
BIBLIOGRAFÍA

Lecturas recomendadas

- Aggarwal, Bhurat, *et al.* *Molecular Targets and Therapeutic Uses of Spices*. Singapore: World Scientific, 2009.
- Bergner, Paul. *Medical Herbalism*, all issues.
- Blumenthal, Mark, *et al.* *The Complete German Commission E Monographs*. Austin, TX: American Botanical Council, 1998.
- Brinker, Francis. *Herb Contraindications and Drug Interactions*. Sandy, OR: Eclectic Publications, 1998.
- Bryan, L. E. *Bacterial Resistance and Susceptibility to Chemotherapeutic Agents*. Cambridge: Cambridge University Press, 1982.
- Buhner, Stephen. *Herbal Antibiotics*, 1st ed. North Adams, MA: Storey Publishing, 1999.
- Cech, Richo. *Making Plant Medicine*. Williams, OR: Horizon Herbs Publication, 2000.
- Duke, James. *The Green Pharmacy*. Emmaus, PA: Rodale, 1998. Ellingwood, Finley. *American Materia Medica, Therapeutics, and Pharmacognosy*. Cincinnati: Eclectic Publications, 1919.
- Farnsworth, Norman. «The Present and Future of Pharmacognosy». American Botanical Council reprint number 209, reprinted from *The American Journal of Pharmaceutical Education* 43 (1979): 239-243. Re: World Health Organization mandate on traditional medicines.
- Felter, Harvey, y John Uri Lloyd. *King's American Dispensatory*. Cincinnati: Eclectic Publications, 1895.
- Fisher, Jeffery. *The Plague Makers*. New York: Simon and Schuster, 1994.
- Fox, Nicols. *Spoiled: The Dangerous Truth about a Food Chain Gone Haywire*. New York: Basic Books, 1998.
- Green, James. *The Herbal MedicineMaker's Handbook*, 4th ed. Forestville, CA: Wildlife and Green, 1990.
- Harborne, Jeffrey, *et al.* *Phytochemical Dictionary: A Handbook of Bioactive Compounds from Plants*, 2.^a ed. London: Taylor and Francis, 1999.
- Hoffman, David. *The Herbal Handbook: A User's Guide to Medical Herbalism*. Rochester, VT: Healing Arts Press, 1988.
- . *Medical Herbalism*. Rochester, VT: Healing Arts Press, 2003.
- . *The New Holistic Herbal*. Rockport, MA: Element, 1992.
- Hson-Mon Chang y Paul Pui-Hay But. *Pharmacology and Applications of Chinese Materia Medica*, 2 vols. Singapore: World Scientific, 2001.
- Jing-Nuan Wu. *An Illustrated Chinese Materia Medica*. New York: Oxford University Press, 2005.
- Khan, Ikhlás, y Ehab Abourashed. *Leung's Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics*. Hoboken, NJ: Wiley, 2010.
- Landis, Robyn, y K. P. Khalsa. *Herbal Defense*. New York: Warner Books, 1997.

- Langenheim, Jean. *Plant Resins: Chemistry, Evolution, Ecology, Ethnobotany*. Portland, OR: Timber Press, 2003.
- Lappé, Marc. *When Antibiotics Fail*. Berkeley, CA: North Atlantic Books, 1986.
- Levy, Stuart. *The Antibiotic Paradox*. New York: Plenum, 1992.
- Lieberman, P. B. *Protecting the Crown Jewels of Medicine: A Strategic Plan to Preserve the Effectiveness of Antibiotics*. Washington, DC: Center for Science in the Public Interest, 1998.
- Mabey, Richard, ed. *The New Age Herbalist*. New York: Simon and Schuster, 1988.
- Manandhar, Narayan. *Plants and People of Nepal*. Portland, OR: Timber Press, 2002.
- Mitsuhashi, S. *Drug Action and Drug Resistance in Bacteria*. Tokyo, University of Tokyo Press, 1971.
- Moerman, Daniel. *Native American Ethnobotany*. Portland, OR: Timber Press, 1998.
- Moore, Michael. *Herbal Materia Medica*. Albuquerque, NM: Southwest School of Botanical Medicine, 1990.
- . *Herbal Repertory in Clinical Practice*. Albuquerque, NM: Southwest School of Botanical Medicine, 1990.
- . *Herbal Tinctures in Clinical Practice*. Albuquerque, NM: Southwest School of Botanical Medicine, 1990.
- . *Medicinal Plants of the Desert and Canyon West*. Sante Fe, NM: Museum of New Mexico Press, 1989.
- . *Medicinal Plants of the Mountain West*. Sante Fe: Museum of New Mexico Press, 1976.
- . *Medicinal Plants of the Pacific Northwest*. Sante Fe, NM: Red Crane Books, 1993.
- Nadkarni, A. K. *Indian Materia Medica*, 2 vols. Bombay: Popular Frakashan, 1927.
- NAPRALERT database of botanicals effective against human pathogenic bacteria as of December 1, 1998.
- Schmidt, Michael, et al. *Beyond Antibiotics*. Berkeley, CA: North Atlantic Books, 1994.
- Science Magazine* 257, no. 5073, American Association for the Advancement of Science, August 21, 1992. Entire volume focuses on antibiotic-resistant bacteria.
- Scott, Timothy Lee. *Invasive Plant Medicine*. Rochester, VT: Healing Arts Press, 2010.
- Shiu-Ying Hu. *An Enumeration of Chinese Materia Medica*. Hong Kong: Chinese University Press, 1980.
- Spellberg, Brad. *Rising Plague*. Amherst, NY: Prometheus Books, 2009.
- Stuart, G. A. *Chinese Materia Medica: Vegetable Kingdom*. Shanghai: American Presbyterian Mission Press, 1911.
- The Protocol Journal of Botanic Medicine*, all issues.
- Tillotson, Alan. *The One Earth Herbal Sourcebook*. New York: Kensington, 2001.
- Van Wyck, Ben-Erik, y Michael Wink. *Medicinal Plants of the World*. Portland, OR: Timber Press, 2004.
- Wax, Richard, et al., eds. *Bacterial Resistance to Antimicrobials*, 2.^a ed. Boca Raton, FL: CRC Press, 2008.
- Weiss, Rudolph. *Herbal Medicine*. Sweden: Beaconsfield, 1988.
- Willcox, Merlin, et al., eds. *Traditional Medicinal Plants and Malaria*. Boca Raton, FL: CRC Press, 2004.
- Williams, J. E. *Viral Immunity*. Charlottesville, VA: Hampton Roads, 2002.
- Winston, David, and Steven Maimes. *Adaptogens*. Rochester, VT: Healing Arts Press, 2007.
- You-Ping Zhu. *Chinese Materia Medica: Chemistry, Pharmacology and Applications*. Amsterdam: Harwood Academic Publishers, 1998.
- Zhang Enqin. *Rare Chinese Materia Medica*. Shanghai: Shanghai University of Traditional Chinese Medicine, 1989.

BIBLIOGRAFÍA

Publicaciones médicas

GENERAL: BACTERIAS RESISTENTES

- Abera, B., *et al.* Antimicrobial susceptibility of *V. cholerae* in north west Ethiopia. *Ethiop Med J* 48, n.º 1 (2010): 23-28.
- Adabi, M. Distribution of class I integron and sulfamethoxazole trimethoprim constin in *Vibrio cholerae* isolated from patients in Iran. *Microb Drug Resist* 15, n.º 3 (2009): 179-84.
- Aeschlimann, Jeffrey R., and the University of Connecticut Health Center Department of Pharmacology (Farmington, Conn.). The role of multidrug efflux pumps in antibiotic resistance: multidrug efflux pump-based resistance in Gram-negative bacteria. *MedScape Today News*. (accessed March 20, 2011).
- Agence France-Presse (AFP). WHO calls for monitoring of new superbug. *PhysOrg.com*, August 20, 2010. news201528869.html.
- Anonymous. Antibiotic resistance. Wikipedia. [resistance](http://en.wikipedia.org/wiki/Antibiotic_resistance) (accessed December 22, 2010).
- Anonymous. Beta-lactamase. Wikipedia. <http://en.wikipedia.org/wiki/Beta-lactamase> (accessed March 14, 2011).
- Anonymous. *Drugresistant salmonella*. World Health Organization fact sheet 139, revised April 2005. [factsheets/fs139/en/](http://www.who.int/factsheets/fs139/en/).
- Anonymous. Drug-resistant «super bug» hits LA county hospitals, nursing homes. *CBS Local Media* (Los Angeles), March 24, 2011. <http://losangeles.cbslocal.com/2011/03/24/drug-resistant-super-bug-hits-la-county-hospitals-nursing-homes/>.
- Anonymous. Experts list dangerous «super bugs.» *TheBostonChannel.com* (WCVBTV), March 1, 2006. <http://www.thebostonchannel.com/r/7586367/detail.html>.
- Anonymous. Extended-spectrum beta-lactamases (ESBLs). UK Health Protection Agency. [http://InfectionsAZ/ESBLs/](http://infections.gov.uk/ESBLs/) (accessed January 24, 2011).
- Anonymous. Facts about antibiotic resistance. *Infectious Diseases Society of America*, revised April 2011. Anonymous. Hospital continues to limit visitors as it fights superbugs. *Ottawa Citizen*, December 21, 2010.
- Anonymous. Hospitals preparing for killer bug. *AsiaOne Health*, December 2, 2010. [A1Story20101202-250352.html](http://www.asiaone.com/Health/20101202-250352.html).
- Anonymous. New deadly superbug Steno an ever-increasing threat. *News-Medical.Net*, May 8, 2008. [news/2008/05/08/38189.aspx](http://www.news-medical.net/2008/05/08/38189.aspx).
- Anonymous. 'The NHS failed my mum' says distraught daughter, *Grantham Journal* (UK), December 14, 2010. [co.uk/community/local_services_2_1767/health-care-services/the_nhs_failed_my_mum_says_distraught_daughter_1_1919865](http://www.granthamjournal.co.uk/community/local_services_2_1767/health-care-services/the_nhs_failed_my_mum_says_distraught_daughter_1_1919865). Associated Press. Update: new drug-resistant super-

- bugs found in 3 states. FoxNews.com, September 14, 2010. health/2010/09/14/update-new-drug-resistant-superbugs-states/.
- Borland, Sophie. Flu crisis hits cancer surgery: Hospitals struggle to cope as deaths rise and Britain teeters on the brink of an epidemic. Mail Online (UK), December 27, 2010. <http://dailymail.co.uk/news/article-1341807/As-deaths-rise-Britain-teeters-brink-epidemic-Flu-crisis-hits-cancer-surgery.html>.
- . 460 flu victims fighting for life as experts admit 24 deaths from swine strain may be only fraction of the true number. Mail Online (UK), December 24, 2010. <http://www.dailymail.co.uk/health/article-1341300/460-flu-victims-fighting-life-experts-admit-24-deaths-swine-strain-fraction-true-number.html>.
- Boseley, Sarah. Are you ready for a world without antibiotics? *The Guardian*, August 11, 2010. [aug/12/the-end-of-antibiotics-health-infections](http://www.guardian.co.uk/health/2010/aug/12/the-end-of-antibiotics-health-infections).
- Caldwell, Emily. Pandemic flu, like seasonal H1N1, shows signs of resisting Tamiflu. Ohio State University Research Communications news release, March 1, 2010. [edu/archives/tamiflu.htm](http://www.osu.edu/archives/tamiflu.htm).
- Campbell, D., and Anushka Asthana. The «catalogue of errors» that cost this father his life. *The Observer*, November 27, 2010. [guardian.co.uk/society/2010/nov/27/nhs-hospitals-dr-foster-report](http://www.guardian.co.uk/society/2010/nov/27/nhs-hospitals-dr-foster-report).
- Chakraborty, S., et al. Concomitant infection of enterotoxigenic *Escherichia coli* in an outbreak of cholera caused by *Vibrio cholerae* O1 and O139 in Ahmedabad, India. *J Clin Microbiol* 39, n.º 9 (2001): 3241-46.
- Chamilos, G., et al. Update on antifungal drug resistance mechanisms of *Aspergillus fumigatus*. *Drug Resist Updates* 8 (2005): 344-58.
- Chander, J., et al. Epidemiology & antibiograms of *Vibrio cholerae* isolates from a tertiary care hospital in Chandigarh, north India. *Indian J Med Res* 129, n.º 5 (2009): 613-17.
- Chandrasekar, P. H. Antifungal resistance in *Aspergillus*. *Med Mycol* 43, suppl. 1 (May 2005): S295-98.
- Dalsgaard, D. A., et al. Is *Vibrio cholerae* serotype O139 a potential cause of a new pandemic? *Ugeskr Laeger* 157, n.º 3 (1995): 280-83.
- Das, S., et al. Trend of antibiotic resistance of *Vibrio cholerae* strains from east Delhi. *Indian J Med Res* 127, n.º 5 (2008): 478-82.
- Dickinson, Boonsri. The fight for life against superbugs. *SmartPlanet Science Scope* (blog), March 24, 2010. [blog/science-scope/the-fight-for-life-against-superbugs/548](http://www.smartplanet.com/blog/science-scope/the-fight-for-life-against-superbugs/548).
- . Five superbug defenses that can keep you from dying in the hospital. *SmartPlanet Science Scope* (blog), December 22, 2010. <http://www.smartplanet.com/blog/science-scope/five-superbug-defenses-that-can-keep-you-from-dying-in-the-hospital/5888>.
- Duke Medicine News and Communications. New superbug surpasses MRSA infection rates in community hospitals. News release, March 22, 2010. [library/news/new_superbug_surpasses_mrsa_infection_rates_in_community_hospitals](http://www.duke.edu/library/news/new_superbug_surpasses_mrsa_infection_rates_in_community_hospitals).
- Engel, Mary. Deadly bacteria defy drugs, alarming doctors. *Los Angeles Times*, February 17, 2009. [scien- ce/sci-badbugs17](http://www.latimes.com/sci/sci-badbugs17).
- Farkosh, Mary S. Extended-spectrum beta-lactamase producing Gram negative bacilli. Johns Hopkins Medicine: Hospital Epidemiology/Infection Control. [http://hopkinsmedicine.org/heic/ID/esbl/](http://www.hopkinsmedicine.org/heic/ID/esbl/) (accessed March 14, 2011).
- Fernández-Delgado, M. *Vibrio cholerae* non-O1, non-O139 associated with seawater and plankton from coastal marine areas of the Caribbean Sea. *Int J Environ Health Res* 19, n.º 4 (2009): 279-89.
- Ferreira, C., et al. *Candida albicans* virulence and drug-resistance requires the O-acyltransferase Gup1p. *BMC Microbiol* 10 (2010): 238-53.
- Garg, P., et al. Expanding multiple antibiotic resistance among clinical strains of *Vibrio cholerae* isolated from 1992-7 in Calcutta, India. *Epidemiol Infect* 124, n.º 3 (2000): 393-99.
- Glass, R. I., et al. Emergence of multiple antibiotic-resistant *Vibrio cholerae* in Bangladesh. *J Infect Dis* 142, n.º 6 (1980): 939-42.
- Goel, A. K., et al. Genetic determinants of virulence, antibiogram and altered biotype among the *Vibrio cholerae* O1 isolates from different cholera outbreaks in India. *Infect Genet Evol* 10, n.º 6 (2010): 815-19.
- Goel, A. K., et al. Molecular characterization of *Vibrio cholerae* outbreak strains with altered El Tor biotype from southern India. *World J Microbiol Biotechnol* 26, n.º 2 (2010): 281-87.

- Hagemann, M., *et al.* The plant-associated bacterium *Stenotrophomonas rhizophila* expresses a new enzyme for the synthesis of the compatible solute glucosylglycerol. *J Bacteriol* 190, n.º 7 (2008): 5898-906.
- Haller, Brad. New superbug genes resist all antibiotics. OzarksFirst.com, December 15, 2010.
- Hennessy-Fiske, Molly. Drug-resistant 'superbug' mostly limited to Southern California nursing homes, health officials say. *L.A. Now* (blog of the *Los Angeles Times*), March 24, 2011. <http://latimesblogs.latimes.com/lanow/2011/03/superbug-in-southern-california.html>.
- Herper, Matthew. The most dangerous bacteria. *Forbes.com*, March 1, 2006. [com/2006/03/01/antibiotics-pfizer-cubist-cx_mh_0301badbugs.html](http://forbes.com/2006/03/01/antibiotics-pfizer-cubist-cx_mh_0301badbugs.html).
- Hicks, L. A., *et al.* *Antimicrobial prescription data reveal wide geographic variability in antimicrobial use in the United States, 2009*. U.S. Centers for Disease Control, National Center for Immunization and Respiratory Diseases, Division of Bacterial Diseases. [imshealth.com/deployedfiles/imshealth/global/content/staticfile/Antimicrobial_Prescription_Data_2009.pdf](http://www.cdc.gov/od/oc/media/pressrels/2010/s011110a.htm) (accessed March 26, 2011).
- Hirche, T. O., *et al.* Myeloperoxidase plays critical roles in killing *Klebsiella pneumoniae* and inactivating neutrophil elastase: effects on host defense. *J Immunol* 174, n.º 3 (2005): 1557-65.
- Hooper, David C. Efflux pumps and nosocomial antibiotic resistance: a primer for hospital epidemiologists. *Healthcare Epidem CID* 40 (2005): 1811-17.
- Huff, E. New drug-resistant bacteria emerging in hospitals. *NaturalNews.com*, March 6, 2010. [bacteria_hospitals.html](http://www.naturalnews.com/030610_bacteria_hospitals.html).
- Hutheasing, Nikhil. Eight deadly superbugs lurking in hospitals. *DailyFinance*, October 17, 2010. [deadly-superbugs-lurking-in-hospitals/](http://www.dailyfinance.com/10/17/2010/eight-deadly-superbugs-lurking-in-hospitals/).
- Johns Hopkins Bloomberg School of Public Health News Center. Flies may spread drug-resistant bacteria from poultry operations. News release, March 16, 2009. http://www.jhsph.edu/publichealthnews/press_releases/2009/graham_flies.html.
- Johnson, J. R., *et al.* *Escherichia coli* sequence type ST131 as the major cause of serious multidrug-resistant *E. coli* infections in the United States. *Clin Infect Dis* 51, n.º 3 (2010): 286-94.
- Keim, Brandon. Antibiotics breed superbugs faster than expected. *Wired Science* (blog), February 11, 2010. [wiredscience/2010/02/mutagen-antibiotics/](http://www.wiredscience.com/2010/02/mutagen-antibiotics/).
- . Obama, farm industry clash over antibiotics. *Wired Science* (blog), July 21, 2009. [com/wiredscience/2009/07/farmantibiotic/](http://www.wiredscience.com/2009/07/farmantibiotic/).
- . Swine flu ancestor born on U.S. factory farms. *Wired Science* (blog), May 1, 2009. [com/wiredscience/2009/05/swineflufarm/](http://www.wiredscience.com/2009/05/swineflufarm/).
- . Swine flu genes from pigs only, not human or birds. *Wired Science* (blog), April 28, 2009. [swinefluupdate/](http://www.wiredscience.com/2009/04/swinefluupdate/).
- Kelland, Kate, and Ben Hirschler. Scientists find new superbug spreading from India. *Reuters*, August 11, 2010. [article/2010/08/11/us-infections-superbug-idUSTRE67A0YU20100811](http://www.reuters.com/article/2010/08/11/us-infections-superbug-idUSTRE67A0YU20100811).
- Khuntia, H. K., *et al.* An Ogawa cholera outbreak 6 months after the Inaba cholera outbreaks in India, 2006. *J Microbiol Immunol Infect* 43, n.º 2 (2010): 133-37.
- Kim, H. B., *et al.* Transferable quinolone resistance in *Vibrio cholerae*. *Antimicrob Agents Chemother* 54, n.º 2 (2010): 799-803.
- Klepser, Michael E. Antifungal resistance among *Candida* species. *Pharmacotherapy* 21, n.º 8, part 2 (2001): 124S-132S.
- Klevens, R. M., *et al.* Invasive methicillin-resistant *Staphylococcus aureus* infections in the United States. *JAMA* 298 (2007): 1763-71.
- Knight, Danielle. US: Over-Use of Antibiotics Threatens Humans. *TWN* (Third World Network), October 11, 2009. [sg/title/overuse-cn.htm](http://www.thirdworldnetwork.org/sg/title/overuse-cn.htm).
- Knorr, R., *et al.* Endocytosis of MHC molecules by distinct membrane rafts. *J Cell Sci* 122, part 10 (2009): 1584-94.
- Koo, Ingrid. Superbugs on the rise. *About.com*, updated November 6, 2008. [http://infectiousdiseases.about.com/od/rarediseases/a/rising_superbug.htm](http://www.about.com/od/rarediseases/a/rising_superbug.htm).
- Kristof, Nicholas D. The spread of superbugs. *Op-ed.*, *New York Times*, March 6, 2010. [nytimes.com/2010/03/07/opinion/07kristof.html](http://www.nytimes.com/2010/03/07/opinion/07kristof.html).

- Kumar, P., *et al.* Characterization of an SXT variant *Vibrio cholerae* O1 Ogawa isolated from a patient in Trivandrum, India. *FEMS Microbiol Lett* 303, n.º 2 (2010): 132-36.
- Laurance, Jeremy. Doctors shocked by spread of swine flu—and its severity. *The Independent*, December 11, 2010. [life-style/health-and-families/health-news/doctors-shocked-by-spread-of-swine-flu-and-its-severity-2157407.html](http://www.independent.co.uk/life-style/health-and-families/health-news/doctors-shocked-by-spread-of-swine-flu-and-its-severity-2157407.html).
- Li, B. S., *et al.* Phenotypic and genotypic characterization *Vibrio cholerae* O139 of clinical and aquatic isolates in China. *Curr Microbiol* 62, n.º 3 (2011): 950-955. E-pub (preprint) November 16, 2010.
- Li-ting, Chen and Liu, Fanny. CDC to list new superbug NDM-1 as communicable disease. Focus Taiwan News Channel, September 7, 2010. [Detail.aspx?ID=201009070016&Type=aLIV](http://www.focus-taiwan.com/Detail.aspx?ID=201009070016&Type=aLIV).
- Lloyd, Robin. Infectious superbug invades beaches. LiveScience, February 13, 2009. [superbugs-mrsa.html](http://www.livescience.com/100000000/superbugs-mrsa.html).
- Long, F., *et al.* Functional cloning and characterization of the multidrug efflux pumps NorM from *Neisseria gonorrhoeae* and YdhE from *Escherichia coli*. *Antimicrob Agents Chemother* 52, n.º 9 (2008): 3052-60.
- Loyola University Health System. Is re-emerging superbug the next MRSA? News release, September 15, 2008. [pub_releases/2008-09/luhs-irs091508.php](http://www.loyola.edu/newsroom/pub_releases/2008-09/luhs-irs091508.php).
- Lutz, B. D., *et al.* Outbreak of invasive aspergillus infection in surgical patients, associated with a contaminated air-handling system. *CID* 37 (2003): 786-87.
- Manga, N. M., *et al.* Cholera in Senegal from 2004 to 2006: lessons learned from successive outbreaks. *Med Trop (Mars)* 68, n.º 6 (2008): 589-92.
- Martin, Daniel. Superbugs on the increase in care homes. Mail Online (UK), July 16, 2007. <http://www.dailymail.co.uk/health/article-384811/Superbugs-increase-care-homes.html>.
- Meng, J., *et al.* Antibiotic resistance of *Escherichia coli* O157:H7 and O157:NM isolated from animals, food and humans. *J Food Prod* 61, n.º 11 (1998): 1511-14.
- Mora, A., *et al.* Antimicrobial resistance of Shiga toxin (verotoxin)-producing *Escherichia coli* O157:H7 and non-O157 strains isolated from humans, cattle, sheep and food in Spain. *Res Microbiol* 156, n.º 7 (2005): 793-806.
- Morse, J. Staph infection—a newly discovered STD? Yahoo! Voices, October 18, 2007. [yahoo.com/staph-infection-newly-discovered-std-604179.html](http://www.yahoo.com/staph-infection-newly-discovered-std-604179.html).
- Neergaard, Luran. «C-diff» superbug on the rise: last-method at fighting intestinal bug. *Huffington Post* (blog), December 13, 2010. [huffingtonpost.com/2010/12/13/cdiff-superbug_n_796156.html](http://www.huffingtonpost.com/2010/12/13/cdiff-superbug_n_796156.html).
- Nikaido, Hiroshi. Multidrug efflux pumps of Gram- negative bacteria. *J Bacteriol* 178, n.º 20 (1996): 5853-59.
- Nygren, E., *et al.* Establishment of an adult mouse model for direct evaluation of the efficacy of vaccines against *Vibrio cholerae*. *Infect Immun* 77, n.º 8 (2009): 3475-84.
- Osamor, V. S. The etiology of malaria scourge: a comparative study of endemic nations of Africa and Asia. *J Biol Sci* 10, n.º 5 (2010): 440-47.
- Paddock, Catharine. Polar bear droppings might help us understand superbugs. Medical News Today, January 15, 2010. <http://www.medicalnewstoday.com/articles/176110.php?nfid=60100>.
- Pal, B. B., *et al.* Epidemics of severe cholera caused by El Tor *Vibrio cholerae* O1 Ogawa possessing the *ctxB* gene of the classical biotype in Orissa, India. *Int J Infect Dis* 14, n.º 5 (2010): e384-89.
- Perrone, Matthew. Congressman pushes FDA on chemical safety review. From the Associated Press, on the ABC News website, December 22, 2010. [wireStory?id=12458030](http://www.abcnews.com/wireStory?id=12458030).
- Powell, W. J. *Molecular mechanisms of antimicrobial resistance*. Technical report #14. Food Safety Network, February 2000. [state.edu/articles/280/molecular_mechanisms_antimic_resist.pdf](http://www.fda.gov/oc/ohrt/280/molecular_mechanisms_antimic_resist.pdf).
- Preidt, Robert. Hospital-acquired infections a serious threat to ICU patients: study. HealthDay News, on the Bloomberg Businessweek website, December 1, 2010. [lifestyle/content/healthday/646702.html](http://www.bloomberg.com/lifestyle/content/healthday/646702.html).
- Qiao, J., *et al.* Antifungal resistance mechanisms of *Aspergillus*. *Jpn J Med Mycol* 49 (2008): 157-63.
- Qureshi, A., *et al.* *Stenotrophomonas maltophilia* in salad. *Emerg Infect Dis* 11, n.º 7 (2005): 1157-58.
- Rahim, N., *et al.* Antibacterial activity of *Psidium guajava* leaf and bark against multidrug-resistant *Vibrio cholerae*: implication for cholera control. *Jpn J Infect Dis* 63, n.º 4 (2010): 271-74.

- Raloff, Janet. Tamiflu in rivers could breed drug-resistant flu strains. *Wired Science* (blog), September 20, 2009. <http://www.wired.com/wiredscience/2009/09/drug-resistant-influenza/>.
- Reig, S., *et al.* Resistance against antimicrobial peptides is independent of *Escherichia coli* AcrAB, *Pseudomonas aeruginosa* MexAB and *Staphylococcus aureus* NorA efflux pumps. *Int J Antimicrob Agents* 33, n.º 2 (2009): 174-76.
- Reuters. New superbug genes sure to spread in the U.S., expert says. FoxNews.com, December 16, 2010. [new-superbug-genes-sure-to-spread-expert-says/](http://www.foxnews.com/story/0,2933,2232871,0000000.html). Roberts, Michelle. Seagulls «may be spreading superbugs.» BBC News, September 20, 2010.
- Rodriguez, C., *et al.* Diversity and antimicrobial susceptibility of oxytetracycline-resistant isolates of *Stenotrophomonas* sp. associated with Costa Rican crops. *J Appl Microbiol* 103, n.º 6 (2007): 2550-60.
- Rosenberg, Martha. 15 dangerous drugs big pharma shoves down our throats. AlterNet, November 19, 2010. [dangerous_drugs_big_pharma_shoves_down_our_throats?page=entire](http://www.alternet.org/story/195114).
- Roy, S., *et al.* Gut colonization by multidrug-resistant and carbapenem-resistant *Acinetobacter baumannii* in neonates. *Eur J Clin Microbiol Infect Dis* 29, n.º 12 (2010): 1495-500.
- Rubenstein, Adam. Colorado attacking IDSA superbug list. *Life Science Deal Flow* (blog), March 6, 2006. [com/2006/03/colorado-attacking-idsa-superbug-list.html](http://www.livescience.com/2006/03/colorado-attacking-idsa-superbug-list.html).
- Ryan, David B. List of drug-resistant bacteria. LiveStrong.com, March 28, 2011. <http://livesstrong.com/article/28797-list-drugresistant-bacteria>.
- Ryan, R. P., *et al.* Interspecies signaling via the *Stenotrophomonas maltophilia* diffusible signal factor influences biofilm formation and polymyxin tolerance in *Pseudomonas aeruginosa*. *Mol Microbiol* 68, n.º 1 (2008): 75-86.
- Sá, L. L., *et al.* Occurrence and composition of class 1 and class 2 integrons in clinical and environmental O1 and non-O1/non-O139 *Vibrio cholerae* strains from the Brazilian Amazon. *Mem Inst Oswaldo Cruz* 105, n.º 2 (2010): 229-32.
- Sakai, Jill. Virus hybridization could create pandemic bird flu. University of Wisconsin- Madison news release, February 22, 2010. [http://](http://www.wisc.edu/newsroom/2010/02/22/01-0301-01122-01.html)
- Savel'ev, V. N., *et al.* Antibacterial susceptibility/resistance of *Vibrio cholerae* eltor clinical strains isolated in the Caucasus during the seventh cholera pandemic. *Antibiot Khimioter* 55, n.º 5-6 (2010): 8-13.
- Saviola, B., *et al.* The genus *Mycobacterium*—medical. *Prokaryotes* 1, part B (2006): 919-33. Schroeder, C. M., *et al.* Antimicrobial resistance of *Escherichia coli* O157 isolated from humans, cattle, swine, and food. *Appl Environ Microbiol* 68, n.º 2 (2002): 576-81.
- Shepherd, Tory. Hygiene hypothesis: let children eat dirt. The Punch (Australia), December 6, 2010. [on-cleanliness/](http://www.punch.com.au/news/local/hygiene-hypothesis-let-children-eat-dirt/2010/12/06/).
- Smith, Jennie. More seasonal flu strains show worrisome dual antiviral resistance. Internal Medicine News Digital Network, December 7, 2010. [com/specialty-focus/women-s-health/single-article-page/more-seasonal-flu-strains-show-worrisome-dual-antiviral-resistance/17f055c464.html](http://www.ama-assn.org/speicalty-focus/women-s-health/single-article-page/more-seasonal-flu-strains-show-worrisome-dual-antiviral-resistance/17f055c464.html).
- Sohn, Emily. Superbug: neither super nor a bug. Discovery News, September 17, 2010. <http://news.discovery.com/human/superbug-bacteria-gene-threat.html>.
- Stein, Rob. New «superbugs» raising concerns worldwide. Website of the *Washington Post*, October 11, 2010. <http://www.washingtonpost.com/wp-dyn/content/article/2010/10/11/AR2010101104518.html>.
- Sternberg, Steve. Drug-resistant «superbugs» hit 35 states, spread worldwide. *USA Today*, September 16, 2010. http://www.usatoday.com/yourlife/health/medical/2010-09-17-1A-superbug17_ST_N.htm.
- Stoler, Steve. Woman who lost 428 lbs. faces new health battle. WFAA TV, on the website azfamily.com, December 1, 2010. <http://www.azfamily.com/news/Woman-who-lost-428-lbs-faces-new-health-battle-111159229.html>. Trafton, Anne. Mutation identified that might allow H1N1 to spread more easily. PhysOrg.com, March 9, 2011. [03-mutation-h1n1-easily.html](http://phys.org/news/2011/03-mutation-h1n1-easily.html).
- Tristram, S., *et al.* Antimicrobial resistance in *Hamophilus influenzae*. *Clin Microbiol Rev* 20, n.º 2 (2007): 368-89.
- United Press International (UPI). Report: superbugs killed record number. UPI.com, May 23, 2008. [News/2008/05/23/Report-Superbugs-killed-record-number/UPI-57821211586105/](http://www.upi.com/News/2008/05/23/Report-Superbugs-killed-record-number/UPI-57821211586105/).
- University of Texas Southwestern Medical Center. «Superbug» breast infections controllable in nursing

- mothers, UT Southwestern researchers find. News release, September 3, 2008. <http://releases/year-2008/superbug-breast-infections-controllable-in-nursing-mothers-researchers-find.html>.
- Vanderbilt University Medical Center. Staph bacteria: blood-sucking superbug prefers taste of humans. News release, December 15, 2010. releases/2010-12/vumc-bsp121310.php. Veselova, M., *et al.* Production of N-acylhomoserine lactone signal molecules by Gram-negative soil-borne and plant-associated bacteria. *Folia Microbiol* 48, n.º 6 (2003): 794-98. Wagner, H. Multitarget therapy—the future of treatment for more than just functional dyspepsia. *Phytomedicine* 13, suppl. 5 (2006): 122-29.
- White, Sarah V. The empowered patient. Medill Reports, from the Medill School at Northwestern University, December 8, 2010. medill.northwestern.edu/chicago/news.aspx?id=175221.
- Xu, X. J., *et al.* Molecular cloning and characterization of the HmrM multidrug efflux pump from *Haemophilus influenzae* Rd. *Microbiol Immunol* 47, n.º 12 (2003): 937-43.
- Yang, J. S., *et al.* A duplex vibriocidal assay to simultaneously measure bactericidal antibody titers against *Vibrio cholerae* O1 Inaba and Ogawa serotypes. *J Microbiol Methods* 79, n.º 3 (2009): 289-94.
- Yee, D. Gonorrhoea joins «superbugs» list. IOL (Independent Online, South Africa) SciTech, April 13, 2010. technology/gonorrhoea-joins-superbugs-list-1.322949.
- Zhang, C., *et al.* Redox signaling via lipid raft clustering in homocysteine-induced injury of podocytes. *Biochim Biophys Acta* 1803, n.º 4 (2010): 482-91.

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- Abeyasinghe, P. D. Antibacterial activity of some medicinal mangroves against antibiotic resistant pathogenic bacteria. *Indian J Pharm Sci* 72, n.º 2 (2010): 167-72.
- Abo-Khatwa, A. N., *et al.* Lichen acids as uncouplers of oxidative phosphorylation of mouse-liver mitochondria. *Nat Toxins* 4, n.º 2 (1996): 96-102.
- Addy, Marian E. Western Africa Network of Natural Products Research Scientists (WANNPRES), First Scientific Meeting August 15-20, 2004. Accra, Ghana: A Report. Conference report published in *Afr J Tradit Complement Altern Med* 2, n.º 2 (2005): 177-205.
- Anonymous. Africa: turning to traditional medicines in fight against malaria. IRIN (news service of the U.N. Office for the Coordination of Humanitarian Affairs), November 4, 2009. [asp?ReportID=86866](http://www.irinnews.org/ReportID/86866).
- Anonymous. *Report of the International Conference on Traditional Medicine in HIV/AIDS and Malaria* (December 5-7, 2000, Nicon Hilton Hotel, Abuja, Nigeria). International Centre for Ethnomedicine and Drug Development and the Bioresources Development and Conservation Programme, 2000. [downloads/bdcp-interceddconf.pdf](http://www.biodiversity.org/bdcp-interceddconf.pdf).
- Arias, M. E., *et al.* Antibacterial activity of ethanolic and aqueous extracts of *Acacia aroma* Gill. ex Hook et Arn. *Life Sci* 75, n.º 2 (2004): 191-202.
- Ba korová M., *et al.* Variable responses of different human cancer cells to the lichen compounds parietin, atranorin, usnic acid and gyrophoric acid. *Toxicol In Vitro* 25, n.º 1 (2011): 37-44. E-pub (preprint) September 17, 2010.
- Batista, R., *et al.* Plant-derived antimalarial agents: new leads and efficient phytomedicines. Part II. Non-alkaloidal natural products. *Molecules* 14 (2009): 3037-72.
- Bayir, Y., *et al.* The inhibition of gastric mucosal lesion, oxidative stress and neutrophil- infiltration in rats by the lichen constituent diffractaic acid. *Phytomedicine* 13, n.º 8 (2006): 584-90.
- Bazin, M. A., *et al.* Synthesis and cytotoxic activities of usnic acid derivatives. *Bioorg Med Chem* 16, n.º 14 (2008): 6860-66.
- Behera, B. C., *et al.* Antioxidant and antibacterial activities of lichen *Usnea ghattensis* in vitro. *Biotechnol Lett* 27, n.º 14 (2005): 991-95.
- Behera, B. C., *et al.* Antioxidant and antibacterial properties of some cultured lichens. *Bioresour Technol* 99, n.º 4 (2008): 776-84.
- Behera, B. C., *et al.* Evaluation of antioxidant potential of the cultured mycobiont of a lichen *Usnea ghattensis*. *Phytother Res* 19, n.º 1 (2005): 58-64.

- Behera, B. C., *et al.* Tissue culture of some lichens and screening of their antioxidant, antityrosinase and antibacterial properties. *Phytother Res* 21, n.º 12 (2007): 1159-70.
- Belofsky, G., *et al.* Metabolites of the «smoke tree», *Dalea spinosa*, potentiate antibiotic activity against multi-drug-resistant *Staphylococcus aureus*. *J Nat Prod* 69, n.º 2 (2006): 261-64.
- Belofsky, G., *et al.* Phenolic metabolites of *Dalea versicolor* that enhance antibiotic activity against model pathogenic bacteria. *J Nat Prod* 67, n.º 3 (2004): 481-84.
- Bian, X., *et al.* Study on the scavenging action of polysaccharide of *Usnea longissima* to oxygen radical and its anti-lipi peroxidation effects. *Zhong Yao Cai* 25, n.º 3 (2002): 188-89.
- Boehm, F. Lichens—photophysical studies of potential new sunscreens. *J Photochem Photobiol B* 95, n.º 1 (2009): 40-45.
- Brijesh, S., *et al.* Studies on *Pongamia pinnata* (L.) Pierre leaves: understanding the mechanism(s) of action in infectious diarrhea. *J Zhejiang Univ Sci B* 7, n.º 8 (2006): 665-74.
- Brijesh, S., *et al.* Studies on the antidiarrhoeal activity of *Aegle marmelos* unripe fruit: validating its traditional usage. *BMC Complement Altern Med* 9 (2009): 47.
- Burlando, B., *et al.* Antiproliferative effects on tumour cells and promotion of keratinocyte wound healing by different lichen compounds. *Planta Med* 75, n.º 6 (2009): 607-13.
- Burt, S. Essential oils: their antibacterial properties and potential applications in food—a review. *Int J Food Microbiol* 94, n.º 3 (2004): 223-53.
- Campanella, L., *et al.* Molecular characterization and action of usnic acid: a drug that inhibits proliferation of mouse polyomavirus in vitro and whose main target is RNA transcription. *Biochimie* 84, n.º 4 (2002): 329-34.
- Cansaran, D., *et al.* Identification and quantitation of usnic acid from the lichen *Usnea* species of Anatolia and antimicrobial activity. *Z Naturforsch C* 61, n.º 11-12 (2006): 773-76.
- Cermelli, C., *et al.* Effect of eucalyptus essential oil on respiratory bacteria and viruses. *Curr Microbiol* 56, n.º 1 (2008): 89-92.
- Cheng, Y. B., *et al.* Oral acute toxicity of (+)-usnic acid in mice and its cytotoxicity in rat cardiac fibroblasts. *Nan Fang Yi Ke Da Xue Xue Bao* 29, n.º 8 (2009): 1749-51.
- Chérigo, L., *et al.* Bacterial resistance modifying tetrasaccharide agents from *Ipomoea murucoides*. *Phytochemistry* 70, n.º 2 (2009): 222-27.
- Chérigo, L., *et al.* Inhibitors of bacterial multidrug efflux pumps from the resin glycosides of *Ipomoea murucoides*. *J Nat Prod* 71, n.º 6 (2008): 1037-45.
- Chérigo, L., *et al.* Resin glycosides from the flowers of *Ipomoea murucoides*. *J Nat Prod* 69, n.º 4 (2006): 595-99.
- Cheruiyot, K. R., *et al.* In-vitro antibacterial activity of selected medicinal plants from Longisa region of Bomet district, Kenya. *Afr Health Sci* 9, suppl. 1 (2009): S42-46.
- Choudhary, M. I., *et al.* Bioactive phenolic compounds from a medicinal lichen, *Usnea longissima*. *Phytochemistry* 66, n.º 19 (2005): 2346-50.
- Cloutier, M. M., *et al.* Tannin inhibits adenylate cyclase in airway epithelial cells. *Am J Physiol* 268, n.º 5, part 1 (1995): L851-55.
- Crutchley, R. D., *et al.* Crofelemer, a novel agent for treatment of secretory diarrhea. *Ann Pharmacother* 44, n.º 5 (2010): 878-84.
- Da Silva, S. N. P. Nanoencapsulation of usnic acid: an attempt to improve antitumor activity and reduce hepatotoxicity. *Eur J Pharm Biopharm* 64, n.º 2 (2006): 154-60.
- DalBó, S., *et al.* Activation of endothelial nitric oxide synthase by proanthocyanidin-rich fraction from *Croton celtidifolius* (Euphorbiaceae): involvement of extracellular calcium influx in rat thoracic aorta. *J Pharmacol Sci* 107, n.º 2 (2008): 181-89.
- De Carvalho, E. A., *et al.* Effect of usnic acid from the lichen *Cladonia substellata* on *Trypanosoma cruzi* in vitro: an ultrastructural study. *Micron* 36, n.º 2 (2005): 155-61.
- Dharmananda, Subhuti. Safety issues affecting herbs. *Usnea*: an herb used in Western and Chinese medicine. Institute for Traditional Medicine (Portland, Ore.), December 2003.
- Dobrescu, D. Contributions to the complex study of some lichens-*Usnea* genus. Pharmacological studies on *Usnea barbata* and *Usnea hirta* species. *Rom J Physiol* 30, n.º 1-2 (1993): 101-7.

- Dugour, M., et al. Development of a method to quantify in vitro the synergistic activity of «natural» antimicrobials. *Int J Food Microbiol* 85, n.º 3 (2003): 249-58.
- Durazo, F. A., et al. Fulminant liver failure due to usnic acid for weight loss. *Am J Gastroenterol* 99, n.º 5 (2004): 950-52.
- Einarsdóttir, E., et al. Cellular mechanisms of the anticancer effects of the lichen compound usnic acid. *Planta Med* 76, n.º 10 (2010): 969-74.
- Engel, K., et al. *Usnea barbata* extract prevents ultraviolet-B induced prostaglandin E2 synthesis and COX-2 expression in HaCaT keratinocytes. *J Photochem Photobiol* 89, n.º 1 (2007): 9-14.
- Faustova, N. M., et al. Antibacterial activity of aspen bark extracts against some pneumotropic microorganisms. *Zh Mikrobiol Epidemiol Immunobiol* 3 (2006): 3-7.
- Feng, J., et al. New dibenzofuran and anthraquinone from *Usnea longissima*. *Zhongguo Zhong Yao Za Zhi* 34, n.º 7 (2009): 852-53.
- Feng, J., et al. Studies on chemical constituents from herbs of *Usnea longissima*. *Zhongguo Zhong Yao Za Zhi* 34, n.º 6 (2009): 708-11.
- Fisher, K., et al. The effect of lemon, orange and bergamot essential oils and their components on the survival of *Campylobacter jejuni*, *Escherichia coli* O157, *Listeria monocytogenes*, *Bacillus cereus* and *Staphylococcus aureus* in vitro and in food systems. *J Appl Microbiol* 101, n.º 6 (2006): 1232-40.
- Foti, R. S., et al. Metabolism and related human risk factors for hepatic damage by usnic acid containing nutritional supplements. *Xenobiotica* 38, n.º 3 (2008): 264-80.
- Francolini, I., et al. Usnic acid, a natural antimicrobial agent able to inhibit bacterial biofilm formation on polymer surfaces. *Antimicrob Agents Chemother* 48, n.º 11 (2004): 4360-65.
- Frankos, V. H. *NTP nomination for usnic acid and Usnea barbata herb*. U.S. Food and Drug Administration Division of Dietary Supplement Programs, January 2005. gov/ntp/htdocs/Chem_Background/Ex-SumPdf/UsnicAcid.pdf.
- Frederich, M., et al. Potential antimalarial activity of indole alkaloids. *Trans Royal Soc Trop Med Hyg* 102 (2008): 11-19.
- Gangoué-Piéboji, J., et al. The in-vitro antimicrobial activity of some medicinal plants against beta-lactam-resistant bacteria. *J Infect Dev Ctries* 3, n.º 9 (2009): 671-80.
- Gauslaa, Y., et al. Size-dependent growth of two old-growth associated macrolichen species. *New Phytol* 181, n.º 3 (2009): 683-92. Gibbons, S. Phytochemicals for bacterial resistance—strengths, weaknesses and opportunities. *Planta Med* 74, n.º 6 (2008): 594-602.
- Gonçalves, F. A., et al. Antibacterial activity of guava, *Psidium guajava* Linnaeus, leaf extracts on diarrhea-causing enteric bacteria isolated from Seabob shrimp, *Xiphopenaeus kroyeri* (Heller). *Rev Inst Med Trop Sao Paulo* 50, n.º 1 (2008): 11-15.
- Graz, B., et al. *Argemone mexicana* decoction versus artesunate-amodiaquine for the management of malaria in Mali: policy and public-health implications. *Trans R Soc Trop Med Hyg* 104, n.º 1 (2010): 33-41.
- Guevara, J. M., et al. The in vitro action of plants on *Vibrio cholerae*. *Rev Gastroenterol Peru* 14, n.º 1 (1994): 27-31.
- Guo, L., et al. Review of usnic acid and *Usnea barbata* toxicity. *J Environ Sci Health C Environ Carcinog Ecotoxicol Rev* 26, n.º 4 (2008): 317-38.
- Halici, M., et al. Effects of water extract of *Usnea longissima* on antioxidant enzyme activity and mucosal damage caused by indomethacin in rats. *Phytomedicine* 12, n.º 9 (2005): 656-62.
- Han, D., et al. Usnic acid-induced necrosis of cultured mouse hepatocytes: inhibition of mitochondrial function and oxidative stress. *Biochem Pharmacol* 67, n.º 3 (2004): 439-51.
- He, X., et al. Anti-mutagenic lichen extract has double-edged effect on azoxymethane-induced colorectal oncogenesis in C57BL/6J mice. *Toxicol Mech Methods* 20, n.º 1 (2010): 31-35.
- Honda, N. K., et al. Antimycobacterial activity of lichen substances. *Phytomedicine* 17, n.º 5 (2010): 328-32.
- Hör, M., et al. Inhibition of intestinal chloride secretion by proanthocyanidins from *Guazuma ulmifolia*. *Planta Med* 61, n.º 3 (1995): 208-12.
- Hsu, L. M., et al. «Fat burner» herb, usnic acid, induced acute hepatitis in a family. *J Gastroenterol*

- Hepatol* 20, n.º 7 (2005): 1138-39. Ji, X. Quantitative determination of usnic acid in *Usnea* lichen and its products by reversed-phase liquid chromatography with photodiode array detector. *J AOAC* 88, n.º 5 (2005): 1256-58.
- Jin, J. Q., *et al.* Down-regulatory effect of usnic acid on nuclear factor-kappaB-dependent tumor necrosis factor-alpha and inducible nitric oxide synthase expression in lipopolysaccharide- stimulated macrophages. *Phytother Res* 22, n.º 12 (2008): 1605-9.
- Jin, J., *et al.* The study on skin wound healing promoting action of sodium usnic acid. *Zhong Yao Cai* 28, n.º 2 (2005): 109-11.
- Kathirgamanathar, S., *et al.* Beta-orcinol depsidones from the lichen *Usnea* sp. from Sri Lanka. *Nat Prod Res* 19, n.º 7 (2005): 695-701.
- Kaur, K., *et al.* Antimalarials from nature. *Bioorg Med Chem* 17, n.º 9 (2009): 3229-56. Knight, K. P., *et al.* Influence of cinnamon and clove essential oil on the D- and z-values of *Escherichia coli* O157:H7 in apple cider. *J Food Prod* 70, n.º 9 (2007): 2089-94.
- Koparal, A. T., *et al.* In vitro cytotoxic activities of (+)-usnic acid and (-)-usnic acid on V79, A549, and human lymphocyte cells and their non- genotoxicity on human lymphocytes. *Nat Prod Res* 20, n.º 14 (2006): 1300-1307.
- Kristinsson, K. G., *et al.* Effective treatment of experimental acute otitis media by application of volatile fluids into the ear canal. *J Infect Dis* 191, n.º 11 (2005): 1876-80.
- Lee, J. A., *et al.* Effect of (+)-usnic acid on mitochondrial functions as measured by mitochondria-specific oligonucleotide microarray in liver of B6CF1 mice. *Mitochondrion* 9, n.º 2 (2009): 149-58.
- Lee, K. A., *et al.* Antiplatelet and antithrombotic activities of methanol extract of *Usnea longissima*. *Phytother Res* 19, n.º 12 (2005): 1061-64.
- Léon, I., *et al.* Pentasaccharide glycosides from the roots of *Ipomoea murucoides*. *J Nat Prod* 68, n.º 8 (2005): 1141-46.
- Leonard, D. B. Medicine at your feet: plants and food: *Usnea* spp. On the website of Medicine at Your Feet, produced by David Bruce Leonard, L.Ac. html (accessed January 21, 2011).
- Lewis, K. In search of natural substrates and inhibitors of MDR pumps. *J Mol Microbiol Biotechnol* 3, n.º 2 (2001): 247-54.
- Lohézic, Le, D. F., *et al.* Stictic acid derivatives from the lichen *Usnea articulata* and their antioxidant activities. *J Nat Prod* 70, n.º 7 (2007): 1218-20.
- Lounasmaa, M., *et al.* Simple indole alkaloids and those with a nonrearranged monoterpenoid unit. *Nat Prod Rep* 17 (2000): 175-91.
- Madamombe, I. T., *et al.* Evaluation of antimicrobial activity of extracts from South African *Usnea barbata*. *Pharm Bio* 41, n.º 3 (2003): 199-202. Marcano, V., *et al.* Occurrence of usnic acid in *Usnea laevis* Nylander (lichenized ascomycetes) from the Venezuelan Andes. *J Ethnopharmacol* 66, n.º 3 (1999): 343-46.
- Mathabe, M. C., *et al.* Antibacterial activities of medicinal plants used for the treatment of diarrhoea in Limpopo Province, South Africa. *J Ethnopharmacol* 105, n.º 1-2 (2006): 286-93. Mayer, M., *et al.* Usnic acid: a non-genotoxic compound with anti-cancer properties. *Anticancer Drugs* 16, n.º 8 (2005): 805-9. Morinaga, N., *et al.* Differential activities of plant polyphenols on the binding and internalization of cholera toxin in vero cells. *J Biol Chem* 280, n.º 24 (2005): 23303-9.
- Muñoz-Ochoa, M., *et al.* Screening of extracts of algae from Baja California sur, Mexico as reversers of the antibiotic resistance of some pathogenic bacteria. *Eur Rev Med Pharmacol Sci* 14, n.º 9 (2010): 739-47.
- Nagy, Maria M. Quorum sensing inhibitory activities of various folk-medicinal plants and the thymetetracycline effect. PhD diss., Georgia State University, December 14, 2010. http://digitalarchive.gsu.edu/biology_diss/90.
- Neff, G. W., *et al.* Severe hepatotoxicity associated with the use of weight loss diet supplements containing ma huang or usnic acid. *J Hepatol* 41, n.º 6 (2004): 1062-64.
- Nishikawa, Y., *et al.* Studies on the water soluble constituents of lichens. II. Antitumor polysaccharides of *Lasallia*, *Usnea*, and *Cladonia* species. *Chem Pharm Bull* (Tokyo) 22, n.º 11 (1974): 2692-702.
- Nybakken, L., *et al.* Forest successional stage affects the cortical secondary chemistry of three old forest lichens. *J Chem Ecol* 33, n.º 8 (2007): 1607-18.

- O'Neill, M. A., *et al.* Does usnic acid affect microtubules in human cancer cells? *Braz J Biol* 70, n.º 3 (2010): 659-64.
- Odabasoglu, F., *et al.* Comparison of antioxidant activity and phenolic content of three lichen species. *Phytother Res* 18, n.º 11 (2004): 938-41.
- Odabasoglu, F., *et al.* Gastroprotective and antioxidant effects of usnic acid on indomethacin-induced gastric ulcer in rats. *J Ethnopharmacol* 103, n.º 1 (2006): 59-65.
- Ofuji, K., *et al.* Effects of an antiarrhoeica containing an extract from geranium herb on astringent action and short-circuit current across jejunal mucosa. *Nippon Yakurigaku Zasshi* 111, n.º 4 (1998): 265-75.
- Oi, H., *et al.* Identification in traditional herbal medications and confirmation by synthesis of factors that inhibit cholera toxin-induced fluid accumulation. *Proc Natl Acad Sci USA* 99, n.º 5 (2002): 3042-46.
- Okuyama, E., *et al.* Usnic acid and diffracta acid as analgesic and antipyretic components of *Usnea diffracta*. *Planta Med* 61, n.º 2 (1995): 113-15.
- Oliveira, A. B., *et al.* Plant-derived antimalarial agents: new leads and efficient phytomedicines. *An Acad Bras Cienc* 81, n.º 4 (2009): 716-40.
- Ordoñez, A. A., *et al.* Design and quality control of pharmaceutical formulation containing natural products with antibacterial, antifungal and antioxidant properties. *Int J Pharm* 378, n.º 1-2 (2009): 51-58.
- Otniukova, T. N., *et al.* Lichens on branches of Siberian fir (*Abies sibirica* Ladeb) as indicators of atmospheric pollution in forests. *Izv Akad Nauk Ser Biol* 4 (2008): 479-90.
- Oussalah, M., *et al.* Mechanism of action of Spanish oregano, Chinese cinnamon, and savory essential oils against cell membranes and walls of *Escherichia coli* O157:H7 and *Listeria monocytogenes*. *J Food Prod* 69, n.º 5 (2006): 1046-55.
- Palaniappan, K., *et al.* Use of natural antimicrobials to increase antibiotic susceptibility of drug resistant bacteria. *Int J Food Microbiol* 140, n.º 2-3 (2010): 164-68.
- Paranagama, P. A., *et al.* Heptaketides from *Corynespora* sp. inhabiting the cavern beard lichen, *Usnea cavernosa*: first report of metabolites of an endolichenic fungus. *J Nat Prod* 70, n.º 11 (2007): 1700-1705.
- Pereda-Miranda, R., *et al.* Polyacylated oligosaccharides from medicinal Mexican morning glory species as antibacterials and inhibitors of multidrug resistance in *Staphylococcus aureus*. *J Nat Prod* 69, n.º 3 (2006): 406-9.
- Periera, E. C., *et al.* Analysis of *Usnea fasciata* crude extracts with antineoplastic activity. *Tokai J Exp Clin Med* 19, n.º 1-2 (1994): 47-52.
- Plouzek, C. A., *et al.* Inhibition of P-glycoprotein activity and reversal of multidrug resistance in vitro by rosemary extract. *Eur J Cancer* 35, n.º 10 (1999): 1541-45.
- Pramyothin, P., *et al.* Hepatotoxic effect of (+) usnic acid from *Usnea siamensis* Wainio in rats, isolated rat hepatocytes and isolated rat liver mitochondria. *J Ethnopharmacol* 90, n.º 2-3 (2004): 381-87.
- Preuss, H. G., *et al.* Minimum inhibitory concentrations of herbal essential oils and monolaurin for Gram-positive and Gram-negative bacteria. *Mol Cell Biochem* 272, n.º 1-2 (2005): 29-34.
- Rahim, N., *et al.* Antibacterial activity of *Psidium guajava* leaf and bark against multidrug-resistant *Vibrio cholerae*: implication for cholera control. *Jpn J Infect Dis* 63, n.º 4 (2010): 271-74.
- Rezanka, T., *et al.* Hirtusneanoside, an unsymmetrical dimeric tetrahydroxanthone from the lichen *Usnea hirta*. *J Nat Prod* 70, n.º 9 (2007): 1487-91.
- Ribeiro-Costa, R. M., *et al.* In vitro and in vivo properties of usnic acid encapsulated into PLGA-microspheres. *J Microencapsul* 21, n.º 4 (2004): 371-84.
- Rukayadi, Y., *et al.* Screening of Thai medicinal plants for anticandidal activity. *Mycoses* 51, n.º 4 (2008): 308-12.
- Saenz, M. T., *et al.* Antimicrobial activity and phytochemical studies of some lichens from south of Spain. *Fitoterapia* 77, n.º 3 (2006): 156-59.
- Safak, B., *et al.* In vitro anti-*Helicobacter pylori* activity of usnic acid. *Phytother Res* 23, n.º 7 (2009): 955-57.

- Salari, M. H., *et al.* Antibacterial effects of *Eucalyptus globulus* leaf extract on pathological bacteria isolated from specimens of patients with respiratory tract disorders. *Clin Microbiol Infect* 12, n.º 2 (2006): 194-96.
- Sánchez, E., *et al.* Extracts of edible and medicinal plants damage membranes of *Vibrio cholerae*. *Appl Environ Microbiol* 76, n.º 20 (2010): 6888-94.
- Sanchez, W., *et al.* Severe hepatotoxicity associated with use of a dietary supplement containing usnic acid. *Mayo Clin Proc* 81, n.º 4 (2006): 541-44.
- Santiesteban-López, A., *et al.* Susceptibility of food-borne bacteria to binary combinations of antimicrobials at selected a(w) and pH. *J Appl Microbiol* 102, n.º 2 (2007): 486-97.
- Sarac, N., *et al.* Antimicrobial activities of the essential oils of *Origanum onites* L., *Origanum vulgare* L. subspecies *hirtum* (Link) Ietswaart, *Satureja thymbra* L., and *Thymus gilicicus* Boiss. & Bal. growing wild in Turkey. *J Med Food* 11, n.º 3 (2008): 568-73.
- Saxena, S., *et al.* Antimalarial agents from plant sources. *Current Science* 85, n.º 9 (2003): 1314-29.
- Schmeda-Hirschmann, G., *et al.* A new antifungal and antiprotozoal depside from the Andean lichen *Protousnea poeppigii*. *Phytother Res* 22, n.º 3 (2008): 349-55.
- Sharma, A., *et al.* Antibacterial activity of medicinal plants against pathogens causing complicated urinary tract infections. *Indian J Pharm Sci* 71, n.º 2 (2009): 136-39.
- Sharma, A., *et al.* Vibriocidal activity of certain medicinal plants used in Indian folklore medicine by tribals of Mahakoshal region of central India. *Indian J Pharmacol* 41, n.º 3 (2009): 129-33.
- Spelman, K., *et al.* Modulation of cytokine expression by traditional medicines: a review of herbal immunomodulators. *Altern Med Rev* 11, n.º 2 (2006): 128-50.
- Stavri, M., *et al.* Bacterial efflux pump inhibitors from natural sources. *J Antimicrob Chemother* 59, n.º 6 (2007): 1247-60. Stermitz, F. R., *et al.* Polyacylated neohesperidosides from *Geranium caespitosum*: bacterial multidrug resistance pump inhibitors. *Bioorg Med Chem Lett* 13, n.º 11 (2003): 1915-18.
- Tay, T., *et al.* Evaluation of the antimicrobial activity of the acetone extract of the lichen *Ramalina farinacea* and its (+)-usnic acid, norstictic acid, and protocetraric acid constituents. *Z Naturforsch C* 59, n.º 5-6 (2004): 384-88.
- Tegos, G., *et al.* Multidrug pump inhibitors uncover remarkable activity of plant antimicrobials. *Antimicrob Agents Chemother* 46, n.º 10 (2002): 3133-41.
- Thakurta, P., *et al.* Antibacterial, antisecretory and antihemorrhagic activity of *Azadirachta indica* used to treat cholera and diarrhea in India. *J Ethnopharmacol* 111, n.º 3 (2007): 607-12. Velázquez, C., *et al.* Antisecretory activity of plants used to treat gastrointestinal disorders in Mexico. *J Ethnopharmacol* 103, n.º 1 (2006): 66-70.
- Vijayakumar, C. S., *et al.* Anti-inflammatory activity of (+)-usnic acid. *Fitoterapia* 71, n.º 5 (2000): 564-66.
- Voravuthikunchai, S. P., *et al.* Medicinal plant extracts as anti-*Escherichia coli* O157:H7 agents and their effects on bacterial cell aggregation. *J Food Prot* 69, n.º 10 (2006): 2336-41.
- Willcox, M. L., *et al.* Traditional herbal medicines for malaria. *BMJ* 329 (2004): 1156-59.
- Wongsamitkul, N., *et al.* A plant-derived hydrolysable tannin inhibits CFTR chloride channel: a potential treatment of diarrhea. *Pharm Res* 27, n.º 3 (2010): 490-97.
- Yoshino, N., *et al.* Co-administration of cholera toxin and apple polyphenol extracts as a novel and safe mucosal adjuvant strategy. *Vaccine* 27, n.º 35 (2009): 4808-17.
- Zampini, I. C., *et al.* Antibacterial activity of *Zuccagnia* Cav. ethanolic extracts. *J Ethnopharmacol* 102, n.º 3 (2005): 450-56.

ALCORNEA

- Abo, K. A., *et al.* Antimicrobial screening of *Bridelia micrantha*, *Alchornea cordifolia* and *Boerhavia diffusa*. *Afr J Med Med Sci* 28, n.º 3-4 (1999): 167-69.
- Adedapo, A. A., *et al.* Effects of some plants of the spurge family on haematological and biochemical parameters in rats. *Vet Arhiv* 77, n.º 1 (2007): 29-38.
- Adeshina, G. O., *et al.* Pharmacognostic studies of the leaf of *Alchornea cordifolia* (Euphorbiaceae) found in Abuja. *Nigerian J Pharma Sci* 7, n.º 1 (2008): 29-35.

- Adeshina, G. O., *et al.* Phytochemical and antimicrobial studies of the ethyl acetate extract of *Alchornea cordifolia* leaf found in Abuja, Nigeria. *J Med Plants Res* 4, n.º 8 (2010): 649-58.
- Adewunmi, C. O., *et al.* Ethno-veterinary medicine: screenings of Nigerian medicinal plants for trypanocidal properties. *J Ethnopharmacol* 77, n.º 1 (2001): 19-24.
- Agbor, G. A., *et al.* Medicinal plants can be good source of antioxidants: case study in Cameroon. *Pakistan J Biol Sci* 10, n.º 4 (2007): 537-44.
- Agbor, K., *et al.* The anti diarrhoeal activity of *Alchornea cordifolia* leaf extract, *Phytother Res* 18, n.º 11 (2004): 873-76.
- Akoachere, J. F., *et al.* Antibacterial effect of *Zingiber officinale* and *Garcinia kola* on respiratory tract pathogens. *East Afr Med J* 79, n.º 11 (2002): 588-92.
- Al-Waili, N. S. Investigating the antimicrobial activity of natural honey and its effects on the pathogenic bacterial infections of surgical wounds and conjunctiva. *J Med Fosod* 7, n.º 2 (2004): 210-22.
- Anonymous. Agriculture ministry asked to review «hazardous» herb listing. MCOT.net (Thailand), February 18, 2009. php?id=8668.
- Anonymous. Falciparum malaria: New findings from University of Antwerp in the area of falciparum malaria published. *Malaria Weekly*, April 28, 2008. newsletters/Malaria-Weekly/2008-04-28/26042820083MW.html.
- Ayisi, N. K., *et al.* Comparative in vitro effects of AZT and extracts of *Ocimum gratissimum*, *Ficus polita*, *Clausena anistata*, *Alchornea cordifolia*, and *Elaeophorbium drupifera* against HIV-1 and HIV-2 infections. *Antiviral Res* 58, n.º 1 (2003): 25-33.
- Banzouzi, J. T., *et al.* In vitro antiplasmodial activity of extracts of *Alchornea cordifolia* and identification of an active constituent: ellagic acid. *J Ethnopharmacol* 81, n.º 3 (2002): 399-401.
- Bayor, M. T., *et al.* *Alchornea cordifolia* (Euphorbiaceae), the major constituent of antiasthmatic herbal formulations. *J Ghana Sci Assoc* 10, n.º 2 (2008): 1.
- Bum, E. N., *et al.* Validation of anticonvulsant and sedative activity of six medicinal plants. *Epilepsy Behav* 14, n.º 3 (2009): 454-58.
- Ebi, G. C. Antimicrobial activities of *Alchornea cordifolia*. *Filoterapia* 72, n.º 1 (2001): 69-72.
- Eliakim-Ikechukwu, C. F., *et al.* Histological changes in the pancreas following administration of ethanolic extract of *Alchornea cordifolia* leaf in alloxan-induced diabetic wistar rats. *Niger J Physiol Sci* 24, n.º 2 (2009): 153-55.
- Eliakim-Ikechukwu, C. F., *et al.* The effect of aqueous ethanolic extract of *Alchornea cordifolia* leaf on the histology of the aorta of Wistar rats. *Niger J Physiol Sci* 24, n.º 2 (2009): 149-51.
- Farombi, E. O. African indigenous plants with chemotherapeutic potentials and biotechnology approach to the production of bioactive prophylactic agents. *Afr J Biotechnol* 2, n.º 12 (2003): 662-71.
- Farombi, E. O., *et al.* Antioxidant properties of extracts from *Alchornea laxiflora* (Benth) Pax and Hoffmann. *Phytother Res* 17, n.º 7 (2003): 713-16.
- Gatsing, D., *et al.* Antibacterial activity, bioavailability and acute toxicity evaluation of the leaf extract of *Alchornea cordifolia* (Euphorbiaceae). *Int J Pharmacol* 6, n.º 3 (2010): 173-82.
- Guédé, N. Z., *et al.* Ethnopharmacological study of plants used to treat malaria, in traditional medicine, by Bete populations of Issia (Côte d'Ivoire). *J Pharm Sci & Res* 2, n.º 4 (2010): 216-27.
- Igbeneghu, O. A., *et al.* A study of the in vivo activity of the leaf extract of *Alchornea cordifolia* against multiply antibiotic resistant *S. aureus* isolates in mice. *Phytother Res* 21, n.º 1 (2007): 67-71.
- Ismaila, O., *et al.* Evaluation of antistress potential and phytochemical constituents of aqueous root extract of *Alchornea cordifolia*. *Asian J Sci Res* 1, n.º 4 (2008): 476-80.
- Kleiman, R., *et al.* *Alchornea cordifolia* seed oil: a rich source of a new C20 epoxide, (+)cis-14, 15-epoxy-cis-11-eicosenoic acid. *Lipids* 12, n.º 7 (1977): 610-12.
- Kouakou-Siransy, G., *et al.* Effects of *Alchornea cordifolia* on elastase and superoxide anion produced by human neutrophils. *Pharm Biol* 48, n.º 2 (2010): 128-33.
- Manga, H. M., *et al.* In vivo anti-inflammatory activity of *Alchornea cordifolia* (Schumach. & Thonn.) Müll. Arg. (Euphorbiaceae). *J Ethnopharmacol* 92, n.º 2-3 (2004): 209-14.
- Mavar-Manga, H., *et al.* *Alchornea cordifolia* (Schumach. & Thonn.) Müll. Arg. *Prota* 11, n.º 1 (2007): 1-10.

- Mavar-Manga, H., *et al.* Anti-inflammatory compounds from leaves and root bark of *Alchornea cordifolia* (Schumach. & Thonn.) Müll. Arg. *J Ethnopharmacol* 115, n.º 1 (2008): 25-29.
- Mavar-Manga, H., *et al.* N1, N2, N3-trisopentenyl guanidine and N1, N2-dilsopentenyl guanidine, two cytotoxic alkaloids from *Alchornea cordifolia* (Schumach. & Thonn.) Müll. Arg. (Euphorbiaceae) root barks. *Nat Prod Commun* 1, n.º 12 (2006): 1097-100.
- Mesia, G. K., *et al.* Antiprotozoal and cytotoxic screening of 45 plant extracts from Democratic Republic of Congo. *J Ethnopharmacol* 115, n.º 3 (2008): 409-15.
- Moshi, M. J., *et al.* The ethnomedicine of the Haya people of Bugabo Ward, Kagera Region, north western Tanzania. *J Ethnobiol Ethnomed* 5 (2009): 24.
- Mpiiana, P. T., *et al.* In vitro antitrepanocytary activity (anti-sickle cell anemia) of some Congolese plants. *Phytomedicine* 14, n.º 2-3 (2007): 192-95.
- Nworu, C. S., *et al.* Activation of murine lymphocytes and modulation of macrophage functions by fractions of *Alchornea cordifolia* (Euphorbiaceae) leaf extract. *Immunopharmacol Immunotoxicol* 32, n.º 1 (2010): 28-36.
- Ogundipe, O. O., *et al.* Bioactive chemical constituents from *Alchornea laxiflora* (Benth.) Pax and Hoffman. *J Ethnopharm* 74, n.º 3 (2001): 275-80.
- Ogundipe, O. O., *et al.* Biological activities of *Alchornea laxiflora* extractives. In *Standardization and utilization of herbal medicines: challenges of the 21st century*, 201-8. Proceedings of the 1st International Workshop on Herbal Medicine Products, Ibadan, Nigeria, November 22-24, 1998. Available from CAB Direct, abstracts/20043041503.html.
- Okeke, I. N., *et al.* Antimicrobial spectrum of *Alchornea cordifolia* leaf extract. *Phytother Res* 13, n.º 1 (1999): 67-69.
- Okpuzor, J., *et al.* The potential of medicinal plants in sickle cell disease control: A review. *Int J Biomed Health Sci* 4, n.º 2 (2008): 47.
- Okwu, D. E., *et al.* Isolation, characterization and antibacterial activity screening of anthocyanidine glycosides from *Alchornea cordifolia* (Schumach. and Thonn.) Müll. Arg. leaves. *EJ Chem* 7, n.º 1 (2010): 41-48.
- Olaleye, M. T., *et al.* Acetaminophen-induced liver damage in mice: effects of some medicinal plants on the oxidative defense system. *Exp Toxicol Pathol* 59, n.º 5 (2008): 319-27.
- Olaleye, M. T., *et al.* Commonly used tropical medicinal plants exhibit distinct in vitro antioxidant activities against hepatotoxins in rat liver. *Exp Toxicol Pathol* 58, n.º 6 (2007): 433-38.
- Osadebe, P. O., *et al.* Anti-inflammatory effects of crude methanolic extract and fractions of *Alchornea cordifolia* leaves. *J Ethnopharmacol* 89, n.º 1 (2003): 19-24.
- Oyewale, A. O., *et al.* Cytotoxic correlation of some traditional medicinal plants using brine shrimp lethality test. *ChemClass J* 1 (2004): 110-12.
- Pesewu, G. A., *et al.* Antibacterial activity of plants used in traditional medicines of Ghana with particular reference to MRSA. *J Ethnopharmacol* 116, n.º 1 (2008): 102-11.
- Soh, P. N., *et al.* In vitro and in vivo properties of ellagic acid in malaria treatment. *Antimicrob Agents Chemother* 53, n.º 3 (2009): 1100-1106.
- Tanaka, Y., *et al.* Antibacterial compounds of licorice against upper airway respiratory tract pathogens. *J Nutr Sci Vitaminol* (Tokyo) 47, n.º 3 (2011): 270-73.
- Tona, L., *et al.* Antiamoebic and phytochemical screening of some Congolese medicinal plants. *J Ethnopharmacol* 61, n.º 1 (1998): 57-65.
- Tona, L., *et al.* Antiamoebic and spasmolytic activities of extracts from some antidiarrhoeal traditional preparations used in Kinshasa, Congo. *Phytomedicine* 7, n.º 1 (2000): 31-38.
- Tona, L., *et al.* Biological screening of traditional preparations from some medicinal plants used as antidiarrhoeal in Kinshasa, Congo. *Phytomedicine* 6, n.º 1 (1999): 59-66.
- Umukoro, S., *et al.* Evaluation of the anti-stress and anticonvulsant activities of leaf extract of *Alchornea cordifolia* in mice. *J Ethnopharmacol* 127, n.º 3 (2010): 768-70.

ARTEMISA

Abdul-Ghani, R., *et al.* Artemether shows promising female schizonticidal and ovicidal effects on the

- Egyptian strain of *Schistosoma mansoni* after maturity of infection. *Parasitol Res* 108, n.º 5 (2011): 1199-205. E-pub (preprint) November 25, 2010.
- Agarwal, S. P., *et al.* Determination of artemisinin in bulk and pharmaceutical dosage forms using HPTLC. *Indian J Pharm Sci* 71, n.º 1 (2009): 98-100.
- Aghajani, Z., *et al.* Composition and antimicrobial activity of the essential oil of *Artemisia kulbadica* from Iran. *Nat Prod Commun* 4, n.º 9 (2009): 1261-66.
- Ahameethunisa, A. R., *et al.* Antibacterial activity of *Artemisia nilagirica* leaf extracts against clinical and phytopathogenic bacteria. *BMC Complement Alt Medicine* 10, n.º 6 (2010): 1-9.
- Anamed. *Artemesia annua for the treatment of malaria*. A report for a workshop of the same name sponsored by Green Templeton College, anamed, and RITAM and organized by M. Willcox, *et al.*, at Green Templeton College, Oxford, on March 13, 2010. http://www.anamed.net/worldanamed_groups/England_and_Scotland/Oxford_Artemisia_Workshop_Marc/oxford_artemisia_workshop_marc.html.
- Anonymous. Artemisinin. Wikipedia. <http://en.Wikipedia.org/wiki/Artemisinin> (accessed January 16, 2011).
- Anonymous. Research initiative on traditional antimalarial methods. Home page of the Research Initiative on Traditional Antimalarial Methods (RITAM). [ritam/](http://ritam.org)(accessed January 17, 2011).
- Anyasor, G. N., *et al.* Artesunate opens mitochondrial membrane permeability transition pore. *Annals Trop Med Pub Health* 2, n.º 2 (2009): 37-41.
- Arab, H. A., *et al.* Determination of artemisinin in *Artemisia sieberi* and anticoccidial effects of the plant extract in broiler chickens. *Trop Anim Health Prod* 38, n.º 6 (2006): 497-503.
- Arystan, L., *et al.* Experimental evaluation of the antibacterial and phagocytosis-stimulating properties of leucomisine. *Eksp Klin Farmakol* 72, n.º 5 (2009): 35-37.
- Ashton, M., *et al.* Artemisinin pharmacokinetics in healthy adults after 250, 500, and 100mg single oral doses. *Biopharm Drug Dispos* 19, n.º 4 (1998): 245-50.
- Ashton, M., *et al.* Artemisinin pharmacokinetics is time-dependent during repeated oral administrations in healthy male adults. *Drug Metab Dispos* 26, n.º 1 (1998): 25-27.
- Aydin-Schmidt, B., *et al.* Carolus Linnaeus, the ash, worm-wood and other anti-malarial plants. *Scand J Infect Dis* 42, n.º 11-12 (2010): 941-42.
- Bavdekar, S. B., *et al.* Treatment of malaria in children. *J Postgrad Med* 42, n.º 4 (1996): 115-20.
- Berger, T. G., *et al.* Artesunate in the treatment of metastatic uveal melanoma—first experiences. *Oncol Rep* 14, n.º 6 (2005): 1599-603.
- Bhakuni, R. S., *et al.* Secondary metabolites of *Artemisia annua* and their biological activity. *Current Sci* 80, n.º 1 (2001): 35-48.
- Bilia, A. R., *et al.* Simple and rapid physico-chemical methods to examine action of antimalarial drugs with hemin: its application to *Artemesia annua* constituents. *Life Sci* 70, n.º 7 (2002): 769-78.
- Bilia, A. R., *et al.* Simultaneous analysis of artemisinin and flavonoids of several extracts of *Artemesia annua* L. obtained from a commercial sample and a selected cultivar. *Phytomedicine* 13, n.º 7 (2006): 487-93.
- Blanke, C. H., *et al.* Herba Artemisiae annuae tea preparation compared to sulfadoxine- pyrimethamine in the treatment of uncomplicated falciparum malaria in adults: a randomized double-blind clinical trial. *Trop Doct* 38, n.º 2 (2008): 113-16.
- Boareto, A. C., *et al.* Toxicity of artemisinin [*Artemesia annua* L.] in two different periods of pregnancy in Wistar rats. *Reprod Toxicol* 25, n.º 2 (2008): 239-46.
- Brown, G. D., *et al.* The biosynthesis of artemisinin (Qinghaosu) and the phytochemistry of *Artemesia annua* L. (Qinghao). *Molecules* 15, n.º 11 (2010): 7603-98.
- Castillo-Juarez, I., *et al.* Anti-*Helicobacter pylori* activity of plants used in Mexican traditional medicine for gastrointestinal disorders. *J Ethnopharmacol* 122, n.º 2 (2009): 402-5.
- Chang, H., *et al.* Antifungal activity of *Artemesia annua* endophyte cultures against phytopathogenic fungi. *J Biotechnol* 88, n.º 3 (2001): 277-82.
- Chen, C. P., *et al.* Screening of Taiwanese crude drugs for antibacterial activity against *Streptococcus mutans*. *J Ethnopharmacol* 27, n.º 3 (1989): 285-95.

- Cho, S. H., *et al.* Growth-inhibiting effects of seco- tanaparthenolides identified in *Artemisia princeps* var. *orientalis* whole plant on human intestinal bacteria. *J Appl Microbiol* 95, n.° 1 (2003): 7-12.
- Chung, E. Y., *et al.* Antibacterial effects of vulgarone B from *Artemisia iwayamogi* alone and in combination with oxacillin. *Arch Pharm Res* 32, n.° 12 (2009): 1711-19.
- Clark, R. L. Embryotoxicity of the artemisinin antimalarials and potential consequences for the use in women in the first trimester. *Reprod Toxicol* 28, n.° 3 (2009): 285-96.
- Connelly, Patrice. Horrible weed or miracle herb? A review of *Bidens pilosa*. *J Australian Trad Med* 15, n.° 2 (2009): 77-79.
- Darwish, R. M., *et al.* Effect of ethnomedicinal plants in folklore medicine in Jordan as antibiotic resistant inhibitors on *Escherichia coli*. *BMC Complement Altern Med* 10 (2010): 9.
- De Ridder, S., *et al.* *Artemisia annua* as a self-reliant treatment for malaria in developing countries. *J Ethnopharmacol* 120, n.° 3 (2008): 302-14.
- De Vries, P. J., *et al.* The pharmacokinetics of a single dose of artemisinin in patients with uncomplicated falciparum malaria. *Am J Trop Med Hyg* 56, n.° 5 (1997): 503-7.
- Duc, D. D., *et al.* The pharmacokinetics of a single dose of artemisinin in healthy Vietnamese subjects. *Am J Trop Med Hyg* 51, n.° 6 (1994): 785-90.
- Efferth, T., *et al.* The antiviral activities of artemisinin and artesunate. *Clin Infect Dis* 47, n.° 6 (2008): 804-11.
- Efferth, T., *et al.* Toxicity of the antimalarial artemisinin and its derivatives. *Crit Rev Toxicol* 40, n.° 5 (2010): 405-21.
- Ene, A. C., *et al.* Antitrypanosomal effects of petroleum ether, chloroform and methanol extracts of *Artemisia maciverae* Linn. *Indian J Exp Biol* 47, n.° 12 (2009): 981-86.
- Ene, A. C., *et al.* Bioassay-guided fractionation and in vivo antiplasmodial effect of fractions of chloroform extract of *Artemisia maciverae* Linn. *Acta Trop* 112, n.° 3 (2009): 288-94.
- Esfandiari, B., *et al.* In vivo evaluation of anti- parasitic effects of *Artemisia absinthium* extracts on *Syphacia* parasite. *Internet J Parasit Dis* 2, n.° 2 (2007) ispub.com/journal/the-internet-journal-of-parasitic-diseases/volume-2-number-2/in-vivo-evaluation-of-anti-parasitic-effects-of- artemisia-absinthium-extracts-on-syphacia- parasite.html.
- Esimone, C. O., *et al.* In vitro antimicrobial interactions of artemether with some 4-quinolones. *Boll Chim Farm* 141, n.° 5 (2002): 385-88.
- Ferreira, J. F., *et al.* Drying affects artemisinin, dihydroartemisinic acid, and the antioxidant capacity of *Artemisia annua* L. leaves. *J Agric Food Chem* 58, n.° 3 (2010): 1691-98.
- Ferreira, J. F., *et al.* Flavonoids from *Artemisia annua* L. as antioxidants and their potential synergism with artemisinin against malaria and cancer. *Molecules* 15, n.° 5 (2010): 3135-70.
- Ferreira, Jorge F. S. Nutrient deficiency in the production of artemisinin, dihydroartemisinic acid, and artemisinic acid in *Artemisia annua* L. *J Agric Food Chem* 55, n.° 5 (2007): 1686-94.
- Gomes, M., *et al.* Rectal artemisinins for malaria: a review of efficacy and safety from individual patient data in clinical studies. *BMC Infect Dis* 8 (2008): 39.
- Guongrong, H., *et al.* Antioxidative and antibacterial activity of the methanol extract of *Artemisia anomala* S. Moore. *Afr J Biotechnol* 7, n.° 9 (2008): 1335-38.
- Gupta, P. C., *et al.* In vitro antibacterial activity of *Artemisia annua* Linn. growing in India. *Int J Green Pharm* 3, n.° 3 (2009): 255-58.
- Hayat, M. Q., *et al.* Palynological study of the genus *Artemisia* (Asteraceae) and its systematic implications. *P J Bot* 42, n.° 2 (2010): 751-63.
- Haynes, R. K., *et al.* Extraction of artemisinin and artemisinic acid: preparation of artemether and new analogues. *Trans R Soc Trop Med Hyg* 88, suppl. 1 (1994): S23-26.
- Hong, J., *et al.* Suppression of the antigen- stimulated RBL-2H3 mast cell activation by artekeiskeanol A. *Planta Med* 75, n.° 14 (2009): 1494-98.
- Hsu, E. The history of qing hao in the Chinese material medica. *Trans R Soc Trop Med Hyg* 100, n.° 6 (2006): 505-8.
- Hussain, I., *et al.* Analysis of artemisinin in *Artemisia* species using high performance liquid chromatography. *World Applied Sci J* 10, n.° 6 (2010): 632-36.

- Juteau, F., *et al.* Antibacterial and antioxidant activities of *Artemisia annua* essential oil. *Fitoterapia* 73, n.º 6 (2002): 532-35.
- Kamchonwongpaisan, S., *et al.* Artemisian neurotoxicity: neuropathology in rats and mechanistic studies in vitro. *Am J Trop Med* 56, n.º 1 (1997): 7-12.
- Karunajeewa, H. A., *et al.* Artesunate suppositories versus intramuscular artemether for treatment of severe malaria in children in Papua New Guinea. *Antimicrob Agents Chemother* 50, n.º 3 (2006): 968-74.
- Kawazoe, K., *et al.* Sesquiterpenoids from *Artemisia gilvescens* and an anti-MRSA compound. *J Nat Prod* 66, n.º 4 (2003): 538-39.
- Kazemi, M., *et al.* Chemical composition and antimicrobial activity of *Artemisia tschermieviana* Besser from Iran. *Pharmacog Res* 1, n.º 3 (2009): 120-24.
- Keiser, J., *et al.* Effect of artemether, artesunate, OZ78, praziquantel, and tribendimidine alone or in combination chemotherapy on the tegument of *Clonorchis sinensis*. *Parasitol Int* 59, n.º 3 (2010): 472-76.
- Klayman, D. L. Qinghaosu (artemisinin): an antimalarial drug from China. *Science* 228, n.º 4703 (1985): 1049-55.
- Kordali, S., *et al.* Determination of the chemical composition and antioxidant activity of the essential oil of *Artemisia dracunculoides* and the antifungal and antibacterial activities of Turkish *Artemisia absinthium*, *A. dracunculoides*, *Artemisia santonicum*, and *Artemisia spicigera* essential oils. *J Agric Food Chem* 53, n.º 24 (2005): 9452-58.
- Kurzthals, J. A., *et al.* Ineffective change of antimalaria prophylaxis to *Artemisia vulgaris* in a group travelling to West Africa. *Ugeskr Laeger* 167, n.º 43 (2005): 4082-83.
- Laciar, A., *et al.* Antibacterial and antioxidant activities of the essential oil of *Artemisia echegarayi* Hieron. (Asteraceae). *Revista argentina de microbiologia* (online) 41, n.º 4 (2009): 226-31. scielo.php?script=sci_arttext&pid=S0325-75412009000400006&lng=es&nrm=iso. ISSN 1851-7617.
- Lee, S., *et al.* DA-9601 inhibits activation of the human mast cell line HMC-1 through inhibition of NF-kappaB. *Cell Biol Toxicol* 23, n.º 2 (2007): 105-12.
- Li, Q., *et al.* Toxicokinetic and toxicodynamic (TK/TD) evaluation to determine and predict the neurotoxicity of artemisinins. *Toxicology* 279, n.º 1-3 (2011): 1-9.
- Li, S., *et al.* Studies on prophylactic effect of artesunate on *Schistosomiasis japonica*. *Chin Med J (English)* 109, n.º 11 (1996): 848-53.
- Lommen, W. J., *et al.* Artemisinin and sesquiterpene precursors in dead and green leaves of *Artemisia annua* L. crops. *Planta Med* 73, n.º 10 (2007): 1133-39.
- Lommen, W. J., *et al.* Trichome dynamics and artemisinin accumulation during development and senescence of *Artemisia annua* leaves. *Planta Med* 72, n.º 4 (2006): 336-45.
- Longo, M., *et al.* In vivo and in vitro investigations of the effects of the antimalarial drug dihydroartemisinin (DHA) on rat embryos. *Reprod Toxicol* 22, n.º 4 (2006): 797-810.
- Luo, H., *et al.* Antioxidant and antimicrobial capacity of Chinese medicinal herb extracts in raw sheep meat. *J Food Prot* 70, n.º 6 (2007): 1440-45.
- Mannan, A., *et al.* Hairy roots induction and artemisinin analysis in *Artemisia dubia* and *Artemisia indica*. *Afr J Biotechnol* 7, n.º 18 (2008): 3288-92.
- Mannan, A., *et al.* Survey of artemisinin production by diverse *Artemisia* species in northern Pakistan. *Malar J* 9 (2010): 310.
- McGovern, P. E., *et al.* Anticancer activity of botanical compounds in ancient fermented beverages (review). *Int J Oncol* 37, n.º 1 (2010): 5-14.
- McGovern, P. E., *et al.* Fermented beverages of pre- and proto-historic China. *Proc Natl Acad Sci U.S.A* 101, n.º 51 (2004): 17593-98.
- Medhi, B., *et al.* Pharmacokinetics and toxicological profile of artemisinin compounds: an update. *Pharmacology* 84, n.º 6 (2009): 323-32.
- Min, S. W., *et al.* Inhibitory effect of eupatilin and jaceosidin from *Artemisia princeps* on carrageenan-induced inflammation in mice. *J Ethnopharmacol* 125, n.º 3 (2009): 497-500.

- Mueller, M. S., *et al.* The potential of *Artemisia annua* L. as a locally produced remedy for malaria in the tropics: agricultural, chemical and clinical aspects. *J Ethnopharmacol* 73, n.° 3 (2000): 487-93.
- Mueller, M. S., *et al.* Randomized controlled trial of a traditional preparation of *Artemisia annua* L. (annual wormwood) in the treatment of malaria. *Trans R Soc Trop Med Hyg* 98, n.° 5 (2004): 318-21.
- Nagai, A., *et al.* Growth-inhibitory effects of artesunate, pyrimethamine, and pamaquine against *Babesia equi* and *Babesia caballi* in vitro cultures. *Antimicrob Agents Chemother* 47, n.° 2 (2003): 800-803.
- N'Goran, E. K., *et al.* Randomized, double-blind, placebo-controlled trial of oral artemether for the prevention of patent *Schistosoma haematobium* infections. *Am J Trop Med Hyg* 68, n.° 1 (2003): 24-32.
- Noedl, H., *et al.* Evidence of artemisinin-resistant malaria in western Cambodia. *N Eng J Med* 359, n.° 24 (2008): 2619-20.
- Ortet, R., *et al.* Sesquiterpene lactones from the endemic Cape Verdean *Artemisia gorgonum*. *Phytochemistry* 69, n.° 17 (2008): 2961-65.
- Panossian, L. A., *et al.* Toxic brainstem encephalopathy after artemisinin treatment for breast cancer. *Ann Neurol* 59, n.° 4 (2006): 725-26.
- Phan, V. T., *et al.* Artemisinin and artesunate in the treatment of malaria in Vietnam (1984-1999). *Bull Soc Pathol Exot* 95, n.° 2 (2002): 86-88.
- Poiat, A., *et al.* Antibacterial activity of some *Artemisia* species extract. *Rev Med Chir Soc Med Nat Iasi* 113, n.° 3 (2009): 911-14.
- Rabe, T., *et al.* Antibacterial activity of South African plants used for medicinal purposes. *J Ethnopharmacol* 56, n.° 1 (1997): 81-87.
- Ramazani, A., *et al.* In vitro antiplasmodial and phytochemical study of five *Artemisia* species from Iran and in vivo activity of two species. *Parasitol Res* 107, n.° 3 (2010): 593-99.
- Ramirez, C. Antibacterial action of non-volatile substances extracted from *Artemisia tridentata* Nutt. ssp. *tridentata*. *Can J Microbiol* 15, n.° 11 (1969): 1341.
- Räth, K., *et al.* Pharmacokinetic study of artemisinin after oral intake of a traditional preparation of *Artemisia annua* L. (annual wormwood). *Am J Trop Med Hyg* 70, n.° 2 (2004): 128-32.
- Romero, M. R., *et al.* Antiviral effect of artemisinin from *Artemisia annua* against a model member of the Flaviviridae family, the bovine viral diarrhoea virus (BVDV). *Planta Med* 72, n.° 13 (2006): 1169-74.
- Romero, M. R., *et al.* Effect of artemisinin/artesunate as inhibitors of hepatitis B virus production in an «in vitro» replicative system. *Antiviral Res* 68, n.° 2 (2005): 75-83.
- Rowen, Robert J. Artemisinin: from malaria to cancer treatment. *Townsend Letter* 91 (1995): 41-46.
- Rustaiyan, Abdolhossein. A new antimalarial agent, effect of extracts of *Artemisia diffusa* against *Plasmodium berghei*. *Pharmacog Mag* 5, n.° 17 (2009): 1-7.
- Seddik, K., *et al.* Antioxidant and antibacterial activities of extracts from *Artemisia herbaalba* Asso. leaves and some phenolic compounds. *J Med Plants Res* 4, n.° 13 (2010): 1273-80.
- Shahverdi, A. R., *et al.* A TLC bioautographic assay for the detection of nitrofurantoin resistance reversal compound. *J Chromatograph B* 850, n.° 1-2 (2007): 528-30.
- Sherif, H., *et al.* Drugs, insecticides and other agents from *Artemisia*. *Med Hypotheses* 23, n.° 2 (1987): 187-93.
- Shin, T. Y., *et al.* *Artemisia iwayomogi* inhibits immediate-type allergic reaction and inflammatory cytokine secretion. *Immunopharmacol immunotoxicol* 28, n.° 3 (2006): 421-30.
- Squires, J. M., *et al.* Effects of artemisinin and *Artemisia* extracts on *Haemonchus contortus* in gerbils (*Meriones unguiculatus*). *Vet Parasitol* 175, n.° 1-2: 103-8. E-pub (preprint) September 16, 2010.
- Stavri, M., *et al.* Bioactive constituents of *Artemisia monosperma*. *Phytochemistry* 66, n.° 2 (2005): 233-39.
- Stermitz, F. R., *et al.* Two flavonoids from *Artemisia annua* which potentiate the activity of berberine and norfloxacin against a resistant strain of *Staphylococcus aureus*. *Planta Med* 68, n.° 12 (2002): 1140-41.
- Tallet, S. M., *et al.* Antifungal leaf-surface metabolites correlate with fungal abundance in sagebrush populations. *J Chem Ecol* 28, n.° 11 (2002): 2141-68.

- Tan, R. X., *et al.* Biologically active substances from the genus *Artemisia*. *Planta Med* 64, n.º 4 (1998): 295-302.
- Tawfik, A. F., *et al.* Effects of artemisinin, dihydroartemisinin and arteether on immune responses of normal mice. *Int J Immunopharmacol* 12, n.º 4 (1990): 385-89.
- Tuescher, F., *et al.* Artemisinin-induced dormancy in *Plasmodium falciparum*: duration, recovery rates, and implications in treatment failure. *J Infect Dis* 202, n.º 9 (2010): 1362-68.
- Umano, K., *et al.* Volatile chemicals identified in extracts from leaves of Japanese mugwort (*Artemisia princeps* Pamp.). *J Agric Food Chem* 48, n.º 8 (2000): 3463-69.
- Utzinger, J., *et al.* Oral artemether for prevention of *Schistosoma mansoni* infection: randomised controlled trial. *Lancet* 355, n.º 9212 (2000): 1320-25.
- Valdéz, A. F.-C., *et al.* In vitro anti-microbial activity of the Cuban medicinal plants *Simarouba glauca* DC, *Melaleuca leucadendron* L and *Artemisia absinthium* L. *Mem Inst Oswaldo Cruz* (Rio de Janeiro) 103, n.º 6 (2008): 615-18.
- Valecha, N., *et al.* Artemisinin: current status in malaria. *Indian J Pharmacol* 29, n.º 2 (1997): 71-75.
- Valentini, P., *et al.* Fighting malaria in Africa and *Artemisia annua* L. infusion. Pamphlet for the 2nd International Conference organized by (Istituto Cooperazione Economica Internazionale) and Piat-taforma Artemesia, in Rome, Italy, April 23, 2010. attachments/VIATM/ Artemisia_Depli _Inglese_web.pdf
- Van Agtmael, M. A., *et al.* Artemisinin drugs in the treatment of malaria: from medicinal herb to registered medication. *Trends Pharmacol Sci* 20, n.º 5 (1999): 199-205.
- Van de Meersch, H. Review of the use of artemisinin and its derivatives in the treatment of malaria. *J Pharm Belg* 60, n.º 1 (2005): 23-9; 60, n.º 3 (2005): 103.
- Vega, E. A., *et al.* Antimicrobial activity of *Artemisia douglasiana* and dehydrooleucodine against *Helicobacter pylori*. *J Ethnopharmacol* 124, n.º 3 (2009): 653-55.
- Verdian-rizi, M. R. Chemical composition and antimicrobial activity of the essential oil of *Artemisia annua* L. from Iran. *J Med Plant* 1, n.º 1 (2009): 21-24.
- Wallaart, T. E., *et al.* Seasonal variation of artemisinin and its biosynthetic precursors in plants of *Artemisia annua* of different geographical origin: proof for the existence of chemotypes. *Planta Med* 66, n.º 1 (2000): 57-62.
- Wan, Y. D., *et al.* Studies on the antimalarial action of gelatin capsules of *Artemisia annua*. *Zhongguo Ji Sheng Chong Xue Yu Ji Sheng Chong Bing Za Zhi* 10, n.º 4 (1992): 290-94.
- Wang, Y. C., *et al.* Screening of anti-*Helicobacter pylori* herbs deriving from Taiwanese folk medicinal plants. *FEMS Immunol Med Microbiol* 43, n.º 2 (2005): 295-300.
- Wesche, D. L., *et al.* Neurotoxicity of artemisinin analogs in vitro. *Antimicrob Agents Chemother* 38, n.º 8 (1994): 1813-19.
- Willcox, M., *et al.* *Artemesia annua* as a herbal tea for malaria. *Afr J Tradit Complement Altern Med* 4, n.º 1 (2007): 121-23.
- Willcox, M., *et al.* *Artemesia annua* as a traditional herbal antimalarial. Chapter 3 in *Traditional Medicinal Plants and Malaria*, ed. M. Willcox, *et al.* Vol. 4 of Traditional Herbal Medicines for Modern Times. Boca Raton, Fla.: CRC Press, 2004. Available online from the Istituto Cooperazione Economica Internazionale at as_a_traditional_herbal_antimalarial.pdf.
- Willcox, M. L., *et al.* Is parasite clearance clinically important after malaria treatment in a high transmission area? A 3-month follow-up of home-based management with herbal medicine or ACT. *Trans R Soc Trop Med Hyg* 105, n.º 1 (2011): 23-31.
- Wootton, D. G., *et al.* Open-label comparative clinical study of chlorproguanil-dapsone fixed dose combination (Lapdap) alone or with three different doses of artesunate for uncomplicated *Plasmodium falciparum* malaria. *PLoS One* 3, n.º 3 (2008): e1779.
- Wright, C. W., *et al.* Ancient Chinese methods are remarkably effective for the preparation of artemisinin-rich extracts of qing hao with potent antimalarial activity. *Molecules* 15, n.º 2 (2010): 804-12.
- Wu, T. X., *et al.* Systematic review of benefits and harms of artemisinin-type compounds for preventing schistosomiasis. *Zhonghua Yi Xue Za Zhi* 83, n.º 14 (2003): 1219-24.
- Xiao, S., *et al.* Field studies on preventative effect of artemether against infection with *Schistosoma japonicum*. *Zhongguo Ji Sheng Chong Xue Yu Ji Sheng Chong Bing Za Zhi* 13, n.º 3 (1995): 170-73.

- Xiao, S., *et al.* Recent investigations of artemether, a novel agent for the prevention of schistosomiasis japonica, mansoni and haematobia. *Acta Trop* 82, n.º 2 (2002): 175-81.
- Yashphe, J., *et al.* Antibacterial activity of *Artemisia herbaalba*. *J Pharm Sci* 68, n.º 7 (1979): 924-25, 1979.
- Zafar, M. M., *et al.* Screening of *Artemisia absinthium* for antimalarial effects on *Plasmodium berghei* in mice: a preliminary report. *J Ethnopharmacol* 30, n.º 2 (1990): 223-26.
- Zhang, Q. H., *et al.* Artemisia Zhuolu antibacterial activity of different ways to extract more. Free Papers Download Center, December 26, 2008.
- Zheng, W. F., *et al.* Two flavonoids from *Artemisia giraldii* and their antimicrobial activity, *Planta Med* 62, n.º 2 (1996): 160-62.
- Zia, M., *et al.* Effect of growth regulators and amino acids on artemisinin production in the callus of *Artemisia absinthium*. *Pak J Bot* 39, n.º 2 (2007): 799-805.

ASHWAGANDA

- Aalinkeel, R., *et al.* Genomic analysis highlights the role of the JAK-STAT signaling in the anti-proliferative effects of dietary flavonoid «ashwagandha» in prostate cancer cells. *Evid Based Complement Alternat Med* 7, n.º 2 (2010): 177-87. E-pub (preprint) January 10, 2008.
- Agarwal, R., *et al.* Studies on immunomodulatory activity of *Withania somnifera* (ashwagandha) extracts in experimental immune inflammation. *J Ethnopharmacol* 67, n.º 1 (1999): 27-35.
- Ahmad, M., *et al.* Neuroprotective effects of *Withania somnifera* on 6-hydroxydopamine induced Parkinsonism in rats. *Hum Exp Toxicol* 24, n.º 3 (2005): 137-47.
- Ahmad, M. K. *Withania somnifera* improves semen quality by regulating reproductive hormone levels and oxidative stress in seminal plasma of infertile males. *Fertil Steril* 94, n.º 3 (2010): 989-96.
- Anonymous. Monograph. *Withania somnifera*. *Altern Med Rev* 9, n.º 2 (2004): 211-14.
- Anonymous. Role of ashwagandha in human health. On the website of Well Corps International. RoleOfAshwagandhaInHumanHealth.html (accessed February 8, 2012).
- Archana, R., *et al.* Antistressor effect of *Withania somnifera*. *J Ethnopharmacol* 64, n.º 1 (1999): 91-93.
- Auddy, B., *et al.* A standardized *Withania somnifera* extract significantly reduces stress-related parameters in chronically stressed humans: a double-blind, randomized, placebo-controlled study. *JANA* 11, n.º 1 (2008): 51-57.
- Bani, S., *et al.* Selective Th1 up-regulating activity of *Withania somnifera* aqueous extract in an experimental system using flow cytometry. *J Ethnopharmacol* 107, n.º 1 (2006): 107-15.
- Bhat, J., *et al.* In vivo enhancement of natural killer cell activity through tea fortified with Ayurvedic herbs. *Phytother Res* 24, n.º 1 (2010): 129-35.
- Bhatnager, M., *et al.* Neuroprotective effects of *Withania somnifera* Dunal.: a possible mechanism. *Neurochem Res* 34, n.º 11 (2009): 1975-83.
- Bhattacharya, S. K., *et al.* Adaptogenic activity of *Withania somnifera*: an experimental study using rat model of chronic stress. *Pharmacol Biochem Behav* 75, n.º 3 (2003): 547-55.
- Chaudhary, G., *et al.* Evaluation of *Withania somnifera* in a middle cerebral artery occlusion model of stroke in rats. *Clin Exp Pharmacol Physiol* 30, n.º 5-6 (2003): 399-404.
- Davis, L., *et al.* Effect of *Withania somnifera* on cell mediated immune responses in mice. *J Exp Clin Cancer Res* 21, n.º 4 (2002): 585-90.
- Davis, L., *et al.* Suppressive effect of cyclophosphamide-induced toxicity by *Withania somnifera* extract in mice. *J Ethnopharmacol* 62, n.º 3 (1998): 209-14.
- Grandhi, A., *et al.* A comprehensive pharmacological investigation of ashwagandha and ginseng. *J Ethnopharmacol* 44, n.º 3 (1994): 131-35.
- Guatam, M., *et al.* Immune response modulation to DPT vaccine by aqueous extract of *Withania somnifera* in experimental system. *Int Immunopharmacol* 4, n.º 6 (2004): 841-49.
- Immanuel, G., *et al.* Dietary medicinal plant extracts improve growth, immune activity and survival of tilapia *Oreochromis mossambicus*. *J Fish Biol* 74, n.º 7 (2009): 1462-75.

- Jain, S., *et al.* Neuroprotective effects of *Withania somnifera* Dunn. in hippocampal sub-regions of female albino rat. *Phytother Res* 15, n.º 6 (2001): 544-48.
- Jaleel, Cheruth A. Antioxidant profile changes in leaf and root tissues of *Withania somnifera* Dunal. *Plant Omics J* 2, n.º 4 (2009): 163-68.
- Kaileh, M., *et al.* Withaferin A strongly elicits IkappaB kinase beta hyperphosphorylation concomitant with potent inhibition of its kinase activity. *J Biol Chem* 282, n.º 7 (2007): 4253-64.
- Khan, B., *et al.* Augmentation and proliferation of T lymphocytes and Th-1 cytokines by *Withania somnifera* in stressed mice. *Int Immunopharmacol* 6, n.º 9 (2006): 1394-403.
- Khan, S., *et al.* Molecular insight into the immune up-regulatory properties of the leaf extract of ashwagandha and identification of Th1 immunostimulatory chemical entity. *Vaccine* 27, n.º 43 (2009): 6080-87.
- Kour, K., *et al.* Restoration of stress-induced altered T cell function and corresponding cytokines patterns by withanolide A. *Int Immunopharmacol* 9, n.º 10 (2009): 1137-44.
- Kumar, A., *et al.* Protective effect of *Withania somnifera* Dunal on the behavioral and biochemical alterations in sleep-disturbed mice (grid over water suspended method). *Indian J Exp Biol* 45, n.º 6 (2007): 524-28.
- Kumar, P., and A. Kumar. Effects of root extract of *Withania somnifera* in 3-nitropropionic acid- induced cognitive dysfunction and oxidative damage in rats. *Intrl J Health Res* 1, n.º 3 (2008): 139-49.
- Kumar, P., *et al.* Possible neuroprotective effect of *Withania somnifera* root extract against 3-nitropropionic acid-induced behavioral, biochemical, and mitochondrial dysfunction in an animal model of Huntington's disease. *J Med Food* 12, n.º 3 (2009): 591-600.
- Malik, F., *et al.* Immune modulation and apoptosis induction: Two sides of antitumoural activity of a standardised herbal formulation of *Withania somnifera*. *Eur J Cancer* 45, n.º 8 (2009): 1494-509.
- Malik, F., *et al.* A standardized root extract of *Withania somnifera* and its major constituent withanolide-A elicit humoral and cell-mediated immune responses by up regulation of Th1- dominant polarization in BALB/c mice. *Life Sci* 80, n.º 16 (2007): 1525-38.
- Mikolaj, J., *et al.* In vivo effects of ashwagandha (*Withania somnifera*) extract on the activation of lymphocytes. *J Altern Complement Med* 15, n.º 4 (2009): 423-30.
- Mirjalili, M. H., *et al.* Steroidal lactones from *Withania somnifera*, an ancient plant for novel medicine. *Molecules* 14 (2009): 2373-93.
- Mishra, L.-C., *et al.* Scientific basis for the therapeutic use of *Withania somnifera* (ashwagandha): a review. *Altern Med Rev* 5, n.º 4 (2000): 334-46.
- Muralikrishnan, G., *et al.* Immunomodulatory effects of *Withania somnifera* on azoxymethane induced experimental colon cancer in mice. *Immunol Invest* 39, n.º 7 (2010): 688-98.
- Naidu, P. S., *et al.* Effect of *Withania somnifera* root extract on reserpine-induced orofacial dyskinesia and cognitive dysfunction. *Phytother Res* 20, n.º 2 (2006): 140-46.
- Niaz, A., *et al.* Calcium channel blocking activities of *Withania coagulans*. *Afr J Pharm Pharmacol* 3, n.º 9 (2009): 439-42.
- Padmavathi, B., *et al.* Roots of *Withania somnifera* inhibit forestomach and skin carcinogenesis in mice. *Evid Based Complement Alternat Med* 2, n.º 1 (2005): 99-105.
- Pretorius, E., *et al.* Comparing the cytotoxic potential of *Withania somnifera* water and methanol extracts. *Afr J Tradit Complement Altern Med* 6, n.º 3 (2009): 275-80.
- Rajasankar, S., *et al.* Ashwagandha leaf extract: a potential agent in treating oxidative damage and physiological abnormalities seen in a mouse model of Parkinson's disease. *Neurosci Lett* 454, n.º 1 (2009): 11-15.
- Rajasankar, S., *et al.* *Withania somnifera* root extract improves catecholamines and physiological abnormalities seen in a Parkinson's disease model mouse. *J Ethnopharmacol* 125, n.º 3 (2009): 369-73.
- Rasool, M., *et al.* Immunomodulatory role of *Withania somnifera* root powder on experimental induced inflammation: an in vivo and in vitro study. *Vascul Pharmacol* 44, n.º 6 (2006): 406-10.
- Rege, N. N., *et al.* Adaptogenic properties of six rasayana herbs in Ayurvedic medicine. *Phytother Res* 13, n.º 4 (1999): 275-91.

- Sabina, E. P. Evaluation of analgesic, antipyretic and ulcerogenic effort of withaferin A. *Intl J Integr Biol* 6, n.º 2 (2009): 52-56.
- Senthilnathan, P., *et al.* Enhancement of antitumor effect of paclitaxel in combination with immunomodulatory *Withania somnifera* on benzo(a)pyrene induced experimental lung cancer. *Chem Biol Interact* 159, n.º 3 (2006): 180-85.
- Shukla, S. D., *et al.* Stress induced neuron degeneration and protective effects of *Semecarpus anacardium* Linn. and *Withania somnifera* Dunn. in hippocampus of albino rats: an ultrastructural study. *Indian J Exp Biol* 38, n.º 10 (2000): 1007-13.
- Singh, A., *et al.* Effect of natural and synthetic antioxidants in a mouse model of chronic fatigue syndrome. *J Med Food* 5, n.º 4 (2002): 211-20.
- Singh, B., *et al.* Adaptogenic activity of a novel, withanolide-free aqueous fraction from the roots of *Withania somnifera* Dun. *Phytother Res* 15, n.º 4 (2001): 311-18.
- Singh, B., *et al.* Adaptogenic activity of a novel withanolide-free aqueous fraction from the roots of *Withania somnifera* Dun. (Part II). *Phytother Res* 17, n.º 5 (2003): 531-36.
- Sumantran, V. N., *et al.* Chondroprotective potential of root extracts of *Withania somnifera* in osteoarthritis. *J Biosci* 32, n.º 2 (2007): 299-307.
- Sundaram, S., *et al.* In vitro evaluation of antibacterial activities of crude extracts of *Withania somnifera* (ashwagandha) to bacterial pathogens. *Asian J Biotech* 3, n.º 2 (2011): 194-99.
- Teixeira, S. T., *et al.* Prophylactic administration of *Withania somnifera* extract increases host resistance in *Listeria monocytogenes* infected mice. *Int Immunopharmacol* 6, n.º 10 (2006): 1535-42.
- Ven Murthy, M. R., *et al.* Scientific basis for the use of Indian ayurvedic medicinal plants in the treatment of neurodegenerative disorders: ashwagandha. *Cent Nerv Syst Agents Med Chem* 10, n.º 3 (2010): 238-46.
- Widodo, N., *et al.* Deceleration of senescence in normal human fibroblasts by withanone extracted from ashwagandha leaves. *J Gerontol A Biol Sci Med Sci* 64, n.º 10 (2009): 1031-38.
- Winters, M. Ancient medicine, modern use: *Withania somnifera* and its potential role in integrative oncology. *Altern Med Rev* 11, n.º 4 (2006): 269-77.
- Winters, Marie. Ancient medicine, modern use: *Withania somnifera* and its potential role in integrative oncology. *Altern Med Rev* 11, n.º 4 (2006): 269-77.
- Yadav, C. S., *et al.* Propoxur-induced acetylcholine esterase inhibition and impairment of cognitive function: attenuation by *Withania somnifera*. *Indian J Biochem Biophys* 47, n.º 2 (2010): 117-20.
- Ziauddin, M., *et al.* Studies on the immunomodulatory effects of ashwagandha. *J Ethnopharmacol* 50, n.º 2 (1996): 69-76.

ASTRÁGALO

- Ai, P., *et al.* Aqueous extract of astragali radix induces human natriuresis through enhancement of renal response to arterial natriuretic peptide. *J Ethnopharmacol* 116, n.º 3 (2008): 413-21.
- Anonymous. Astragalus. *Herbs at a Glance NCCAM* (updated 2008).
- Anonymous. *Astragalus membranaceus*. Monograph. *Altern Med Rev* 8, n.º 1 (2003): 72-77.
- Brush, J., *et al.* The effect of *Echinacea purpurea*, *Astragalus membranaceus* and *Glycyrrhiza glabra* on CD69 expression and immune cell activation in humans. *Phytother Res* 20, n.º 8 (2006): 687-95.
- Cho, J. H., *et al.* Myelophil, an extract mix of astragali radix and salviae radix, ameliorates chronic fatigue: a randomized, double-blind, controlled pilot study. *Complement Ther Med* 17, n.º 3 (2009): 141-46.
- Dobrowolski, C., and K. Jackson. In vitro rate of phagocytosis in macrophages stimulated by *Astragalus membranaceus*. *Journal of Research Across the Disciplines* (Jackson University, Jacksonville, Fla.) 2009, n.º 1. https://my.ju.edu/departments/AcademicAffairs/WritingAtJU/JRAD/Documents/Dobrowolski-AM_Research_Paper.pdf.
- Duan, P., *et al.* Clinical study on effect of astragalus in efficacy enhancing and toxicity reducing of chemotherapy in patients of malignant tumor. *Zhongguo Zhong Xi Yi Jie He Za Zhi* 22, n.º 7 (2002): 515-17.
- Gao, X. P., *et al.* Effect of huangqi zengmian powder on interstitial response in patients with esophageal cancer at peri-operational period. *Zhongguo Zhong Xi Yi Jie He Za Zhi* 21, n.º 3 (2001): 171-73.

- Haixue, K., *et al.* Secocycloartane triterpenoidal saponins from the leaves of *Astragalus membranaceus* Bunge. *Helv Chim Acta* 92, n.º 5 (2009): 950-58.
- Huang, Z. Q., *et al.* Effect of *Astragalus membranaceus* on T-lymphocyte subsets in patients with viral myocarditis. *Zhongguo Zhong Xi Yi Jie He Za Zhi* 15, n.º 6 (1995): 328-30.
- Hyun-Jung, P., *et al.* The effects of *Astragalus Membranaceus* on repeated restraint stress- induced biochemical and behavioral responses. *Korean J Physiol Pharmacol* 13, n.º 4 (2009): 315-19.
- Ka-Shun Ko, J., *et al.* Amelioration of experimental colitis by *Astragalus membranaceus* through anti-oxidation and inhibition of adhesion molecule synthesis. *World J Gastroenterol* 11, n.º 37 (2005): 5787-94.
- Kemper, K. J., and R. Small. *Astragalus (Astragalus membranaceus)*. Longwood Herbal Task Force, September 3, 1999. *astragalus/astragalus.PDF*.
- Kong, X. F., *et al.* Chinese herbal ingredients are effective immune stimulators for chickens infected with the Newcastle disease virus. *Poult Sci* 85, n.º 12 (2006): 2169-75.
- Li, S. P., *et al.* Synergy of astragalus polysaccharides and probiotics (*Lactobacillus* and *Bacillus cerus*) on immunity and intestinal microbiota in chicks. *Poult Sci* 88, n.º 3 (2009): 519-25.
- Li, Z. P., *et al.* Effect of mikvetch injection on immune function of children with tetralogy of Fallot after radical operation. *Zhongguo Zhong Xi Yi Jie He Za Zhi* 24, n.º 7 (2004): 596-600.
- Liu, K. Z., *et al.* Effects of astragalus and saponins of *Panax notoginseng* on MMP-9 in patients with type 2 diabetic macroangiopathy. *Zhongguo Zhong Yao Za Zhi* 29, n.º 3 (2004): 264-66.
- Liu, Z. G., *et al.* Effect of astragalus injection on immune function in patients with congestive heart failure. *Zhongguo Zhong Xi Yi Jie He Za Zhi* 23, n.º 5 (2003): 351-53.
- Lu, M.-C., *et al.* Effect of *Astragalus membranaceus* in rats on peripheral nerve regeneration: in vitro and in vivo studies. *J Trauma* 68, n.º 2 (2010): 434-40.
- Mao, S. P., *et al.* Modulatory effect of *Astragalus membranaceus* on Th1/Th2 cytokine in patients with herpes simplex keratitis. *Zhongguo Zhong Xi Yi Jie He Za Zhi* 24, n.º 2 (2004): 121-23.
- Mao, X. F., *et al.* Effects of β -glucan obtained from the Chinese herb *Astragalus membranaceus* and lipopolysaccharide challenge on performance, immunological, adrenal, and somatotrophic responses of weaning pigs. *J Anim Sci* 83 (2005): 2775-82.
- Matkowski, A., *et al.* Flavonoids and phenol carboxylic acids in Oriental medicinal plant *Astragalus membranaceus* acclimated in Poland. *Z Naturforsch C* 58, n.º 7-8 (2003): 602-4.
- Peng, A., *et al.* Herbal treatment for renal diseases. *Ann Acad Med Singapore* 34 (2005): 44-51.
- Schafer, P. *Astragalus membranaceus*. On the website of Chinese Medicinal Herb Farm. 2009. *Astragalus%20membran3.pdf*.
- Shabbir, M. Z., *et al.* Immunomodulatory effect of polyimmune (*Astragalus membranaceus*) extract on humoral response of layer birds vaccinated against Newcastle disease virus. *Int J Agri Biol* 10 (2008): 585-87.
- Shen, P., *et al.* Differential effects of isoflavones, from *Astragalus membranaceus* and *Pueraria thomsonii*, on the activation of PPAR α , PPAR γ , and adipocyte differentiation in vitro. *J Nutr* 136 (2006): 899-905.
- Sheng, B.-W., *et al.* *Astragalus membranaceus* reduces free radical-mediated injury to renal tubules in rabbits receiving high-energy shock waves. *Chin Med J (English)* 118, n.º 1 (2005): 43-49.
- Shi, F. S., *et al.* Effect of astragalus saponin on vascular endothelial cell and its function in burn patients. *Zhongguo Zhong Xi Yi Jie He Za Zhi* 21, n.º 10 (2001): 750-51.
- Su, L., *et al.* Effect of intravenous drip infusion of cyclophosphamide with high-dose astragalus injection in treating lupus nephritis. *Zhong Xi Yi Jie He Xue Bao* 5, n.º 3 (2007): 272-75.
- Sun, H., *et al.* Effect on exercise endurance capacity and antioxidant properties of *Astragalus membranaceus* polysaccharides (APS). *J Med Plant Res* 4, n.º 10 (2010): 982-86.
- Taixiang, W., *et al.* Chinese medical herbs for chemotherapy side effects in colorectal cancer patients. *Cochrane Database Syst Rev* 25, n.º 1 (2005): CD0004540.
- Tin, M. Y. Study of the anticarcinogenic mechanisms of *Astragalus Membranaceus* in colon cancer cells and tumor xenograft. Master's thesis, Hong Kong Baptist University, 2006. *abstracts/b20195643a.pdf*.

- Wang, F., *et al.* Effect of astragalus on cytokines in patients undergoing heart valve replacement. *Zhongguo Zhong Xi Yi Jie He Za Zhi* 28, n.° 6 (2008): 495-98.
- Wang, H. F., *et al.* Effects of *Astragalus membranaceus* on growth performance, carcass characteristics, and antioxidant status of broiler chickens. *Acta Agric Scand* 60, n.° 3 (2010): 151-58.
- Wang, M. S., *et al.* Clinical study on effect of astragalus injection and its immunoregulation action in treating chronic aplastic anemia. *Chin J Integr Med* 13, n.° 2 (2007): 98-102.
- Wojcikowski, K., *et al.* Effect of *Astragalus membranaceus* and *Angelica sinensis* combined with enalapril in rats with obstructive uropathy. *Phytotherapy Research* 24, n.° 6 (2010): 875-84.
- Wu, J., *et al.* Effect of astragalus injection on serious abdominal traumatic patients' cellular immunity. *Chin J Integr Med* 12, n.° 1 (2006): 29-31.
- Wu, Y., *et al.* Inhibition of *Astragalus membranaceus* polysaccharides against liver cancer cell HepG2. *African Journal of Microbiology Research* 4, n.° 20 (2010): 2181-83.
- Xian-qing, M., *et al.* Hypoglycemic effect of polysaccharide enriched extract of *Astragalus membranaceus* in diet induced insulin resistant C57BL/6J mice and its potential mechanism. *Phytomedicine* 16, n.° 5 (2009): 416-25.
- Xiaoyan, Z., *et al.* Effect of superfine pulverization on properties of *Astragalus membranaceus* powder. *Adv Powder Technol* 203, n.° 3 (2010): 620-25.
- Yang, W. J., *et al.* Synergistic antioxidant activities of eight traditional Chinese herb pairs. *Biol Pharm Bull* 32, n.° 6 (2009): 1021-26.
- Yao-Haur, K., *et al.* *Astragalus membranaceus* flavonoids (AMF) ameliorate chronic fatigue syndrome induced by food intake restriction plus forced swimming. *J Ethnopharmacol* 122, n.° 1 (2009): 28-34.
- Yu, D. H., *et al.* Studies of chemical constituents and their antioxidant activities from *Astragalus mongolicus* Bunge. *Biomedical and Environmental Sciences* 18 (2005): 297-301.
- Zhang, J. G., *et al.* Clinical study on effect of astragalus injection on left ventricular remodeling and left ventricular function in patients with acute myocardial infarction. *Zhongguo Zhong Xi Yi Jie He Za Zhi* 22, n.° 5 (2002): 346-48.
- Zhang, J. G., *et al.* Effect of astragalus injection plasma levels of apoptosis-related factors in aged patients with chronic heart failure. *Chin J Integr Med* 11, n.° 3 (2005): 187-90.
- Zou, Y. H., *et al.* Effect of astragalus injection combined with chemotherapy on quality of life in patients with advanced non-small cell lung cancer. *Zhongguo Zhong Xi Yi Jie He Za Zhi* 23, n.° 10 (2003): 733-35.
- Zwickey, H., *et al.* The effect of *Echinacea purpurea*, *Astragalus membranaceus* and *Glycyrrhiza glabra* on CD25 expression in humans: a pilot study. *Phytother Res* 21, n.° 11 (2007): 1109-12.

BERBERINA

- Abidi, P., *et al.* The medicinal plant goldenseal is a natural LDL-lowering agent with multiple bioactive components and new action mechanisms. *J Lipid Res* 47, n.° 10 (2006): 2134-47.
- Anonymous. Berberine monograph. *Altern Med Rev* 5, n.° 2 (2000): 175-77.
- Anonymous. *Mahonia bealei* (Fortune) Carrière. Entry in the U.S. Department of Agriculture Natural Resources Conservation Service PLANTS Database. profile?symbol=MABE2 (accessed January 25, 2011).
- Anonymous. Phellodendron. Wikipedia. <http://en.wikipedia.org/wiki/Phellodendron> (accessed January 25, 2010).
- Anonymous. Phellodendron amurense. Wikipedia. amurense (accessed January 25, 2010).
- Anonymous. Tinospora cordifolia. Wikipedia. cordifolia (accessed January 25, 2011).
- Anonymous. Weed of the week: Amur corktree. U.S. Department of Agriculture Forest Service, Forest Health Staff, Newtown Square, Penn., February 19, 2005. [invasive_plants/weeds/amur-corktree.pdf](http://www.fs.fed.us/forest_health/invasive_plants/weeds/amur-corktree.pdf).
- Anonymous. Weed of the week: Japanese barberry. U.S. Department of Agriculture Forest Service, Forest Health Staff, Newtown Square, Penn., June 13, 2005. [plants/weeds/japanese-barberry.pdf](http://www.fs.fed.us/forest_health/invasive_plants/weeds/japanese-barberry.pdf).
- Arayne, M. S., *et al.* The berberis story: *Berberis vulgaris* in therapeutics, *Pak J Pharm Sci* 20, n.° 1 (2007): 83-92.

- Askri, H., *et al.* Effects of chlorpromazine, berberine and verapamil on *Escherichia coli* heat-labile enterotoxin-induced intestinal hypersecretion in rabbit ileal loops. *J Med Microbiol* 27 (1988): 99-103.
- Ball, A. R., *et al.* Conjugated berberine to a multidrug resistance pump inhibitor creates an effective antimicrobial. *ACS Chem Biol* 1, n.º 9 (2006): 594-600.
- Borysiewicz, J., *et al.* Determining the invasive capabilities of the exotic tree *Phellodendron amurense* Rupr. in northeastern North America. Presentation at the Botany 2010 conference, July 31 through August 4, 2010, Providence, Rhode Island. botanyconference.org/engine/search/index.php?func=detail&aid=236; <http://www.youtube.com/watch?v=C20tvFpBwUE>.
- Budzinski, J. W., *et al.* Modulation of human cytochrome P450 3A4 (CYP3A4) and P-glycoprotein (P-gp) in caco-2 cell monolayers by selected commercial-source milk thistle and goldenseal products. *Can J Physiol Pharmacol* 85, n.º 9 (2007): 966-78.
- Buhlmann, C., and G. Ross. *Quantitation of the alkaloids berberine, palmatine and jatrorrhizine in Mahonia stem by capillary electrophoresis*. Pub. n.º 5990-3396EN. (Waldbronn, Germany: Agilent Technologies, March 1, 2009). <http://chem.agilent.com/Library/applications/5990-3396EN.pdf>.
- Cao, X., *et al.* Why is it challenging to predict intestinal drug absorption and oral bioavailability in human using rat model. *Pharm Res* 23, n.º 8 (2006): 1675-86.
- Cernáková, M., *et al.* Antimicrobial activity of berberine—a constituent of *Mahonia aquifolium*. *Folia Microbiol* (Prague) 47, n.º 4 (2002): 375-78.
- Chen, C. M., *et al.* Determination of berberine in plasma, urine and bile by high-performance liquid chromatography. *J Chromatogr B Biomed Appl* 665, n.º 1 (1995): 117-23.
- Chen, F., *et al.* Optimization of a novel mucoadhesive drug deliver system with ion-exchange resin core loaded with berberine hydrochloride using central composite design methodology. *Yao Xue Xue Bao* 43, n.º 9 (2008): 963-68.
- Chen, M. L., *et al.* Chemical and biological differentiation of cortex phellodendri chinensis and cortex phellodendri amurenensis. *Planta Med* 76, n.º 14 (2010): 1530-35.
- Chen, Y., *et al.* Characterization of the transportation of berberine in coptidis rhizoma extract through rat primary cultured cortical neurons. *Biomed Chromatogr* 22, n.º 1 (2008): 28-33.
- Chin, L. W., *et al.* Anti-herpes simplex virus effects of berberine from coptidis rhizoma, a major component of a Chinese herbal medicine, ching-wei-san. *Arch Virol* 155, n.º 12 (2010): 1933-41.
- Chiu, H. F., *et al.* The pharmacological and pathological studies on several hepatic protective crude drugs from Taiwan (I). *Am J Chin Med* 16, n.º 3-4 (1988): 127-37.
- Clement-Kruzel, S., *et al.* Immune modulation of macrophage pro-inflammatory response by goldenseal and astragalus extracts. *J Med Food* 11, n.º 3 (2008): 493-98.
- Cuellar, M. J., *et al.* Topical anti-inflammatory activity of some Asian medicinal plants used in dermatological disorders. *Fitoterapia* 72, n.º 3 (2001): 221-29.
- Cui, W. S., *et al.* A new isocoumarin from bark of *Pellodendron chinense*. *Nat Prod Res* 17, n.º 6 (2003): 427-29.
- Deng, Y., *et al.* Simultaneous determination of berberine, palmatine and jatrorrhizine by liquid chromatography-tandem mass spectrometry in rat plasma and its application in a pharmacokinetic study after oral administration of coptis-evodia herb couple. *J Chromatogr B Analyt Technol Biomed Life Sci* 863, n.º 2 (2008): 195-205.
- Domadia, P. N., *et al.* Berberine targets assembly of *Escherichia coli* cell division protein FtsZ. *Biochemistry* 47, n.º 10 (2008): 3225-34.
- Dong, Y., *et al.* Absorption of extractive rhizoma coptidis in rat everted gut sacs. *Zhongguo Zhong Yao Za Zhi* 33, n.º 9 (2008): 1056-60.
- Douglas, J. A., *et al.* Seasonal variation of biomass and bioactive alkaloid content of goldenseal, *Hydrastis canadensis*. *Fitoterapia* 81, n.º 7 (2010): 925-28.
- Draco Natural Products. Corydalis: when life is just a pain. *Extrax Fax* 2, n.º 8 (1999): 1. dracoherbs.com/assets/Exfax%209908%20final%20-%20new%20addr.PDF.
- Freile, M. L., *et al.* Antifungal activity of aqueous extracts and of berberine isolated from *Berberis heterophylla*. *Acta Farm Bonaerense* 25, n.º 1 (2006): 83-88.
- Freile, M. L., *et al.* Antimicrobial activity of aqueous extracts and of berberine isolated from *Berberis heterophylla*. *Fitoterapia* 74, n.º 7-8 (2003): 702-5.

- Garcia, G. E., *et al.* Akt- and CREB-mediated prostate cancer cell proliferation inhibition by nextrutine, a *Phellodendron amurense* extract. *Neoplasia* 8, n.º 6 (2006): 523-33.
- Garrison, R., *et al.* Effect of a proprietary *Magnolia* and *Phellodendron* extract on weight management: a pilot, double-blind, placebo- controlled clinical trial. *Altern Ther Health Med* 12, n.º 1 (2006): 50-54.
- Ghosh, R., *et al.* *Phellodendron amurense* bark extract prevents progression of prostate tumors in transgenic adenocarcinoma of mouse prostate: potential for prostate cancer management. *Anticancer Res* 30, n.º 3 (2010): 857-66.
- Ghosh, R., *et al.* Regulation of cox-2 by cyclic AMP response element binding protein in prostate cancer: potential role for nextrutine. *Neoplasia* 9, n.º 11 (2007): 893-99.
- Gilman, E. F., and D. Watson. *Phellodendron amurense: Amur corktree*. Florida Cooperative Extension Service, Institute of Food and Agricultural Sciences, University of Florida, May 2011.
- Giri, P., *et al.* Binding of protoberberine alkaloid coralyne with double stranded poly(A): a biophysical study. *Mol Biosyst* 4, n.º 4 (2008): 341-48.
- Grippa, E., *et al.* Inhibition of *Candida rugosa* lipase by berberine and structurally related alkaloids, evaluated by high-performance liquid chromatography. *Biosci Biotechnol Biochem* 63, n.º 9 (1999): 1557-62.
- Gui, S., *et al.* Study on preparation of berberine microemulsion and its absorption in intestine. *Zhongguo Zhong Yao Za Zhi* 34, n.º 4 (2009): 398-401.
- Gui, S. Y., *et al.* Preparation and evaluation of a microemulsion for oral delivery of berberine. *Pharmazie* 63, n.º 7 (2008): 516-19.
- Gupta, P. K., *et al.* Validation of a liquid chromatography-tandem mass spectrometric assay for the quantitative determination of hydrastine and berberine in human serum. *J Pharm Biomed Anal* 49, n.º 4 (2009): 1021-26.
- Gurley, B. J., *et al.* Effect of goldenseal (*Hydrastis canadensis*) and kava kava (*Piper methysticum*) supplementation on digoxin pharmacokinetics in humans. *Drug Metab Dispos* 35, n.º 2 (2007): 240-5.
- Gurley, B. J., *et al.* Supplementation with goldenseal (*Hydrastis canadensis*), but not kava kava (*Piper methysticum*), inhibits human CYP3A activity in vivo. *Clin Pharmacol Ther* 83, n.º 1 (2008): 61-9.
- Hajnická, V., *et al.* Effect of *Mahonia aquifolium* active compounds on interleukin-8 production in the human monocytic cell line THP-1. *Planta Med* 68, n.º 3 (2002): 266-68.
- Harikumar, K. B., *et al.* Inhibition of progression of erythroleukemia induced by Friend virus in BALB/c mice by natural products—berberine, curcumin and picroliv. *J Exp Ther Oncol* 7, n.º 4 (2008): 275-84.
- Hayashi, K., *et al.* Antiviral activity of berberine and related compounds against human cytomegalovirus. *Bioorg Med Chem Lett* 17, n.º 6 (2007): 1562-64.
- Head, Kathleen A. Natural approaches to prevention and treatment of infections of the lower urinary tract. *Altern Med Rev* 13, n.º 3 (2008): 227-44.
- Hua, W., *et al.* Determination of berberine in human plasma by liquid chromatography-electrospray ionization-mass spectrometry. *J Pharm Biomed Anal* 44, n.º 4 (2007): 931-37.
- Hwang, B. Y., *et al.* Antimicrobial constituents from goldenseal (the rhizomes of *Hydrastis canadensis*) against selected oral pathogens. *Planta Med* 69, n.º 7 (2003): 623-27.
- Imanshahidi, M., *et al.* Pharmacological and therapeutic effects of *Berberis vulgaris* and its active constituent, berberine. *Phytother Res* 22, n.º 8 (2008): 999-1012.
- Inbaraj, J. J., *et al.* Photochemistry and photocytotoxicity of alkaloids from goldenseal (*Hydrastis canadensis* L.). 2. Palmatine, hydrastine, canadine, and hydrastinine. *Chem Res Toxicol* 19, n.º 6 (2006): 739-44.
- Jahnke, G. D., *et al.* Developmental toxicity evaluation of berberine in rats and mice. *Birth Defects Res B Dev Reprod Toxicol* 77, n.º 3 (2006): 195-206.
- James, M. A., *et al.* Dietary administration of berberine or *Phellodendron amurense* extract inhibits cell cycle progression and lung tumorigenesis. *Mol Carcinog* 50, n.º 1 (2011): 1-7.
- Jia, F., *et al.* Identification of palmatine as an inhibitor of West Nile virus. *Arch Virol* 155, n.º 8 (2010): 1325-29.
- Kai-sum, M., *et al.* Coptis accumulation of active ingredients. Free Papers Download Center, May 17, 2008.

- Kalman, D. S., *et al.* Effect of a proprietary *Magnolia* and *Phellodendron* extract on stress levels in healthy women: a pilot, double-blind, placebo- controlled clinical trial. *Nutr J* 21, n.º 7 (2008): 11.
- Karmakar, S. R., *et al.* Anti-carcinogenic potentials of a plant extract (*Hydrastis canadensis*): I. Evidence from in vivo studies in mice (*Mus musculus*). *Asian Pac J Cancer Prev* 11, n.º 2 (2010): 545-51.
- Kheir, M. M., *et al.* Acute toxicity of berberine and its correlation with the blood concentration in mice. *Food Chem Toxicol* 48, n.º 4 (2010): 1105-10.
- Khin-Maung-U, *et al.* Clinical trial of berberine in acute watery diarrhoea. *Br Med J (Clin Res Ed)* 291, n.º 6509 (1985): 1061-65.
- Khin-Maung-U, *et al.* Clinical trial of high- dose berberine and tetracycline in cholera. *J Diarrhoeal Dis Res* 5, n.º 3 (1987): 184-87.
- Kim, J. B., *et al.* The alkaloid berberine inhibits the growth of anoikis-resistant MCF-7 and MDA- MB-231 breast cancer cell lines by inducing cell cycle arrest. *Phytomedicine* 17, n.º 6 (2009): 436-40.
- Kim, J. H., *et al.* Effect of *Phellodendron amurense* in protecting human osteoarthritic cartilage and chondrocytes. *J Ethnopharmacol* 134, n.º 2 (2011): 234-42. E-pub (preprint) December 21, 2010.
- Kim, J. S., *et al.* Immunoquantitative analysis for berberine and its related compounds using monoclonal antibodies in herbal medicines. *Analyst* 129, n.º 1 (2004): 87-91.
- Kulkarni, S. K., *et al.* Berberine: a plant alkaloid with therapeutic potential for central nervous system disorders. *Phytother Res* 24, n.º 3 (2010): 317-24.
- Kumar, A. P., *et al.* Akt/camp-responsive element binding protein/cyclin D1 network: a novel target for prostate cancer inhibition in transgenic adenocarcinoma of mouse prostate model mediated by nextrutine, a *Phellodendron amurense* bark extract. *Clin Cancer Res* 13, n.º 9 (2007): 2784-94.
- Kumar, A. P., *et al.* Natural products: potential for developing *Phellodendron amurense* bark extract for prostate cancer management. *Mini Rev Med Chem* 10, n.º 5 (2010): 388-97.
- Lau, C. W., *et al.* Cardiovascular actions of berberine. *Cardiovasc Drug Rev* 19, n.º 3 (2001): 234-44.
- Lauk, L., *et al.* Activity of *Berberis aetnensis* root extracts on *Candida* strains. *Fitoterapia* 78, n.º 2 (2007): 159-61.
- Lee, J. H., *et al.* Isolation and characterization of a novel glutathione S-transferase-activating peptide from the oriental medicinal plant *Phellodendron amurense*. *Peptides* 27, n.º 9 (2006): 2069-74.
- Lesnau, A., *et al.* Antiviral activity of berberine salts. *Pharmazie* 45, n.º 8 (1990): 638-39.
- Leu, C. H., *et al.* Constituents from the leaves of *Phellodendron amurense* and their antioxidant activity. *Chem Pharm Bull (Tokyo)*, 54, n.º 9 (2006): 1308-11.
- Li, A., *et al.* Evaluation of antimicrobial activity of certain Chinese plants used in folkloric medicine. *World J Microbio Biotech* 24, n.º 4 (2008): 569-72.
- Li, A.-R., *et al.* Antimicrobial activity of four species of Berberidaceae. *Fitoterapia* 78, n.º 5 (2007): 379-81.
- Li, H. L., *et al.* Alkaloids from *Corydalis saxicola* and their anti-hepatitis B virus activity. *Chem Biodivers* 5, n.º 5 (2008): 777-83.
- Li, H. L., *et al.* Simultaneous determination of four active alkaloids from a traditional Chinese medicine *Corydalis saxicola* Bunting. (yanhuanglian) in plasma and urine samples by LC-MS-MS. *J Chromatogr B Analyst Technol Biomed Life Sci* 831, n.º 1-2 (2006): 140-46.
- Li, Y., *et al.* Effect of additives on absorption of *Coptis chinensis* total alkaloids and pharmacokinetics in mice. *Zhongguo Zhong Yao Za Zhi* 34, n.º 3 (2009): 344-48.
- Liepin, V. K., *et al.* Seasons, regions of procurement of Amur corktree bast (*Phellodendron amurense* Rupr.) and localization of berberine in it. *Farmatsiia* 17, n.º 6 (1968): 65-69.
- Lin, C. C., *et al.* Effects of oral administration of berberine on distribution and metabolism of 2-amino-6-fluorene in Sprague-Dawley rats. *In Vivo* 21, n.º 2 (2007): 321-28.
- Lin, J. P., *et al.* Berberine induced down-regulation of matrix metalloproteinase-1, -2 and -9 in human gastric cancer cells (SNU-5) in vitro. *In Vivo* 22, n.º 2 (2008): 223-30.
- Liu, L., *et al.* Berberine suppresses intestinal disaccharidases with beneficial metabolic effects in diabetic states, evidences from in vivo and in vitro study. *Naunyn Schmiedebergs Arch Pharmacol* 381, n.º 4 (2010): 371-81.

- Liu, Y., *et al.* Simultaneous determination of seven alkaloids in *Phellodendron chinense* Schneid by high-performance liquid chromatography. *J AOAC Int* 93, n.° 5 (2010): 1416-21.
- Liu, Y. M., *et al.* A comparative study on commercial samples of phellodendri cortex. *Planta Med* 59, n.° 6 (1993): 557-61.
- Lu, S. S., *et al.* Berberine promotes glucagon-like peptide-1 (7-36) amide secretion in streptozotocin-induced diabetic rats. *J Endocrinol* 200, n.° 2 (2009): 159-65.
- Lu, T., *et al.* Simultaneous determination of berberine and palmatine in rat plasma by HPLC-ESI-MS after oral administration of traditional Chinese medicinal preparation huang-lian-jie-du decoction and the pharmacokinetic application of the method. *J Pharm Biomed Anal* 40, n.° 5 (2006): 1218-24.
- Lu, X. Y., *et al.* Enhancement of sodium caprate on intestine absorption and antidiabetic action of berberine. *AAPS Pharm Sci Tech* 11, n.° 1 (2010): 372-82.
- Ma, B. L., *et al.* Identification of the toxic constituents in rhizoma coptidis. *J Ethnopharmacol* 128, n.° 2 (2010): 357-64.
- Ma, L., *et al.* Absorption of coptisine chloride and berberrubine across human intestinal epithelial by using human Caco-2 cell monolayers. *Zhongguo Zhong Yao Za Zhi* 32, n.° 23 (2007): 2523-27.
- Maeng, H. J., *et al.* P-glycoprotein-mediated transport of berberine across Caco-2 cell monolayers. *J Pharm Sci* 91, n.° 12 (2002): 2614-21.
- Mahady, G. B., *et al.* In vitro susceptibility of *Helicobacter pylori* to isoquinoline alkaloids from *Sanguinaria canadensis* and *Hydrastis canadensis*. *Phytother Res* 17, n.° 3 (2003): 217-21.
- Min, Y. D., *et al.* Isolation of limonoids and alkaloids from *Phellodendron amurense* and their multidrug resistance (MDR) reversal activity. *Arch Pharm Res* 30, n.° 1 (2007): 58-63.
- Miyake, M., *et al.* Limonoids in *Phellodendron amurense* (Kihada). *Yakugaku Zasshi* 112, n.° 5 (1992): 343-47.
- Mori, H., *et al.* Principle of the bark of *Phellodendron amurense* to suppress the cellular immune response. *Planta Med* 60, n.° 5 (1994): 445-49.
- Mori, H., *et al.* Principle of the bark of *Phellodendron amurense* to suppress the cellular immune response: effect of phellodendrine on cellular and humoral immune responses. *Planta Med* 61, n.° 1 (1995): 45-49.
- Morisawa, TunyaLee. *Phellodendron amurense*. BugwoodWiki, updated March 23, 2009. http://wiki.bugwood.org/Phellodendron_amurense.
- Musumeci, R., *et al.* *Berberis aetnensis* C. Presl. extracts: antimicrobial properties and interaction with ciprofloxacin. *Int J Antimicrob Agents* 22, n.° 1 (2003): 48-53.
- Oben, J., *et al.* *Phellodendron* and *Citrus* extracts benefit cardiovascular health in osteoarthritis patients: a double-blind, placebo-controlled pilot study. *Nutr J* 20, n.° 7 (2008): 16.
- Oben, J., *et al.* *Phellodendron* and *Citrus* extracts benefit joint health in osteoarthritis patients: a pilot, double-blind, placebo-controlled study. *Nutr J* 14, n.° 8 (2009): 38.
- Pan, G. Y., *et al.* The involvement of P-glycoprotein in berberine absorption. *Pharmacol Toxicol* 91, n.° 4 (2002): 193-97.
- Park, E. K. Antiinflammatory effects of a combined herbal preparation (RAH13) of *Phellodendron amurense* and *Coptis chinensis* in animal models of inflammation. *Phytother Res* 21, n.° 8 (2007): 746-50.
- Park, K. S., *et al.* Differential inhibitory effects of protoberberines on sterol and chitin biosyntheses in *Candida albicans*. *J Antimicrob Chemother* 43, n.° 5 (1999): 667-74.
- Park, K. S., *et al.* HWY-289, a novel semi-synthetic protoberberine derivative with multiple target sites in *Candida albicans*. *J Antimicrob Chemother* 47, n.° 5 (2001): 513-19.
- Ping, Yi., *et al.* Berberine reverses free-fatty-acid-induced insulin resistance in 3T3-L1 adipocytes through targeting IKK. *World J Gastroenterology* 14, n.° 6 (2008): 876-83.
- Pitta-Alvarez, S. I., *et al.* In vitro shoot culture and antimicrobial activity of *Berberis buxifolia* Lam. *In Vitro Cell Dev Biol Plant* 44, n.° 6 (2008): 502-7.
- Premkumar, J., *et al.* Activity and interactions of antibiotic and phytochemical combinations against *Pseudomonas aeruginosa* in vitro. *Int J Biol Sci* 6, n.° 6 (2010): 556-68.

- Quan, H., *et al.* Potent in vitro synergism of fluconazole and berberine chloride against clinical isolates of *Candida albicans* resistant to fluconazole. *Antimicrob Agents Chemother* 50, n.º 3 (2006): 1096-99.
- Qui, W., *et al.* Effect of berberine on the pharmacokinetics of substrates of CYP3A and P-gp. *Phytother Res* 23, n.º 11 (2009): 1553-58.
- Rabbani, G. H., *et al.* Mechanism and treatment of diarrhoea due to *Vibrio cholerae* and *Escherichia coli*: roles of drugs and prostaglandins. *Dan Med Bull* 43, n.º 2 (1996): 173-85.
- Rabbani, G. H., *et al.* Randomized controlled trial of berberine sulfate therapy for diarrhea due to enterotoxigenic *Escherichia coli* and *Vibrio cholerae*. *J Infect Dis* 155, n.º 5 (1987): 979-84.
- Rajaian, H., *et al.* *Berberis vulgaris* as growth promoter in broiler chickens. *Int J Poultry Sci* 5, n.º 4 (2006): 395-97.
- Read, R. A., and J. Zasada. *Phellodendron amurense* Rupr.: Amur corktree. In *Woody Plant Seed Manual*, by the U.S. Department of Agriculture Forest Service (USDAFS Agriculture Handbook 727), 783-85. Washington DC: U.S. Government Printing Office, 2008. us/O&P%20genera.pdf .
- Rohrer, U., *et al.* Antimicrobial activity of *Mahonia aquifolium* and two of its alkaloids against oral bacteria. *Schweiz Monatsschr Zahnmed* 117 (2007): 1126-31.
- Ropivia, J., *et al.* Isoquinolines from the roots of *Thalictrum flavum* L. and their evaluation as antiparasitic compounds. *Molecules* 15 (2010): 6476-84.
- Sack, R. B., *et al.* Berberine inhibits intestinal secretory response of *Vibrio cholerae* and *Escherichia coli* enterotoxins. *Infect Immun* 35, n.º 2 (1982): 471-75.
- Sahelian, Ray. *Phellodendron*. Newsletter. <http://raysahelian.com/phellodendron.html> (accessed January 25, 2011).
- Sato, I., *et al.* The study of dentifrice containing *Phellodendron amurense* extract on periodontal disease (II). The clinical effects of dentifrice containing *Phellodendron amurense* extract and anti-inflammatory agents. *Nihon Shishubyo Gakkai Kaishi* 30, n.º 3 (1988): 887-900.
- Scazzocchio, F. *et al.* Antibacterial activity of *Hydrastis canadensis* extract and its major isolated alkaloids. *Planta Med* 67, n.º 6 (2001): 561-64.
- Schinella, G. R., *et al.* Inhibition of *Trypanosoma cruzi* growth by medical plant extract. *Fitoterapia* 73, n.º 7-8 (2002): 569-75.
- Serafim, T. L., *et al.* Different concentrations of berberine result in distinct cellular localization patterns and cell cycle effects in a melanoma cell line. *Cancer Chemother Pharmacol* 61, n.º 6 (2008): 1007-18.
- Severina, I. I., *et al.* Transfer of cationic antibacterial agents berberine, palmatine, and benzalkonium through bimolecular planar phospholipid film and *Staphylococcus aureus* membrane. *IUBMB Life* 52, n.º 6 (2001): 321-24.
- Shahid, M., *et al.* Ethnobotanical studies on *Berberis aristata* DC. root extracts. *Afr J Biotechnol* 8, n.º 4 (2009): 556-63.
- Shi, R., *et al.* Influence of *Coptis chinensis* on pharmacokinetics of flavonoids after oral administration of radix scutellariae in rats. *Biopharm Drug Dispos* 30, n.º 7 (2009): 398-410.
- Shrya, K., *et al.* Significant differences in alkaloid content of *Coptis chinensis* (huanglian), from its related American species. *Chinese Med* 4 (2009): 17.
- Singh, A., *et al.* Berberine: alkaloid with wide spectrum of pharmacological activities. *I J Nat Prod* 3 (2010): 64-75.
- Slobodniková, L., *et al.* Antimicrobial activity of *Mahonia aquifolium* crude extract and its major isolated alkaloids. *Phytother Res* 18, n.º 8 (2004): 674-76.
- Stermitz, F. R., *et al.* 5'-methoxyhydnocarpin-D and pheophorbide A: *Berberis* species components that potentiate berberine growth inhibition of resistant *Staphylococcus aureus*. *J Nat Prod* 63, n.º 8 (2000): 1146-49.
- Stermitz, F. R., *et al.* Synergy in a medicinal plant: antimicrobial action of berberine potentiated by 5'-methoxyhydnocarpin, a multidrug pump inhibitor. *PNAS* 97, n.º 4 (2000): 1433-37.
- Subhuti, Dharmananda. New uses of berberine: a valuable alkaloid from herbs for «damp-heat» syndromes. Institute for Traditional Medicine (Portland, Ore.), April 2005. [org/articles/berberine/berberine.htm](http://www.itm.org/articles/berberine/berberine.htm).

- Sun, D., *et al.* Berberine sulfate blocks adherence of *Streptococcus pyogenes* to epithelial cells, fibronectin, and hexadecane. *Antimicrob Agents Chemother* 32, n.° 9 (1988): 1370-74.
- Suraj, Gupte. Use of berberine in treatment of giardiasis. *Am J Dis Child* 129, n.° 7 (1975): 866.
- Swearingen, Jil M. Plant Conservation Alliance's Alien Plant Working Group «Least Wanted»: Japanese Barberry. U.S. National Park Service Plant Conservation Alliance, May 20, 2005.
- Tan, X., *et al.* In situ intestinal absorption kinetics of berberine and jatrorrhizine from extractive rhizoma coptidis in rats. *Zhongguo Zhong Yao Za Zhi* 35, n.° 6 (2010): 755-58.
- Tanaka, Y., *et al.* A meningoencephalitic form of cerebral aspergillosis effectively treated with a derivative of berberine alkaloids (author's transl). *Rinsho Shinkeigaku* 18, n.° 10 (1978): 635-40.
- Taylor, C. E., *et al.* Control of diarrheal diseases. *Annu Rev Public Health* 10 (1989): 221-44.
- Tegos, G., *et al.* Multidrug pump inhibitors uncover remarkable activity of plant antimicrobials. *Antimicrob Agents Chemother* 46, n.° 10 (2002): 3133-41.
- Tsai, P. L., *et al.* Hepatobiliary excretion of berberine. *Drug Metab Dispos* 32, n.° 4 (2004): 405-12.
- Turner, N., *et al.* Berberine and its more biologically available derivative, dihydroberberine, inhibit mitochondrial respiratory complex 1: a mechanism for the action of berberine to activate AMP-activated protein kinase and improve insulin action. *Diabetes* 57 (2008): 1414-18.
- Uchiyama, T., *et al.* Anti-ulcer effect of extract from phellodendri cortex. *Yakugaku Zasshi* 109, n.° 9 (1989): 672-76.
- Van Berkel, G. J. Thin-layer chromatography/desorption electrospray ionization mass spectrometry: investigation of goldenseal alkaloids. *Anal Chem* 79, n.° 7 (2007): 2778-89.
- Vennerstrom, J. L., *et al.* Berberine derivatives as antileishmanial drugs. *Antimicrob Agent Chemother* 34, n.° 5 (1990): 918-21.
- Villinski, J., *et al.* Antibacterial activity and alkaloid content of *Berberis thunbergii*, *Berberis vulgaris* and *Hydrastis canadensis*. *Pharma Biol* 41, n.° 8 (2003): 551-57.
- Volleková, A., *et al.* Antifungal activity of *Mahonia aquifolium* extract and its major protoberberine alkaloids. *Phytother Res* 17, n.° 7 (2003): 834-37.
- Volleková, A., *et al.* Isoquinoline alkaloids from *Mahonia aquifolium* stem bark are active against *Malassezia* spp. *Folia Microbiol* 46, n.° 2 (2001): 107-11.
- Wang, L., *et al.* Metabolism, transformation and distribution of *Coptis chinensis* total alkaloids in rat. *Zhongguo Zhong Yao Za Zhi* 35, n.° 15 (2010): 2017-20.
- Wang, M., *et al.* Studies on the chemical constituents of *Phellodendron chinense*. *Zhong Yao Cai* 32, n.° 2 (2009): 208-10.
- Wang, W., *et al.* In vitro antioxidant, antimicrobial and anti-herpes simplex virus type 1 activity of *Phellodendron amurense* Rupr. from China. *Am J Chin Med* 37, n.° 1 (2009): 1-9.
- Wang, X., *et al.* Berberine inhibits *Staphylococcus epidermidis* adhesion and biofilm formation on the surface of titanium alloy. *J Orthop Res* 27, n.° 11 (2009): 1487-92.
- Wang, X. Q., *et al.* Effect of rhizoma coptidis and radix rehmanniae with different ratio on pharmacokinetics of berberine in rats. *Zhongguo Zhong Yao Za Zhi* 32, n.° 17 (2007): 1795-97.
- Watanabe, Y., *et al.* The study of dentifrice containing *Phellodendron amurense* extracts on periodontal disease (I). The anti-inflammatory effects and clinical effects of *Phellodendron amurense* extract on periodontal disease. *Nihon Shishubyo Gakkai Kaishi* 30, n.° 3 (1988): 875-86.
- Weber, H. A., *et al.* Extraction and HPLC analysis of alkaloids in goldenseal. *Sheng Wu Gong Cheng Xue Bao* 20, n.° 2 (2004): 306-8.
- Wei, P. H., *et al.* Determination of alkaloids from *Coptis chinensis* Franch. and *Phellodendron amurense* Rupr. decocted together in baitouweng decocta by high performance capillary electrophoresis. *Se Pu* 20, n.° 6 (2002): 554-56.
- Wongbutdee, Jaruwan. Physiological effects of berberine. *Pharm Health Sci J* 4, n.° 1 (2009): 78-83.
- Wu, T. S., *et al.* Constituents from the leaves of *Phellodendron amurense* var. *wilsonii* and their bioactivity. *J Nat Prod* 66, n.° 9 (2003): 1207-11.
- Wu, W. N., *et al.* Alkaloids of *Thalictrum*. XXI. Isolation and characterization of alkaloids from the roots of *Thalictrum podocarpum*. *Lloydia* 40, n.° 4 (1977): 384-94.

- Wu, X., *et al.* Effects of berberine on the blood concentration of cyclosporine A in renal transplanted recipients: clinical and pharmacokinetic study. *Eur J Clin Pharmacol* 61, n.º 8 (2005): 567-72.
- Xin, H. W., *et al.* The effects of berberine on the pharmacokinetics of cyclosporine A in healthy volunteers. *Methods Find Exp Clin Pharmacol* 28, n.º 1 (2006): 25-29.
- Xu, Lihui., *et al.* Inhibitory effects of berberine on the activation and cell cycle progression of human peripheral lymphocytes. *Cell Mol Immun* 2, n.º 4 (2005): 295-300.
- Xu, Y., *et al.* Extracts of bark from the traditional Chinese herb *Phellodendron amurense* inhibit contractility of the isolated rat prostate gland. *J Ethnopharmacol* 127, n.º 1 (2010): 196-99.
- Yan, C., *et al.* Water-soluble chemical constituents from fruits of *Phellodendron chinense* var. *glabriusculum*. *Zhongguo Zhong Yao Za Zhi* 34, n.º 22 (2009): 2895-97.
- Yan, Q. N., *et al.* Study on the tissue distribution of berberine from rhizoma coptidis and compatibility with rhizoma coptidis and cortex cinnamomi in rats. *Zhong Yao Cai* 32, n.º 4 (2009): 575-78.
- Yang, C., *et al.* Effects of processing *Phellodendron amurense* with salt on anti-gout. *Zhongguo Zhong Yao Za Zhi* 30, n.º 2 (2005): 145-48.
- Yang, H. T., *et al.* Transport and uptake characteristics of a new derivative of berberine (CPU-86017) by human intestinal epithelial cell line: Caco-2. *Acta Pharmacol Sin* 24, n.º 12 (2003): 1185-91.
- Yao, M., *et al.* A reproductive screening test of goldenseal. *Birth Defects Res B Dev Reprod Toxicol* 74, n.º 5 (2005): 399-404.
- Ye, M., *et al.* Neuropharmacological and pharmacokinetic properties of berberine: a review of recent research. *J Pharm Pharmacol* 61, n.º 7 (2009): 831-37.
- Yi, L., *et al.* Simultaneous determination of baicalin, rhein and berberine in rat plasma by column-switching high-performance liquid chromatography. *J Chromatogr B Analyt Technol Biomed Life Sci* 838, n.º 1 (2006): 50-55.
- Yi, P., *et al.* Molecular mechanism of berberine in improving insulin resistance induced by free fatty acid through inhibiting nuclear transcription factor-kappaB p65 in 3T3-L1 adipocytes. *Zhongguo Zhong Xi Yi Jie He Za Zhi* 27, n.º 12 (2007): 1099-104.
- Yin, Jun., *et al.* Berberine improves glucose metabolism through induction of glycolysis. *Am J Physiol Endocrinol Metab* 294, n.º 1 (2008): E148-156.
- Yin, L., *et al.* Simultaneous determination of 11 active components in two well-known traditional Chinese medicines by HPLC coupled with diode array detection for quality control. *J Pharm Biomed Anal* 49, n.º 4 (2009): 1101-8.
- Yu, H. H., *et al.* Antimicrobial activity of berberine alone and in combination with ampicillin or oxacillin against methicillin-resistant *Staphylococcus aureus*. *J Med Food* 8, n.º 4 (2005): 454-61.
- Yu, Y., *et al.* Modulation of glucagon-like-peptide-1 release by berberine: in vivo and in vitro studies. *Biochem Pharmacol* 79, n.º 7 (2010): 1000-1006.
- Zhang, D., and T. Hartley. *Phellodendron Ruprecht*. In *Flora of China* 11, 75-76. St. Louis, MS: Missouri Botanical Garden Press; Beijing: Science Press, 2008.
- Zhang, D. M., *et al.* Effect of baicalin and berberine on transport of nimodipine on primary-cultured, rat brain microvascular endothelial cells. *Acta Pharmacol Sin* 28, n.º 4 (2007): 573-78.
- Zhang, Q.-J., *et al.* Inhibitory activity of substance in seed and sarcocarp of *Phellodendron amurense*. In *Chinese Traditional and Herbal Drugs* 1 (2008) [in Chinese]. English abstract on Medicine & Hygiene website at -hygiene.idnwhois.org/download. php?aid=32448 (accessed December 25, 2011).
- Zhang, Y., *et al.* Studies on in vivo release of berberine hydrochloride from carboxymethyl konjac glucomannan pellets in rats. *Zhongguo Zhong Yao Za Zhi* 33, n.º 13 (2008):1591-95.
- Zhang, Y., *et al.* Study on release mechanism of berberine hydrochloride-loaded carboxymethyl konjac glucomannan pellets for colonic delivery. *Zhongguo Zhong Yao Za Zhi* 33, n.º 1 (2008): 23-26.
- Zheng, H., *et al.* *Phellodendron amurense*: Amur corktree. In *Invasive Plants of Asian Origin Established in the United States and Their Natural Enemies* 1, 131-32. Morgantown, W.Va.: U.S. Department of Agriculture Forest Service, 2004. Online on the BugwoodWiki website: Phellodendron.pdf.
- Zhou, H., *et al.* Determination of berberine in *Phellodendron chinense* Schneid and its processed products by TLC (thin layer chromatography) densitometry. *Zhongguo Zhong Yao Za Zhi* 20, n.º 7 (1995): 405-7, 447.

- Zhou, H. Y., *et al.* Ferulates, amurenolactone A and amurenamide A from traditional Chinese medicine cortex phellodendri amurensis. *J Asian Nat Prod Res* 19, n.º 5-6 (2008): 409-13.
- Zuo, Feng. Pharmacokinetics of berberine and its main metabolites in conventional and pseudo germ-free rats determined by liquid chromatography/ion trap mass spectrometry. *Drug Metab Dispos* 34, n.º 12 (2006): 2064-71.

BIDENS

- Abajo, C., *et al.* In vitro study of the antioxidant and immunomodulatory activity of aqueous infusion of *Bidens pilosa*. *J Ethnopharmacol* 93, n.º 2 (2004): 319-23.
- Alarcon-Aguilar, F. J., *et al.* Investigation on the hypoglycemic effects of extracts of four Mexican medicinal plants in normal and alloxan-diabetic mice. *Phytother Res* 16, n.º 4 (2002): 383-86.
- Alvarez, A., *et al.* Gastric antisecretory and antiulcer activities of an ethanolic extract of *Bidens pilosa* L. var. *radiata* Schult. Bip. *J Ethnopharmacol* 67, n.º 3 (1999): 333-40.
- Alvarez, L., *et al.* Bioactive polyacetylenes from *Bidens pilosa*. *Planta Med* 62, n.º 4 (1996): 355-57.
- Andrade-Neto, V. F., *et al.* Antimalarial activity of *Bidens pilosa* L. (Asteraceae) ethanol extracts from wild plants collected in various localities or plants cultivated in human soil. *Phytother Res* 18, n.º 8 (2004): 634-39.
- Anonymous. *Bidens pilosa*. Wikipedia. http://en.wikipedia.org/wiki/Bidens_pilosa (accessed January 14, 2011).
- Anonymous. *Bidens pilosa* (herb). Entry in the Global Invasive Species Database, modified August 30, 2010. <http://issg.org/database/species/ecology.asp?si=1431&fr=1&sts=&lang=EN>.
- Anonymous. *Bidens pilosa* L., Asteraceae. Entry in the Pacific Island Ecosystems at Risk (PIER) database, updated March 5, 2010. org/pier/species/bidens_pilosa.htm.
- Anonymous. *Bidens pilosa* Linn. Newsdrome, September 28, 2011. alternative_medicine_news/bidens-pilosa-linn-22584780.
- Anonymous. *Presence of compounds in picao preto* (*Bidens pilosa*). Carson City, Nev.: Raintree Nutrition, 2004. preto-chemicals.pdf.
- Ashafa, A. O. T., *et al.* Screening the root extracts from *Bidens pilosa* L. var. *radiata* (Asteraceae) for antimicrobial potentials. *J Med Plant Res* 3, n.º 8 (2009): 568-72.
- Brandão, M. G. L., *et al.* Antimalarial activity of extracts and fractions from *Bidens pilosa* and other *Bidens* species (Asteraceae) correlated with the presence of acetylene and flavonoid compounds. *J Ethnopharmacol* 57 (1997): 131-38.
- Chang, C. L., *et al.* Cytopyloine, a polyacetylenic glucose, prevents type 1 diabetes in nonobese diabetic mice. *J Immunol* 178, n.º 11 (2007): 6984-93.
- Chang, C. L., *et al.* The distinct effects of a butanol fraction of *Bidens pilosa* plant extract on the development of Th1-mediated diabetes and Th2-mediated airway inflammation in mice. *J Biomed Sci* 12, n.º 1 (2005): 79-89.
- Chang, J. S., *et al.* Antileukemic activity of *Bidens pilosa* L. var. *minor* (Blume) Sherff and *Houttuynia cordata* Thunb. *Am J Chin Med* 29, n.º 2 (2001): 303-12.
- Chang, M.-H., *et al.* The low polar constituents from *Bidens pilosa* L. var. *minor* (Blume) Sherff. *J Chinese Chem Soc* 47 (2000): 1131-36.
- Chang, S. L., *et al.* Flavonoids centaurein and centaureidin, from *Bidens pilosa*, stimulate IFN- γ expression. *J Ethnopharmacol* 112, n.º 2 (2007): 232-36.
- Chang, S.-L., *et al.* Polyacetylenic compounds and butanol fraction from *Bidens pilosa* can modulate the differentiation of helper T cells and prevent autoimmune diabetes in non-obese diabetic mice. *Planta Med* 70, n.º 11 (2004): 1045-51.
- Chiang, L. C., *et al.* Anti-herpes simplex virus activity of *Bidens pilosa* and *Houttuynia cordata*. *Am J Chin Med* 31, n.º 3 (2003): 355-62.
- Chiang, Y. M., *et al.* Cytopyloine, a novel polyacetylenic glucoside from *Bidens pilosa*, functions as a T helper cell modulator. *J Ethnopharmacol* 110, n.º 3 (2007): 532-38.
- Chiang, Y. M., *et al.* Metabolite profiling and chemopreventive bioactivity of plant extracts from *Bidens pilosa*. *J Ethnopharmacol* 95, n.º 2-3 (2004): 409-19.

- Chien, S. C., *et al.* Anti-diabetic properties of three common *Bidens pilosa* variants in Taiwan. *Phytochemistry* 70, n.º 10 (2009): 1246-54.
- Chih, H. W., *et al.* Anti-inflammatory activity of Taiwan folk medicine «ham-hong-chho» in rats. *Am J Chin Med* 23, n.º 3-4 (1995): 273-78.
- Chin, H. W., *et al.* The hepatoprotective effects of Taiwan folk medicine ham-hong-chho in rats. *Am J Chin Med* 24, n.º 3-4 (1996): 231-40.
- Chippaux, J. P., *et al.* Drug or plant substances which antagonize venoms or potentiate antivenins. *Bull Soc Pathol Exot* 90, n.º 4 (1997): 282-85.
- Corren, J., *et al.* Clinical and biochemical effects of a combination botanical product (ClearGuard) for allergy: a pilot randomized double-blind placebo- controlled trial. *Nutr J* 14, n.º 7 (2008): 20.
- Costa R. J., *et al.* In vitro study of mutagenic potential of *Bidens pilosa* Linné and *Mikania glomerata* Sprengel using the comet and micronucleus assays. *J Ethnopharmacol* 118, n.º 1 (2008): 86-93.
- Dimo, T., *et al.* Effects of leaf aqueous extract of *Bidens pilosa* (Asteraceae) on KCl- and norepinephrine-induced contractions of rat aorta. *J Ethnopharmacol* 60, n.º 2 (1998): 179-82.
- Dimo, T., *et al.* Effects of the aqueous and methylene chloride extracts of *Bidens pilosa* leaf on fructose-hypertensive rats. *J Ethnopharmacol* 76, n.º 3 (2001): 215-21.
- Dimo, T., *et al.* Hypotensive effects of a methanol extract of *Bidens pilosa* Linn on hypertensive rats. *C R Acad Sci III* 322, n.º 4 (1999): 323-29.
- Dimo, T., *et al.* Leaf methanol extract of *Bidens pilosa* prevents and attenuates the hypertension induced by high-fructose diet in Wistar rats. *J Ethnopharmacol* 83, n.º 3 (2002): 183-91.
- Dimo, T., *et al.* Possible mechanisms of action of the neutral extract from *Bidens pilosa* L. leaves on the cardiovascular system of anaesthetized rats. *Phytother Res* 17, n.º 1 (2003): 1135-39.
- Frida, L., *et al.* In vivo and in vitro effects of *Bidens pilosa* L. (Asteraceae) leaf aqueous and ethanol extracts on primed-oestrogenized rat uterine muscle. *Afr J Tradit Complement Altern Med* 5, n.º 1 (2007): 79-91.
- Garcia, M., *et al.* Screening of medicinal plants against *Leishmania amazonensis*. *Pharm Biol* 48, n.º 9 (2010): 1053-58.
- Gbedema, S. Y., *et al.* Modulation effect of herbal extracts on the antibacterial activity of tetracycline. *Int J Contemp Res Rev* 1, n.º 4 (2010): 1-5.
- Gbolade, A. A. Inventory of anti-diabetic plants in selected districts of Lagos State, Nigeria. *J Ethnopharmacol* 121, n.º 1 (2009): 135-39.
- Geissberger, P., *et al.* Constituents of *Bidens pilosa* L.: do the components found so far explain the use of this plant in traditional medicine? *Acta Trop* 48, n.º 4 (1991): 251-61.
- Hoffmann, B., *et al.* Further acylated chalcones from *Bidens pilosa*. *Planta Med* 54, n.º 5 (1988): 450-51.
- Hoffmann, B., *et al.* New chalcones from *Bidens pilosa*. *Planta Med* 54, n.º 1 (1988): 52-54.
- Horiuchi, M., *et al.* Effects of *Bidens pilosa* L. var. *radiata* Scherff on experimental gastric lesion. *J Nat Med* 64, n.º 4 (2010): 430-35.
- Horiuchi, M., *et al.* Improvement of the antiinflammatory and antiallergic activity of *Bidens pilosa* L. var. *radiata* Scherff treated with enzyme (cellulosine). *J Health Sci* 54, n.º 3 (2008): 294-301.
- Hsu, H.-M., *et al.* Contrasting effects of aqueous tissue extracts from an invasive plant, *Bidens pilosa* L. var. *radiata*, on the performance of its sympatric plant species. *Taiwania* 54, n.º 3 (2009): 255-60.
- Hsu, Y. J., *et al.* Anti-hyperglycemic effects and mechanism of *Bidens pilosa* water extract. *J Ethnopharmacol* 122, n.º 2 (2009): 379-83.
- Hudson, J. B. Plant photosensitizers with antiviral properties. *Antiviral Res* 12, n.º 2 (1989): 55-74.
- Hudson, J. B., *et al.* Therapeutic potential of plant photosensitizers. *Pharmacol Ther* 49, n.º 3 (1991): 181-222.
- Jäger, A. K., *et al.* Screening of Zulu medicinal plants for prostaglandin-synthesis inhibitors. *J Ethnopharmacol* 52, n.º 2 (1996): 95-100.
- Khan, M. R., *et al.* Anti-microbial activity of *Bidens pilosa*, *Bischofia javanica*, *Elmerillia papuana* and *Sigesbekia orientalis*. *Fitoterapia* 72, n.º 6 (2001): 662-65.
- Krettl, A. U., *et al.* The search for new antimalarial drugs from plants used to treat fever and malaria or plants randomly selected: review. *Mem Inst Oswaldo Cruz* 96, n.º 8 (2001): 1033-42.

- Kumar, J. K., *et al.* A new disubstituted actylacetone from the leaves of *Bidens pilosa* Linn. *Nat Prod Res* 17, n.º 1 (2003): 71-74.
- Kumari, P., *et al.* A promising anticancer and antimalarial component from the leaves of *Bidens pilosa*. *Planta Med* 75, n.º 1 (2009): 59-61.
- Kvciński, M. R., *et al.* Study of the antitumor potential of *Bidens pilosa* (Asteraceae) used in Brazilian folk medicine. *J Ethnopharmacol* 117, n.º 1 (2008): 69-75.
- Lans, Cheryl. Comparison of plants used for skin and stomach problems in Trinidad and Tobago with Asian ethnomedicine. *J Ethnobiol Ethnomed* 3 (2007): 1-25.
- Leonard, D. B. Medicine at your feet: plants and food: *Bidens* spp. On the website of Medicine at Your Feet, produced by David Bruce Leonard, L.Ac. bidenspilosa.html (accessed January 14, 2011).
- Makuzva, R., *et al.* Antimicrobial screening in *Bidens pilosa* and *Jatropha curcas*. Honors project publication, 1990, Department of Pharmacy, Faculty of Medicine, University of Zimbabwe. pubs/1990.html.
- Matsumoto, T., *et al.* Effects of *Bidens pilosa* L. var. *radiata* Scherff treated with enzyme on histamine-induced contraction of guinea pig ileum and on histamine release from mast cells. *J Smooth Muscle Res* 45, n.º 2-3 (2009): 75-86.
- Moundipa, P. F., *et al.* In vitro amoebicidal activity of some medicinal plants of the Bamun region (Cameroon). *Afr J Tradit Complement Altern Med* 2, n.º 2 (2005): 113-21.
- Mvere, B. *Bidens pilosa* L. Record in the Protabase database, ed. G. J. H. Grubben and O. A. Denton (PROTA: Plant Resources of Tropical Africa/Resources végétales de l'Afrique tropicale). Wageningen, Netherlands. org/search.htm (accessed January 14, 2011).
- Nguelefack, T. B., *et al.* Relaxant effects of the neutral extract of the leaves of *Bidens pilosa* Linn on isolated rat vascular smooth muscle. *Phytother Res* 19, n.º 3 (2005): 207-10.
- Ogunbinu, A. O., *et al.* Constituents of *Cajuns cajan* (L.) Millsp., *Moringa oleifera* Lam., *Heliotropium indicum* L. and *Bidens pilosa* L. from Nigeria. *Nat Prod Commun* 4, n.º 4 (2009): 573-78.
- Okoli, R. I., *et al.* Phytochemical and antimicrobial properties of four herbs from Edo State, Nigeria. *Report and Opinion* 1, n.º 5 (2009): 67-73.
- Oliviera, F. Q., *et al.* New evidences of antimalarial activity of *Bidens pilosa* roots extract correlated with polyacetylene and flavonoids. *J Ethnopharmacol* 93, n.º 1 (2004): 39-42.
- Ong, P. L., *et al.* The anticancer effect of protein-extract from *Bidens alba* in human colorectal carcinoma SW480 cells via the reactive oxidative species- and glutathione depletion- dependent apoptosis. *Food Chem Toxicol* 46, n.º 5 (2008): 1535-47.
- Parry, D. W., *et al.* Opaline silica deposits in the leaves of *Bidens pilosa* L. and their possible significance in cancer. *Annal Botany* 58 (1986): 641-47.
- Pereira, R. L., *et al.* Immunosuppressive and anti-inflammatory effects of methanolic extract and the polyacetylene isolated from *Bidens pilosa* L. *Immunopharmacology* 43, n.º 1 (1999): 31-37.
- Priyanka, K., *et al.* A promising anticancer and antimalarial component from the leaves of *Bidens pilosa*. *Planta Med* 75, n.º 1 (2009): 59-61.
- Rabe, T., *et al.* Antibacterial activity of South African plants used for medicinal purposes. *J Ethnopharmacol* 56 (1997): 81-87.
- Rojas, J. J., *et al.* Screening for antimicrobial activity of ten medicinal plants used in Colombian folkloric medicine: a possible alternative in the treatment of non-nosocomial infections. *BMC Complement Alt Med* 6 (2006): 2.
- Sarg, T. M., *et al.* Constituents and biological activity of *Bidens pilosa* L. grown in Egypt. *Acta Pharm Hung* 61, n.º 6 (1991): 317-23.
- Sarker, S. D., *et al.* 5-O-methylholundin: an unusual flavonoid from *Bidens pilosa* (Asteraceae). *Biochem Syst Ecol* 28, n.º 6 (2000): 591-93.
- Sun, Y., *et al.* Cadmium tolerance and accumulation characteristics of *Bidens pilosa* L. as a potential Cd-hyperaccumulator. *J Hazard Mater* 161, n.º 2-3 (2009): 808-14.
- Sun, Y. B., *et al.* Characteristics of cadmium tolerance and bioaccumulation of *Bidens pilosa* L. seedlings. *Huan Jing Ke Xue* 30, n.º 10 (2009): 3028-35.
- Sun, Y. B., *et al.* Joint effects of arsenic and cadmium on plant growth and metal bioaccumulation: a

- potential Cd-hyperaccumulator and As-excluder *Bidens pilosa* L. *J Hazard Mater* 165, n.º 1-3 (2009): 1023-28.
- Sundararajan, P., *et al.* Studies of anticancer and antipyretic activity of *Bidens pilosa* whole plant. *Afr Health Sci* 6, n.º 1 (2006): 27-30.
- Suzigan, M. I., *et al.* An aqueous extract of *Bidens pilosa* L. protects liver from cholestatic disease: experimental study in young rats. *Acta Cir Bras* 24, n.º 5 (2009): 347-52.
- Tan, P. V., *et al.* Effects of methanol, cyclohexane and methylene chloride extracts of *Bidens pilosa* on various gastric ulcer models in rats. *J Ethnopharmacol* 73, n.º 3 (2000): 415-21.
- Tobinaga, S., *et al.* Isolation and identification of a potent antimalarial and antibacterial polyacetylene from *Bidens pilosa*. *Planta Med* 75, n.º 6 (2009): 624-28.
- Towers, G. H., *et al.* Potentially useful antimicrobial and antiviral phototoxins from plants. *Photochem Photobiol* 46, n.º 1 (1987): 61-66.
- Trivedi, P., *et al.* HPLC method development and validation of cytotoxic agent phenyl-heptatriyne in *Bidens pilosa* with ultrasonic-assisted cloud point extraction and preconcentration. *Biomed Chromatogr* 25, n.º 6 (2011): 697-706. E-pub (preprint) September 1, 2010.
- Ubillas, R. P., *et al.* Antihyperglycemic acetylenic glucosides from *Bidens pilosa*. *Planta Med* 66, n.º 1 (2000): 82-83.
- Usami, E., *et al.* Assessment of antioxidant activity of natural compound by water- and lipid-soluble antioxidant factor. *Yakugaku Zasshi* 124, n.º 11 (2004): 847-50.
- Valdés, H. A. L., *et al.* *Bidens pilosa* Linné. *Rev Cubana Plant Med* 1 (2001): 28-33.
- Wang, R., *et al.* Polyacetylenes and flavonoids from the aerial parts of *Bidens pilosa*. *Planta Med* 76, n.º 9 (2010): 893-96.
- Wat, C. K., *et al.* Ultraviolet-mediated cytotoxic activity of phenylheptatriyne from *Bidens pilosa* L. *J Nat Prod* 42, n.º 1 (1979): 103-11.
- Waterhouse, D. F. *Bidens pilosa*. In *Biological Control of Weeds: Southeast Asian Prospects*, 26-33. Canberra: Australian Centre for International Agricultural Research, 1994. files/node/2160/MN26%20Part%203.pdf.
- Wei, S., *et al.* Screen of Chinese weed species for cadmium tolerance and accumulation characteristics. *Int J Phytoremediation* 10, n.º 6 (2008): 584-97.
- Wei, S. H., *et al.* Hyperaccumulative characteristics of 7 widely distributed weed species in composite family especially *Bidens pilosa* to heavy metals. *Huan Jing Ke Xue* 29, n.º 10 (2008): 2912-18.
- Wu, L. W., *et al.* A novel polyacetylene significantly inhibits angiogenesis and promotes apoptosis in human endothelial cells through activation of the CDK inhibitors and caspase-7. *Planta Med* 73, n.º 7 (2007): 655-61.
- Wu, L. W., *et al.* Polyacetylenes function as anti-angiogenic agents. *Pharm Res* 21, n.º 11 (2004): 2112-19.
- Wu, Y. S., *et al.* Season variations for metallic elements compositions study in plant *Bidens pilosa* L. var. *radiata* Sch. in central Taiwan. *Environ Monit Assess* 168, n.º 1-4 (2010): 255-67.
- Yang, H. L., *et al.* Protection from oxidative damage using *Bidens pilosa* extracts in normal human erythrocytes. *Food Chem Toxicol* 44, n.º 9 (2006): 1513-21.
- Yoshida, N., *et al.* *Bidens pilosa* suppresses interleukin-1beta-induced cyclooxygenase-2 expression through the inhibition of mitogen activated protein kinases phosphorylation in normal human dermal fibroblasts. *J Dermatol* 33, n.º 10 (2006): 676-83.
- Yuan, L. P., *et al.* Protective effects of total flavonoids of *Bidens pilosa* L. (TFB) on animal liver injury and liver fibrosis. *J Ethnopharmacol* 116, n.º 3 (2008): 539-46.

PIMIENTO NEGRO/ PIPERINA

- Al-Fatimi, M., *et al.* Antimicrobial, cytotoxic and antioxidant activity of selected basidiomycetes from Yemen. *Pharmazie* 60, n.º 10 (2005): 776-80.
- Allameh, A., *et al.* Piperine, a plant alkaloid of the piper species, enhances the bioavailability of afloxin B1 in rat tissues. *Cancer Lett* 61, n.º 3 (1992): 195-99.
- Anonymous. Biological activities of piperine. Entry in Dr. Duke's Phytochemical and Ethnobotanical Databases. (accessed February 27, 2011).

- Anonymous. Chemicals in: *Piper nigrum* L. (Piperaceae). Entry in Dr. Duke's Phytochemical and Ethnobotanical Databases. <http://www.ars-grin.gov/duke> (accessed February 27, 2011).
- Anonymous. Piperine. QuestHealthLibrary.com, a website of Quest Vitamins. <http://> (accessed January 30, 2010).
- Atal, C. K. Biochemical basis of enhanced drug availability by piperine: evidence that piperine is a potent inhibitor of drug metabolism. *J Pharmacol Exp* 232, n.º 1 (1985): 258-62.
- Badmaev, V., et al. Piperine derived from black pepper increases the plasma levels of coenzyme Q10 following oral supplementation. *J Nutr Biochem* 11, n.º 2 (2000): 109-13.
- Bajad, S., et al. Antidiarrhoeal activity of piperine in mice. *Planta Med* 67, n.º 3 (2001): 284-87.
- Bang, J. S., et al. Anti-inflammatory and antiarthritic effects of piperine in human interleukin 1beta-stimulated fibroblast-like synoviocytes and in rat arthritis models. *Arthritis Res Ther* 11, n.º 2 (2009): R49.
- Bhardwaj, R. K., et al. Piperine, a major constituent of black pepper, inhibits human P-glycoprotein and CYP3A4. *J Pharmacol* 302, n.º 2 (2002): 645-50.
- Bishnoi, M., et al. Protective effect of curcumin and its combination with piperine (bioavailability enhancer) against haloperidol-associated neurotoxicity: cellular and neurochemical evidence. *Neurotox Res* 20, n.º 3 (2011): 215-25. E-pub (preprint) November 13, 2010.
- Chaudhry, N. M., et al. Bactericidal activity of black pepper, bay leaf, aniseed and coriander against oral isolates. *Pak J Pharm Sci* 19, n.º 3 (2006): 214-18.
- Chen, J., et al. The role of CYP3A4 and p-glycoprotein in food-drug and herb-drug interactions. *Pharmacist* 25, n.º 9 (2006): 732-38.
- Chonpathompikunlert, P., et al. Piperine, the main alkaloid of Thai black pepper, protects against neurodegeneration and cognitive impairment in animal model of cognitive deficit like condition of Alzheimer's disease. *Food Chem Toxicol* 48, n.º 3 (2010): 798-802.
- Chun, H., et al. Biochemical properties of polysaccharides from black pepper. *Biol Pharm Bull* 25, n.º 9 (2002): 1203-8.
- Dama, M. S., et al. Effect of trikatu pretreatment on the pharmacokinetics of pefloxacin administered orally in mountain Gaddi goats. *J Vet Sci* 9, n.º 1 (2008): 25-29.
- Fu, M., et al. Neuroprotective effect of piperine on primarily cultured hippocampal neurons. *Biol Pharm Bull* 33, n.º 4 (2010): 598-603.
- Gideon [pseud.]. Piperine multiplies the strength of many supplements and drugs. *Delano Report* (blog). (accessed 2/27/2011).
- Gupta, S. K., et al. Comparative anti-nociceptive, anti-inflammatory and toxicity profile of nimesulide vs nimesulide and piperine combination. *Pharmacol Res* 41, n.º 6 (2002): 657-62.
- Horn, J. R., and P. D. Hansten. Get to know an enzyme: CYP3A4. *Pharmacy Times*, September 2008: 40-42.
- Johri, R. K. Piperine-mediated changes in the permeability of rat intestinal epithelial cells. The status of gamma-glutamyl transpeptidase activity, uptake of amino acids and lipid peroxidation. *Biochem Pharmacol* 43, n.º 7 (1992): 1401-7.
- Lala, L. G., et al. Pharmacokinetic and pharmacodynamic studies on interaction of «trikatu» with diclofenac sodium. *J Ethnopharmacol* 91, n.º 2-3 (2004): 277-80.
- Lee, S. W., et al. Alkamide from the fruits of *Piper longum* and *Piper nigrum* displaying potent cell adhesion inhibition. *Bioorg Med Chem Lett* 18, n.º 16 (2008): 4544-46.
- Matheny, C., et al. Pharmacokinetic and pharmacodynamic implications of P-glycoprotein modulation. *Pharmacotherapy Publications* 21, n.º 7 (2001): 1-2.
- Mehmood, M. H., et al. Pharmacological basis for the medicinal use of black pepper and piperine in gastrointestinal disorders. *J Med Food* 13, n.º 5 (2010): 1086-96.
- Mujumdar, A. M., et al. Anti-inflammatory activity of piperine. *Jpn J Med Sci Biol* 43, n.º 3 (1990): 95-100.
- Mujumdar, A. M., et al. Effect of piperine on pentobarbitone induced hypnosis in rats. *Indian J Exp Biol* 28, n.º 5 (1990): 486-87.
- Najar, I. A., et al. Involvement of P-glycoprotein and CYP 3A4 in the enhancement of eteopside bio-

- availability by a piperine analogue. *Chem Biol Interact* 190, n.º 2-3 (2011). E-pub (preprint) February 17, 2011.
- Nakatani, N., *et al.* Chemical constituents of peppers (*Piper* spp.) and application to food preservation: naturally occurring antioxidative compounds. *Environ Health Perspect* 67 (1986): 135-42.
- Oosterheld, Jessica. P-gp (ABCB1) Introduction. On the website of GeneMDRx. genemedrx.com/PGP_Introduction.php (accessed February 27, 2011).
- Pathak, N., *et al.* Cytoprotective and immunomodulating properties of piperine on murine splenocytes: an in vitro study. *Eur J Pharmacol* 576, n.º 1-3 (2007): 160-70.
- Ramakrishnan, Pankajavalli. The role of P-glycoprotein in the blood-brain barrier. *Einstein Quart J Biol Med* 19 (2003): 160-65.
- Rasheed, M., *et al.* Phytochemical studies on the seed extract of *Piper nigrum* Linn. *Nat Prod Res* 19, n.º 7 (2005): 703-12.
- Reddy, S. V., *et al.* Antibacterial constituents from the berries of *Piper nigrum*. *Phytochemistry* 11, n.º 7-8 (2004): 697-700.
- Rho, M. C., *et al.* ACAT inhibition of alkamides identified in the fruits of *Piper nigrum*. *Phytochemistry* 68, n.º 6 (2007): 899-903.
- Sabina, E. P., *et al.* A role of piperine on monosodium urate crystal-induced inflammation—an experimental model of gouty arthritis. *Inflammation* 34, n.º 3 (2011). E-pub (preprint) 2010.
- Sasidharan, I. Comparative chemical composition and antimicrobial activity of berry and leaf essential oils of *Piper nigrum* L. *IJBMR* 1, n.º 4 (2010): 215-18.
- Shingh, I. P., *et al.* Synthesis and antileishmanial activity of piperoyl-amino acid conjugates. *Eur J Med Chem* 45, n.º 8 (2010): 3439-45.
- Shoba, G., *et al.* Influence of piperine on the pharmacokinetics of curcumin in animals and human volunteers. *Planta Med* 64, n.º 4 (1998): 353-56.
- Suresh, D. V., *et al.* Binding of bioactive phyto- chemical piperine with human serum albumin: a spectrofluorometric study. *Biopolymers* 86, n.º 4 (2007): 265-75.
- Thummel, K. Gut instincts: CYP3A4 and intestinal drug metabolism. *J Clin Invest* 117, n.º 11 (2007): 3173-76.
- Volak, L. P., *et al.* Curcuminoids inhibit multiple human cytochromes P450, UDP-glucuronosyltransferase, and sulfotransferaseenzymes, whereas piperine is a relatively selective CYP3A4 inhibitor. *Drug Metab Dispos* 36, n.º 8 (2008): 1594-605.
- Zhang, W., *et al.* Dietary regulation of P-gp function and expression. *Expert Opin Drug Metab Toxicol* 5, n.º 7 (2009): 789-801.
- Zhou, S., *et al.* Herbal modulation of P-glycoprotein. *Drug Metab Rev* 36, n.º 1 (2004): 57-104.

EUPATORIA

- Anonymous. Chemicals in: *Eupatorium perfoliatum* L. (Asteraceae). Entry in Dr. Duke's Phytochemical and Ethnobotanical Databases. (accessed December 9, 2010).
- Elsässer-Beile, U., *et al.* Cytokine production in leukocyte cultures during therapy with echinacea extract. *J Clin Lab Anal* 10, n.º 6 (1996): 441-45.
- Gassinger, C. A. A controlled clinical trial for testing of efficacy of the homeopathic drug *Eupatorium perfoliatum* D2 in the treatment of common cold (author's transl). *Arzneimittelforschung* 31, n.º 4 (1981): 732-36.
- Habtemariam, S., *et al.* Cytotoxicity and antibacterial activity of ethanol extract from leaves of a herbal drug, boneset (*Eupatorium perfoliatum*). *Phytother Res* 14, n.º 7 (2000): 575-77.
- Herz, W., *et al.* Sesquiterpene lactones of *Eupatorium perfoliatum*. *J Org Chem* 42, n.º 13 (1977): 2264-71.
- Lang, G., *et al.* Antiplasmodial activities of sesquiterpene lactones from *Eupatorium semialatum*, *Z Naturforsch C* 57, n.º 3-4 (2002): 282-86.
- Lira-Salazar, G., *et al.* Effects of homeopathic medications *Eupatorium perfoliatum* and *Arsenicum album* on parasitemia of *Plasmodium berghei*-infected mice. *Homeopathy* 95, n.º 4 (2006): 223-28.

- Maas, M., *et al.* Caffeic acid derivatives from *Eupatorium perfoliatum* L. *Molecules* 14, n.° 1 (2008): 36-45.
- Robinson, G., *et al.* Medical attributes of *Eupatorium perfoliatum*—boneset. Paper developed for a course in medical botany at Wilkes University, Wilkes-Barre, Penn., July 2007. [html](#).
- Wagner, H., *et al.* Immunological studies of plant combination preparations. In-vitro and in-vivo studies on the stimulation of phagocytosis. *Arzneimittelforschung* 41, n.° 10 (1991): 1072-76.
- Woerdenbag, H. J. Enhanced cytostatic of the sesquiterpene lactone eupatoriopicrin by glutathione depletion. *Br J Cancer* 59, n.° 1 (1989): 68-75.

CRIPTOLEPINA

- Ameyaw, Y., *et al.* Quality and harvesting specifications of some herbalists in the eastern region of Ghana. *Ethnobotanical Leaflets* (2005).
- Ameyaw, Y., *et al.* The impact of pH and soil nutrients on the total alkaloid content of *Cryptolepis sanguinolenta* (Lindl.) Schtr. *Biosci Biotech Res Asia* 4, n.° 2 (2007): 1.
- Amponsah, K., *et al.* Manual for the propagation and cultivation of medicinal plants of Ghana. Accra, Ghana: Aburi Botanic Garden (University of Ghana), 2002. Available from CabDirect at [html](#).
- Anasah, C., *et al.* In vitro genotoxicity of the West African anti-malarial herbal *Cryptolepis sanguinolenta* and its major alkaloid cryptolepine. *Toxicology* 208, n.° 1 (2005): 141-47.
- Anonymous. Antimicrobial properties of some West African medicinal plants II. Antimicrobial activity of aqueous extracts of *Cryptolepis sanguinolenta* (Lindl.) Schlechter. *Quart. J. Crude Du Res* 17, n.° 2 (1979): 78-80.
- Anonymous. Cryptolepis: An African traditional medicine that provides hope for malaria victims. *Herbal Gram* 60 (2003): 54-59, 67.
- Anonymous. *Cryptolepis buchanani*. Brief profile on the website of Ayurvedic Community at [asp?Botname=Cryptolepis%20buchanani](#) (accessed December 28, 2010).
- Anonymous. Review of cryptoline. On the website of EurekaMag.com at [review/c/427/cryptolepine.php](#) (accessed November 20, 2010).
- Anonymous. Selected African botanical remedies. [downloads/049511541X_122179.pdf](#).
- Anonymous. Shymlata. On the website of <http://ayurvedaconsultants.com/images/doctor/ayurveda/ayurvedic-herb-shymlata.aspx> (accessed December 28, 2010).
- Ansah, C., *et al.* Anxiogenic effects of an aqueous crude extract of *Cryptolepis sanguinolenta* (Periploceae) in mice. *Int J Pharmacol* 4, n.° 1 (2008): 20-26.
- Ansah, C., *et al.* Cryptolepine provokes changes in the expression of cell cycle proteins in growing cells. *Am J Pharmacol Tox* 4, n.° 4 (2009): 177-85.
- Ansah, C., *et al.* The popular herbal antimalarial, extract of *Cryptolepis sanguinolenta*, is potently cytotoxic. *Oxford J Life Sci Med Tox Sci* 70, n.° 2 (2002): 245-51.
- Ansah, C., *et al.* Reproductive and developmental toxicity of *Cryptolepis sanguinolenta* in mice. *Res J Pharmacol* 4, n.° 1 (2010): 9-14.
- Ansah, C., *et al.* Toxicological evaluation of the anti-malarial herb *Cryptolepis sanguinolenta* in rodents. *J Pharmacol Toxicol* 3 (2008): 335-43.
- Appiah, Alfred A. The golden roots of *Cryptolepis sanguinolenta*. In *African natural plant products: new discoveries and challenges in chemistry and quality*, ed. H. R. Juliani, J. E. Simon, and C.-T. Ho, 231-39. ACS Symposium Series 1021. American Chemical Society, 2009.
- Asase, A., *et al.* Medicinal plants used for the treatment of malaria in Wechiau Community Hippopotamus Sanctuary in Ghana. Abstract of an oral presentation made at the Society for Economic Botany's 48th annual meeting, June 4-7, 2007, at Lake Forest College, Chicago, Ill. [meetings/meetings_by_year/2007/pdfs/abstracts/asase.pdf](#).
- Bakhlet, A. O., *et al.* Therapeutic utility, constituents and toxicity of some medicinal plants: a review. *Vet Human Toxicol* 37, n.° 3 (1995): 255-58.
- Banerji, J., *et al.* A novel route to anticonvulsant imesatins and an approach to cryptolepine, the alkaloid from *Cryptolepis* sp. *Indian J Chem* 44B (2005): 426-29.
- Bérangère, G., *et al.* Synthesis and evaluation of analogues of 10H-indol[3-2-b]-quinoline as G-quar-

- duplex stabilizing ligands and potential inhibitors of the enzyme telomerase. *Org Biomol Chem* 2 (2004): 981-88.
- Bierer, D. E., *et al.* Antihyperglycemic activities of cryptolepine analogues: an ethnobotanical lead structure isolated from *Cryptolepis sanguinolenta*. *J Med Chem* 41, n.º 15 (1998): 2754-64.
- Bierer, D. E., *et al.* Ethnobotanical-directed discovery of the antihyperglycemic properties of cryptolepine: its isolation from *Cryptolepis sanguinolenta*, synthesis, and in vitro and in vivo activities. *J Med Chem* 41, n.º 6 (1998): 894-901.
- Bierer, D. E. Hypoglycemic agent from cryptolepis. U.S. Patent 5,917,052, filed September 28, 1994, and issued June 29, 1999.
- Boakye-Yiadom, K., *et al.* Cryptolepine hydrochloride effect on *Staphylococcus aureus*. *J Pharm Sci* 68, n.º 12 (1979): 1510-14.
- Bugyei, K. A., *et al.* Clinical efficacy of a tea-bag formulation of *Cryptolepis sanguinolenta* root in the treatment of acute uncomplicated falciparum malaria. *Ghana Med J* 44, n.º 1 (2010): 3-9.
- Cimanga, K., *et al.* In vitro and in vivo antiplasmodial activity of cryptolepine and related alkaloids from *Cryptolepis sanguinolenta*. *J Nat Prod* 60, n.º 7 (1997): 688-91.
- Cimanga, K., *et al.* In vitro biological activities of alkaloids from *Cryptolepis sanguinolenta*. *Planta Med* 62, n.º 1 (1996): 22-27.
- Dankwa, Kwabena. Evaluation of antimalarial activity of four (4) *Cryptolepis sanguinolenta* based herbal preparations on *Plasmodium berghei* in mice. Thesis, Kwame Nkrumah University of Science and Technology (Ghana), 2006. handle/123456789/1590.
- Dassonneville, L., *et al.* Cytotoxicity and cell cycle effects of the plant alkaloids cryptolepine and neocryptolepine: relation to drug-induced apoptosis. *Eur J Pharmacol* 409, n.º 1 (2000): 9-18.
- Gibbons, S., *et al.* Cryptolepine hydrochloride: a potent antimycobacterial alkaloid derived from *Cryptolepis sanguinolenta*. *Phytother Res* 17, n.º 4 (2003): 434-36.
- Grycová, Lenka. Applications of NMR to study structures of natural compounds. PhD thesis, Masaryk University, 2010. th/12679/prif_d/PhD_thesis_LG.pdf.
- Guittat, L., *et al.* Interactions of cryptolepine and neocryptolepine with unusual DNA structures. *Biochimie* 85, n.º 5 (2003): 535-47.
- Hadden, C. E., *et al.* 11-isopropylcryptolepine: a novel alkaloid isolated from *Cryptolepis sanguinolenta* characterized using submicro NMR techniques. *J Nat Prod* 62, n.º 2 (1999): 238-40.
- Humenuik, R., *et al.* Cytotoxicity and cell cycle effects of novel indolo[2,3-b]quinoline derivatives. *Oncol Res* 13, n.º 5 (2003): 269-77.
- Iwu, Maurice M. The Associate Program on Ethnobiology, Socio-Economic Value Assessment and Community Based Conservation. Report DAMD17-99-2-9025, prepared for the U.S. Army Medical Research and Materiel Command, Fort Detrick, Md., October 2000. GetTRDoc?Location=U2&doc=GetTRDoc.pdf&AD=ADA406251.
- Jansen, P. C. M., and Schmelzer, G. H. *Cryptolepis sanguinolenta* (Lindl.) Schltr. Record from Protabase database, ed. G. J. H. Grubben and O. A. Denton (PROTA: Plant Resources of Tropical Africa/Recursos végétales de l'Afrique tropicale). Wageningen, Netherlands. <http://database.prota.org/search.htm> (accessed November 18, 2010).
- Jaromin, A., *et al.* Liposomal formulation of DIMIQ, potential antitumor indolo[2,3-b] quinoline agent and its cytotoxicity on hepatoma Morris 5123 cells. *Drug Deliv* 15, n.º 1 (2008): 49-56.
- Jonckers, T. H., *et al.* Synthesis, cytotoxicity, and antiplasmodial and antitrypanosomal activity of new neocryptolepine derivatives. *J Med Chem* 45, n.º 16 (2002): 3497-508.
- Kaul, A., *et al.* Immunopotentiating properties of *Cryptolepis buchanani* root extract. *Phytother Res* 17, n.º 10 (2003): 1140-44.
- Laupattarakasem, P., *et al.* An evaluation of the activity related to inflammation of four plants used in Thailand to treat arthritis. *J Ethnopharmacol* 85, n.º 2-3 (2003): 207-15.
- Laupattarakasem, P., *et al.* In vitro and in vivo anti-inflammatory potential of *Cryptolepis buchanani*. *J Ethnopharmacol* 108, n.º 3 (2006): 349-54.
- Luo, J., *et al.* *Cryptolepis sanguinolenta*: an ethnobotanical approach to drug discovery and the isolation of a potentially useful new antihyperglycaemic agent. *Diabet Med* 15, n.º 5 (1998): 367-74.

- Luo, J., *et al.* Hypoglycemic agent from cryptolepis. U.S. Patent 5,629,319, filed June 6, 1995, and issued May 13, 1997.
- Maurya, *et al.* Pharmaceutical composition comprising extract from plant *Cryptolepis buchanani* for tea. U.S. Patent 6,548,086, filed December 18, 2001, and issued April 15, 2003.
- Mills-Robertson, F. C., *et al.* In vitro antimicrobial activity of *Cryptolepis sanguinolenta* (Periplocaceae). *Afr J Pharm Pharmacol* 3, n.° 10 (2009): 476-80.
- Mtshemla, Vathiswa. Synthesis of 2,3-diaryl-4- methoxyquinolines via palladium-catalyzed cross coupling reactions. Master's thesis, University of South Africa, May 2008. <http://uir.unisa.ac.za/bitstream/handle/10500/2275/dissertation.pdf?sequence=1>.
- Noamesi, B. K., *et al.* Studies on cryptolepine. *Planta Med* 48, n.° 5 (1983): 48-51.
- Obua, C., *et al.* Antimalarial activity of some plants used in traditional medicine in Uganda. *E C Afr J Pharma Sci* 5, n.° 2 (2002): 1.
- Olajide, O. A., *et al.* Anti-inflammatory properties of cryptolepine. *Phytother Res* 23, n.° 10 (2009): 1421-25.
- Olajide, O. A., *et al.* Synthetic cryptolepine inhibits DNA binding of NF-kappaB. *Bioorg Med Chem* 15, n.° 1 (2007): 43-49.
- Oluwafemi, A. J., *et al.* Evaluation of cryptolepine and huperzine derivatives as lead compounds towards new agents for the treatment of human African trypanosomiasis. *Nat Prod Commun* 4, n.° 2 (2009): 193-98.
- Otsyina, Hope R. Toxicological evaluation of *Cryptolepis sanguinolenta*, *Momordica charantia* and *Euphorbia hirta* in rats. Thesis, Kwame Nkrumah University of Science and Technology (Ghana), 2008. [jpuui/handle/123456789/885](http://jpuui.handle/123456789/885).
- Oyekan, A. O., *et al.* Cryptolepine inhibits platelet aggregation in vitro and in vivo and stimulates fibrinolysis ex vivo. *Gen Pharmacol* 19, n.° 2 (1988): 233-37.
- Pande, M., *et al.* Crystallization and preliminary X-ray analysis of cryptolepain, a novel glycosylated serine protease from *Cryptolepis buchanani*. *Acta Crystallogr Sect F Struct Biol Cryst Commun* 63, part 2 (2006): 74-80.
- Paulo, A., *et al.* Antiplasmodial activity of *Cryptolepis sanguinolenta* alkaloids from leaves and roots. *Planta Med* 66, n.° 1 (2000): 30-34.
- Paulo, A., *et al.* Chemotaxonomic analysis of the genus *Cryptolepis*. *Biochem Syst Ecol* 31, n.° 2 (2003): 155-66.
- Paulo, A., *et al.* *Cryptolepis sanguinolenta* activity against diarrhoeal bacteria. *J Ethnopharmacol* 44, n.° 2 (1994): 73-77.
- Paulo, A., *et al.* In vitro antibacterial screening of *Cryptolepis sanguinolenta* alkaloids. *J Ethnopharmacol* 44, n.° 2 (1994): 127-30.
- Paulo, A., *et al.* Steroidal alkaloids from *Cryptolepis obtusa*. *Phytochemistry* 53, n.° 3 (2000): 417-22.
- Prasad, P. J. N., *et al.* Micropropagation of *Cryptolepis buchanani* Roem. & Schult. *Taiwania* 49, n.° 1 (2004): 57-65.
- Rao, V. R., *et al.* Interactions of cryptosin with mammalian cardiac beta-adrenoceptors. *Drug Chem Toxicol* 13, n.° 2-3 (1990): 173-94.
- Rauwald, H. W., *et al.* *Cryptolepis sanguinolenta*: antimuscarinic properties of cryptolepine and the alkaloid fraction at M1, M2 and M3 receptors. *Planta Med* 58, n.° 6 (1992): 486-88.
- Sawer, I. K., *et al.* The effect of cryptolepine on the morphology and survival of *Escherichia coli*, *Candida albicans* and *Saccharomyces cerevisiae*. *J Appl Bacteriol* 79, n.° 3 (1995): 314-21.
- Sawer, I. K., *et al.* The killing effect of cryptolepine on *Staphylococcus aureus*. *Lett Appl Microbiol* 40, n.° 1 (2005): 24-29.
- Silva, O., *et al.* Antimicrobial activity of Guinea- Bissau traditional remedies. *J Ethnopharmacol* 50, n.° 1 (1996): 55-59.
- Simon, J. E., *et al.* Medicinal crops of Africa. In *Issues in new crops and new uses*, ed. J. Janick and A. Whipkey, 322-31. Alexandria, Va.: ASHS Press, 2007. ncnu07/pdfs/simon322-331.pdf.
- Sittiwet, C., *et al.* Anti-bacterial activity of *Cryptolepis buchanani* aqueous extract. *Int J Biol Chem* 3 (2009): 90-94.

- Soh, P. N., et al. Are West African plants a source of future antimalarial drugs? *J Ethnopharmacol* 114, n.º 2 (2007): 130-40.
- Tempesta, Michael S. The clinical efficacy of *Cryptolepis sanguinolenta* in the treatment of malaria. *Ghana Med J* 44, n.º 1 (2010): 1-2.
- Van Miert, S., et al. In vitro inhibition of beta- haematin formation, DNA interactions, neocryptolepine derivatives. *Exp Parasitol* 108, n.º 3-4 (2004): 163-68.
- Van Miert, S., et al. Isonocryptolepine, a synthetic indoloquinoline alkaloid, as an antiplasmodial lead compound. *J Nat Prod* 68, n.º 5 (2005): 674-77.
- Venkateswara, R., et al. Cryptosin, a cardenolide from the leaves of *Cryptolepis buchanani*. *Phytochemistry* 28, n.º 4 (1989): 1203-5.
- Wright, C. W. Cryptolepine and development of new antimalarial agents. *Iran J Pharm Res (IJPR)* 3, suppl. 2 (2004): 17.
- Wright, C. W. Recent developments in naturally derived antimalarials: cryptolepine analogues. *J Pharm Pharmacol* 59, n.º 6 (2007): 899-904.
- Yakubu, Clare Banoeng. «Nibima»: a wonder plant for malaria treatment for Ghana. *Eyes on Malaria* 3 (online). nibima.html.
- Yeau, K. L., et al. The cardiotoxic effect of a glycoside from *Cryptolepis buchanani*. *Yao Xue Xue Bao* 10 (1963): 561-65.
- Zhu, H., et al. Chemical compound review: cymopol. Entry on WikiGenes website at org/e/chem/e/5386672.html (accessed November 18, 2010).
- Zhu, H., et al. Mechanisms of induction of cell cycle arrest and cell death by cryptolepine in human lung adenocarcinoma A549 cells. *Oxford J Life Sci Med Tox Sci* 91, n.º 1 (2006): 132-39.
- Zhu, X. Y., et al. Synthesis and evaluation of isosteres of N-methyl indolo[3,2-b]-quinoline (cryptolepine) as new antifective agents. *Bioorg Med Chem* 15, n.º 2 (2007): 686-95.

EQUINÁCEA

- Aboulella, A. M., et al. Phytotherapeutic effects of *Echinacea purpurea* in gamma-irradiated mice. *J Vet Sci* 8, n.º 4 (2007): 341-51.
- Anonymous. Echinacea: Monograph. *Altern Med Rev* 6, n.º 4 (2001): 411-14.
- Binns, S. E., et al. Light-mediated antifungal activity of echinacea extracts. *Planta Med* 66, n.º 3 (2000): 241-14.
- Birt, D. F. Echinacea in infection. *Am J Clin Nutr* 87, n.º 2 (2008): 488S-92S.
- Brush, J., et al. The effect of *Echinacea purpurea*, *Astragalus membranaceus* and *Glycyrrhiza glabra* on CD69 expression and immune cell activation in humans. *Phytother Res* 20, n.º 8 (2006): 687-95.
- Chaves, Fernando., et al. Effect of *Echinacea purpurea* (Asteraceae) aqueous extract on antibody response to *Bothrops asper* venom and immune cell response. *Rev Biol Trop Int J Trop Biol* 55, n.º 1 (2007): 113-19.
- Facino, R. M., et al. Echinacoside and caffeoyl conjugates protect collagen from free radical- induced degradation: a potential use of echinacea extracts in the prevention of skin photodamage. *Planta Med* 61, n.º 6 (1995): 510-14.
- Fuchikama, H., et al. Effects of herbal extracts on the function of human organic anion- transporting polypeptide OATP-B. *Drug Metab Dispos* 34, n.º 4 (2006): 577-82.
- Jurkstiene, V., et al. Compensatory reactions of immune system and action of purple coneflower (*Echinacea purpurea* (L.) Moench) preparations. *Medicina (Kaunas)* 40, n.º 7 (2004): 657-62.
- Kim, L. S., et al. Immunological activity of larch arabinogalactan and echinacea: a preliminary, randomized, double-blind, placebo-controlled trial. *Altern Med Rev* 7, n.º 2 (2002): 138-49.
- Kraus, G. A., et al. Synthesis and natural distribution of anti-inflammatory alkaloids from echinacea. *Molecule* 11, n.º 10 (2006): 758-67.
- LaLone, C. A., et al. Echinacea species and alkaloids inhibit prostaglandin E(2) production in RAW264.7 mouse macrophage cells. *J Agric Food Chem* 55, n.º 18 (2007): 7314-22.
- Lee, T.-T., et al. Flavonoid, phenol and polysaccharide content of *Echinacea purpurea* L. and its immunostimulant capacity in vitro. *Internat J Environ Sci Dev* 1, n.º 1 (2010): 5-9.

- McCann, D. A., *et al.* Cytokine- and interferon- modulating properties of *Echinacea* spp. root tinctures stored at -20 degrees C for 2 years. *J Interferon Cytokine Res* 27, n.° 5 (2007): 425-36.
- Melchart, D., *et al.* Results of five randomized studies on the immunomodulatory activity of preparations of echinacea. *J Altern Complement Med* 1, n.° 2 (1995): 145-60.
- Miller, Sandra C. Echinacea: a miracle herb against aging and cancer? Evidence *in vivo* in mice. *Evid Based Complement Alternat Med* 2, n.° 3 (2005): 309-14.
- Mishima, S., *et al.* Antioxidant and immuno- enhancing effects of *Echinacea purpurea*. *Biol Pharm Bull* 27, n.° 7 (2004): 1004-9.
- Pleschka, S., *et al.* Anti-viral properties and mode of action of standardized *Echinacea purpurea* extract against highly pathogenic avian influenza virus (H5N1, H5N7) and swine-origin H1N1 (S-OIV). *Virology* 13, n.° 6 (2009): 197.
- Raduner, S., *et al.* Alkylamides from echinacea are a new class of cannabinomimetics. Cannabinoid type 2 receptor-dependent and -independent immunomodulatory effects. *J Biol Chem* 281, n.° 20 (2006): 14192-206.
- Rininger, J. A., *et al.* Immunopharmacological activity of echinacea preparations following simulated digestion on murine macrophages and human peripheral blood mononuclear cells. *J Leukocyt Biol* 68 (2000): 503.
- Roesler, J., *et al.* Application of purified polysaccharides from cell cultures of the plant *Echinacea purpurea* to mice mediates protection against systemic infections with *Listeria monocytogenes* and *Candida albicans*. *Int J Immunopharmacol* 13, n.° 1 (1991): 27-37.
- Romiti, N., *et al.* P-glycoprotein inhibitory activity of lipophilic constituents of *Echinacea pallida* roots in a human proximal tubular cell line. *Planta Med* 74, n.° 3 (2008): 264-66.
- Rousseau, B., *et al.* Investigation of anti- hyaluronidase treatment on vocal fold wound healing. *J Voice* 20, n.° 3 (2006): 443-51.
- Senchina, D. S., *et al.* Phenetic comparison of seven echinacea species based on immunomodulatory characteristics. *Econ Bot* 60, n.° 3 (2006):205-11.
- Senchina, D. S., *et al.* Year-and-a-half old, dried echinacea roots retain cytokine-modulating capabilities in an *in vitro* human older adult model of influenza vaccination. *Planta Med* 72, n.° 13 (2006): 1207-15.
- Sharma, M., *et al.* The potential use of echinacea in acne: control of *Propionibacterium acnes* growth and inflammation. *Phytother Res* 25, n.° 4 (2011): 517-21. E-pub (preprint) September 9, 2010.
- Sharma, S. M., *et al.* Bactericidal and anti-inflammatory properties of a standardized echinacea extract (Echinaforce): dual actions against respiratory bacteria. *Phytomedicine* 17, n.° 8-9 (2010): 563-68.
- Soudi, S., *et al.* Antileishmanial effect of *Echinacea purpurea* root extract cultivated in Iran. *Iran J Pharm Res* 6, n.° 2 (2007): 147-49.
- Spence, Katherine M. *In vivo* evaluation of immunomodulatory properties of crude extracts of *Echinacea* species and fractions isolated from *Echinacea purpurea*. Master's thesis, University of Southern Queensland (Toowoomba, Queensland), 1999. au/1512/.
- Steinmüller, C., *et al.* Polysaccharides isolated from plant cell cultures of *Echinacea purpurea* enhance the resistance of immunosuppressed mice against systemic infections with *Candida albicans* and *Listeria monocytogenes*. *Int J Immunopharmacol* 15, n.° 5 (1993): 605-14.
- Stevenson, L. M., *et al.* Modulation of macrophage immune responses by echinacea. *Molecules* 10 (2005): 1279-85.
- Tamta, H., *et al.* Variability in *in vitro* macrophage activation by commercially diverse bulk echinacea plant material is predominantly due to bacterial lipoproteins and lipopolysaccharides. *J Agric Food Chem* 56, n.° 22 (2008): 10552-56.
- Tunnerhoff, F. H., *et al.* Research in man and animal on the effect of echinacea extracts on artificial formation of connective tissues after fibrin implantations. *Arzneimittelforschung* 6, n.° 6 (1956): 330-34.
- Wagner, H., *et al.* Immunostimulant action of polysaccharides (heteroglycans) from higher plants. Preliminary communication. *Arzneimittelforschung* 34, n.° 6 (1984): 659-61.
- Wagner, H., *et al.* Immunostimulating action of polysaccharides (heteroglycans) from higher plants. *Arzneimittelforschung* 35, n.° 7 (1985): 1069-75.

- Wang, C. Y., *et al.* Genomics and proteomics of immune modulatory effects of a butanol fraction of *Echinacea purpurea* in human dendritic cells. *BMC Genomics* 13, n.º 9 (2008): 479.
- Zaporozhets, O. A., *et al.* Medicinal plants: spectrophotometric determination of hydroxycinnamic acid and related compounds in echinacea preparations. *Pharmaceutical Chem J* 37, n.º 12 (2003): 632.
- Zhai, Z., *et al.* Alcohol extract of *Echinacea pallida* reverses stress-delayed wound healing in mice. *Phytomedicine* 16, n.º 6-7 (2009): 669-78.
- Zhai, Z., *et al.* Alcohol extracts of echinacea inhibit production of nitric oxide and tumor necrosis factor-alpha by macrophages in vitro. *Food Agric Immunol* 18, n.º 3-4 (2007): 221-36.
- Zhai, Z., *et al.* Echinacea increases arginase activity and has anti-inflammatory properties in RAW 264.7 macrophage cells, indicative of alternative macrophage activation. *J Ethnopharmacol* 122, n.º 1 (2009): 76-85.
- Zhai, Z., *et al.* Enhancement of innate and adaptive immune functions by multiple *Echinacea* species. *J Med Food* 10, n.º 3 (2007): 423-34.
- Zwickey, H., *et al.* The effects of *Echinacea purpurea*, *Astragalus membranaceus* and *Glycyrrhiza glabra* on CD25 expression in humans: a pilot study. *Phytother Res* 21, n.º 11 (2007): 1109-12.

ELEUTEROCOCO

- Anonymous. Eleutherococcus. Wikipedia. <http://en.Wikipedia.org/wiki/Eleutherococcus> (accessed December 9, 2010). Anonymous. *Eleutherococcus pentaphyllus*. Entry in the U.S. Department of Agriculture Natural Resources Conservation Service PLANTS Database. profile?symbol=ELPE6 (accessed 12/9/2010).
- Anonymous. *Eleutherococcus senticosus*. Entry in the Plants for a Future database. user/Plant.aspx?LatinName=Eleutherococcus+senticosus (accessed January 24, 2008).
- Anonymous. *Eleutherococcus senticosus*. Wikipedia. [senticosus](http://en.Wikipedia.org/wiki/Eleutherococcus_senticosus) (accessed December 9, 2010).
- Anonymous. *Eleutherococcus senticosus*: monograph. *Altern Med Rev* 11, n.º 2 (2006): 151-55.
- Anonymous. Ginseng: *Eleutherococcus pentaphyllus*. State distribution map on the website of EDD-MAPs (Early Detection and Distribution Mapping System) at distribution/usstate.cfm?sub=21019 (accessed December 9, 2010).
- Arushanian, E. B., *et al.* Effect of eleutherococcus on short-term memory and visual perception in healthy humans. *Eksp Klin Farmakol* 66, n.º 5 (2003): 10-13.
- B czek, Katarzyna. Accumulation of biologically active compounds in eleuthero (*Eleutherococcus senticosus* /Rupr. Et Maxim./Maxim.) grown in Poland. *Herba Polonica* 55, n.º 1 (2009): 7-13.
- Barenboim, G. M. Part V: Eleutherococcus and adaptogens: generalizations and hypotheses. Eleutherococcus: application and the mechanism of action. Available online on the website of VitaOffice at download/eleuthroandadaptogens.pdf (accessed December 19, 2011).
- Barenboim, G. M., and N. B. Kozlova. Part III: Eleutherococcus extract as an agent increasing the biological resistance of man exposed to unfavorable factors. Use of eleutherococcus extract for increasing the biological resistance of man exposed to different unfavourable environmental factors (a review). Available online on the website of VitaOffice at <http://vitaoffice.com/images/office/download/eleuthrobioresist.pdf> (accessed December 19, 2011).
- Barenboim, G. M., and L. A. Protozanova. Part IV: Eleutherococcus extract: prospective trends in application. General methodological principles of the use of eleutherococcus extract for decreasing the effects of embryotoxic factors. Available online on the website of VitaOffice at download/eleuthrotrends.pdf (accessed December 19, 2011).
- Bocharov, E. V., *et al.* Neuroprotective features of phytoadaptogens. *Vestn Ross Akad Med Nauk* 4 (2008): 47-50.
- Cicero, A. F., *et al.* Effects of Siberian ginseng (*Eleutherococcus senticosus* Maxim.) on elderly quality of life: a randomized clinical trial. *Arch Gerontol Geriatr Suppl* 9 (2004): 69-73.
- Dardymov, I. V. Part II: Study of the mechanism of action of eleutherococcus extract. Some aspects of the mechanism of action of eleutherococcus extract. Available online on the website of VitaOffice at office/download/eleuthromechanism.pdf (accessed December 19, 2011).
- Davydov, M., *et al.* *Eleutherococcus senticosus* (Rupr. & Maxim.) Maxim. (Araliaceae) as an adaptogen: a closer look. *J Ethnopharmacol* 72, n.º 3 (2000): 345-93.

- Deyama, T., *et al.* Constituents and pharmacological effects of *Eucommia* and Siberian ginseng, *Acta Pharmacol Sin* 22, n.° 12 (2001): 1057-70.
- Donovan, J. L., *et al.* Siberian ginseng (*Eleutherococcus senticosus*) effects on CYP2D6 and CYP3A4 activity in normal volunteers. *Drug Metab Dispos* 31, n.° 5 (2003): 519-22.
- Drozd, J., *et al.* Estimation of humoral activity of *Eleutherococcus senticosus*. *Acta Pol Pharm* 59, n.° 9 (2002): 395-401.
- Feng, S., *et al.* Determination of eleutheroside E and eleutheroside B in rat plasma and tissue by high-performance liquid chromatography using solid-phase extraction and photodiode array detection. *Eur J Pharm Biopharm* 62, n.° 3 (2006): 315-20.
- Gaffney, B. T., *et al.* The effects of *Eleutherococcus senticosus* and *Panax ginseng* on steroidal hormone indices of stress and lymphocyte subset numbers in endurance athletes. *Life Sci* 70, n.° 4 (2001): 431-42.
- Gaffney, B. T., *et al.* *Panax ginseng* and *Eleutherococcus senticosus* may exaggerate an already existing biphasic response to stress via inhibition of enzymes which limit the binding of stress hormones to their receptors. *Med Hypotheses* 56, n.° 5 (2001): 567-72.
- Glatthaar-Saalmüller, B., *et al.* Antiviral activity of an extract derived from roots of *Eleutherococcus senticosus*. *Antiviral Res* 50, n.° 3 (2001): 223-28.
- Hartz, A. J., *et al.* Randomized controlled trial of Siberian ginseng for chronic fatigue. *Psychol Med* 34, n.° 1 (2004): 51-61.
- Jeong, H. J., *et al.* Inhibitory effects of mast cell-mediated allergic reactions by cell cultured Siberian ginseng. *Immunopharmacol Immunotoxicol* 23, n.° 1 (2001): 107-17.
- Jung, C. H., *et al.* *Eleutherococcus senticosus* extract attenuates LPS-induced iNOS expression through the inhibition of Akt and JNK pathways in murine macrophage. *J Ethnopharmacol* 113, n.° 1 (2007): 183-87.
- Kang, J. S., *et al.* Quantitative determination of eleutheroside B and E from *Acanthopanax* species by high performance liquid chromatography. *Arch Pharm Res* 24, n.° 5 (2001): 407-11.
- Kaplan, E. Y., *et al.* Part I: *Eleutherococcus* extract. Action range study of the range of the adaptogenic action of *Eleutherococcus senticosus* Rupr. et Maxim. Available online on the website of VitaOffice at office/download/eleutheroactionrange.pdf (accessed December 19, 2011).
- Kimura, Y., *et al.* Effects of various *Eleutherococcus senticosus* cortex on swimming time, natural killer activity and corticosterone level in forced swimming stressed mice. *J Ethnopharmacol* 95, n.° 2-3 (2004): 447-53.
- Kuo, J., *et al.* The effect of eight weeks of supplementation with *Eleutherococcus senticosus* on endurance capacity and metabolism in human. *Chin J Physiol* 53 (2010): 1-7.
- Lee, Jung J., *et al.* Extract of *Acanthopanax koreanum* for the treatment or prevention of hepatitis or the liver protective drug. U.S. Patent 7,309,504 B2, filed January 24, 2003, and issued December 18, 2007.
- Lee, S., *et al.* Antiinflammatory activity of hyperin from *Acanthopanax chiisanensis* roots. *Arch Pharm Res* 27, n.° 6 (2004): 628-32.
- Li, W., *et al.* *Acanthopanax* for acute ischemic stroke. *Cochrane Database Syst Rev* 8, n.° 3 (2009): CD007032.
- Liu, Y., *et al.* Effects of *Acanthopanax giraldii* Harms var. *hispidus* Hoo polysaccharides on the human gastric cancer cell line SGC-7901 and its possible mechanism. *Chin Med J* 115, n.° 5 (2002): 716-21.
- Natural Products Research Institute at Seoul National University. *Eleutherococcus sessiliflorus*. In *Medicinal plants in the Republic of Korea*. WHO Regional Publications Western Pacific Series, n.° 21. Manila: World Health Organization, 1998. internet/files/pub/97/105.pdf.
- Panossian, A., *et al.* Stimulating effect of adaptogens: an overview with particular reference to their efficacy following single dose administration. *Phytother Res* 19, n.° 10 (2005): 819-38.
- Park, H. R., *et al.* Antioxidant activity of extracts from *Acanthopanax senticosus*. *Afr J Biotechnol* 5, n.° 23 (2006): 2388-96.
- Provalova, N. V., *et al.* Mechanisms underling the effects of adaptogens on erythropoiesis during paradoxical sleep deprivation. *Bull Exp Biol Med* 133, n.° 5 (2002): 428-32.

- Randall, R. P. *Eleutherococcus pentaphyllus* (Araliaceae). Entry in *A Global Compendium of Weeds*. Meredith, Victoria (Australia): R. G. and F. J. Richardson, 2002. Available on the website of the Hawaiian Ecosystems at Risk (HEAR) project at eleutherococcus_pentaphyllus (accessed December 9, 2010).
- Rogala, E., et al. The influence of *Eleutherococcus senticosus* on cellular and humoral immunological response of mice. *Pol J Vet Sci* 6, n.º 3, suppl. (2003): 37-39.
- Sang-Chul, J., et al. Chemical characteristics and immuno-stimulating properties of biopolymers extracted from *Acanthopanax sessiliflorus*. *J Biochem Mol Biol* 39, n.º 1 (2006): 84-90.
- Schmolz, M. W., et al. The synthesis of Rantes, G-CSF, IL-4, IL-5, IL-6, IL-12 and IL-13 in human whole-blood cultures is modulated by an extract from *Eleutherococcus senticosus* L. roots. *Phytother Res* 15, n.º 3 (2001): 268-70.
- Singh, N., et al. A comparative evaluation of some anti-stress agents of plant origin. *Ind J Pharmacol* 23, n.º 2 (1991): 99-103.
- Singh, N., et al. Effect of anti-stress plants on biochemical changes during stress reaction. *Ind J Pharmacol* 23, n.º 3 (1991): 137-42.
- Sithisarn, P., et al. Antioxidant activity of *Acanthopanax trifoliatum*. *Med Princ Pract* 18 (2009): 393-98.
- Soya, H., et al. Extract from *Acanthopanax senticosus* Harms (Siberian ginseng) activates NTS and SON/PVN in the rat brain. *Biosci Biotechnol Biochem* 72, n.º 9 (2008): 2467-80.
- Steinmann, G. G., et al. Immunopharmacological in vitro effects of *Eleutherococcus senticosus* extracts. *Arzneimittelforschung* 51, n.º 1 (2001): 76-83.
- Szolomicki, J., et al. The influence of active components of *Eleutherococcus senticosus* on cellular defence and physical fitness in man. *Phytother Res* 14, n.º 1 (2000): 30-35.
- Tohda, C., et al. Inhibitory effects of *Eleutherococcus senticosus* extracts on amyloid beta(25-35)- induced neuritic atrophy and synaptic loss. *J Pharmacol Sci* 107, n.º 3 (2008): 329-39.
- Wang, Z., et al. Semipreparative separation and determination of eleutheroside E in *Acanthopanax giraldii* Harms by high-performance liquid chromatography. *J Chromatogr Sci* 43, n.º 5 (2005): 249-52.
- Weigant, F. A., et al. Plant adaptogens increase lifespan and stress resistance in *C. elegans*. *Biogerontology* 10, n.º 1 (2009): 27-42.
- Yi, J. M., et al. Effect of *Acanthopanax senticosus* stem on mast cell-dependent anaphylaxis. *J Ethnopharmacol* 79, n.º 3 (2002): 347-52.
- Yunfei, Deng. *Eleutherococcus humillimus*, a new combination in Chinese Araliaceae. *Novon* 13 (2003): 305-6.

JENGIBRE

- Ahui, M. L., et al. Ginger prevents Th2-mediated immune responses in a mouse model of airway inflammation. *Int Immunopharmacol* 8, n.º 12 (2008): 1626-32.
- Ajith, T. A., et al. *Zingiber officinale* Roscoe prevents acetaminophen-induced acute hepatotoxicity by enhancing hepatic antioxidant status. *Food Chem Toxicol* 45, n.º 11 (2007): 2267-72.
- Altman, R. D., et al. Effects of a ginger extract on knee pain in patients with osteoarthritis. *Arthritis Rheum* 44, n.º 11 (2001): 2531-38.
- Anonymous. Ginger. Herbs at a Glance fact sheet from the U.S. National Center for Complementary and Alternative Medicine, updated July 2010. ginger/.
- Anonymous. Ginger. Profile on the website Herbs2000.com. herbs_ginger.htm (accessed February 9, 2011).
- Anonymous. Ginger. Wikipedia. org/wiki/Ginger (accessed February 9, 2011).
- Benchaluk, T., et al. Effects of *Zingiber officinale* Roscoe on methyl parathion intoxication in rats. *Chinag Mai Med J* 49, n.º 3 (2010): 81-88.
- Bensch, K., et al. Investigations into the antiadhesive activity of herbal extracts against *Campylobacter jejuni*. *Phytother Res* 25, n.º 8 (2011): 1125-32. E-pub (preprint) January 31, 2011.
- Betoni, J. E., et al. Synergism between plant extract and antimicrobial drugs used on *Staphylococcus aureus* diseases. *Mem Inst Oswaldo Cruz* 101, n.º 4 (2006): 387-90.

- Betz, O., *et al.* Is ginger a clinically relevant antiemetic? A systematic review of randomized controlled trials. *Forsch Komplementarmed Klass Naturheilkd* 12, n.° 1 (2005): 14-23.
- Bhat, J., *et al.* In vivo enhancement of natural killer cell activity through tea fortified with Ayurvedic herbs. *Phytother Res* 24, n.° 1 (2010): 129-35.
- Black, C. D., *et al.* Ginger (*Zingiber officinale*) reduces muscle pain caused by eccentric exercise. *J Pain* 11, n.° 9 (2010): 894-903.
- Borrelli, F., *et al.* Effectiveness and safety of ginger in the treatment of pregnancy-induced nausea and vomiting. *Obstet Gynecol* 105, n.° 4 (2005): 849-56.
- Carrasco, F. R., *et al.* Immunomodulatory activity of *Zingiber officinale* Roscoe, *Salvia officinalis* L. and *Syzygium aromaticum* L. essential oils: evidence for humor- and cell-mediated responses. *J Pharm Pharmacol* 61, n.° 7 (2009): 961-67.
- Chen, I. N., *et al.* Antioxidant and antimicrobial activity of Zingiberaceae plants in Taiwan. *Plant Foods Hum Nutr* 63, n.° 1 (2008): 15-20.
- Cwikla, C., *et al.* Investigations into the antibacterial activities of phytotherapeutics against *Helicobacter pylori* and *Campylobacter jejuni*. *Phytother Res* 24, n.° 5 (2010): 649-56.
- Daswani, P. G., *et al.* Anti-diarrhoeal activity of *Zingiber officinale* (Rosc.). *Current Sci* 98, n.° 2 (2010): 222-29.
- Datta, A., *et al.* Antifilarial effect of *Zingiber officinale* on *Dirofilaria immitis*. *J Helminthol* 61, n.° 3 (1987): 268-70.
- Demin, G., *et al.* Comparative antibacterial activities of crude polysaccharides and flavonoids from *Zingiber officinale* and their extraction. *Asian J Trad Med* 5, n.° 6 (2010): 1.
- Denyer, C. V., *et al.* Isolation of antirhinoviral sesquiterpenes from ginger (*Zingiber officinale*). *J Nat Prod* 57, n.° 5 (1994): 658-62.
- Düğenci, S. K., *et al.* Some medicinal plants as immunostimulant for fish. *J Ethnopharmacol* 88, n.° 1 (2003): 99-106.
- Egwurugwa, J. N., *et al.* Effects of ginger (*Zingiber officinale*) on cadmium toxicity. *Afr J Biotechnol* 6, n.° 18 (2007): 2078-82.
- Fischer-Rasmussen, W., *et al.* Ginger treatment of hyperemesis gravidarum. *Eur J Obstet Gynecol Reprod Biol* 38, n.° 1 (1991): 19-24.
- Foster, Steven. Ginger: *Zingiber officinale*—your food is your medicine. Monograph on the website of Steven Foster. education/monograph/ginger2.html (accessed February 9, 2011).
- Gato, C., *et al.* Lethal efficacy of extract from *Zingiber officinale* (traditional Chinese medicine) or [6]-shogaol and [6]-gingerol in *Anisakis* larvae in vitro. *Parasitol Res* 76, n.° 8 (1990): 653-56.
- Gaus, K., *et al.* Standardized ginger (*Zingiber officinale*) extract reduces bacterial load and suppresses acute and chronic inflammation in Mongolian gerbils infected with cagA *Helicobacter pylori*. *Pharm Biol* 47, n.° 1 (2009): 92-98.
- Ginger, C. D. Molecular/biochemical development of new drugs against macro- and microfilariae. *Acta Leiden* 59, n.° 1-2 (1990): 315-28.
- Haghighi, M., *et al.* Comparing the effects of ginger (*Zingiber officinale*) extract and ibuprofen on patients with osteoarthritis. *Arch Iran Med* 8, n.° 4 (2005): 267-71.
- Heeba, G. H., *et al.* Effect of combined administration of ginger (*Zingiber officinale* Roscoe) and atorvastatin on the liver of rats. *Phytomedicine* 17, n.° 14 (2010): 1076-81.
- Imanishi, N., *et al.* Macrophage-mediated inhibitory effect of *Zingiber officinale* Rosc, a traditional Oriental herbal medicine, on the growth of influenza A/Aichi/2/68 virus. *Am J Clin Med* 34, n.° 1 (2006): 157-69.
- Immanuel, G., *et al.* Dietary medicinal plant extracts improve growth, immune activity and survival of tilapia *Oreochromis mossambicus*. *J Fish Biol* 74, n.° 7 (2009): 1462-75.
- Iqbal, Z., *et al.* In vitro anthelmintic activity of *Allium sativum*, *Zingiber officinale*, *Cucurbita mexicana* and *Ficus religiosa*. *Int J Agr Biol* 3, n.° 4 (2001).
- Iqbal, Z., *et al.* In vivo anthelmintic activity of ginger against gastrointestinal nematodes of sheep. *J Ethnopharmacol* 106, n.° 2 (2006): 285-87.
- Iwami, M., *et al.* Inhibitory effects of zingerone, a pungent component of *Zingiber officinale* Roscoe, on colonic motility in rats. *J Nat Med* 65, n.° 1 (2011): 89-94.

- Jagetia, G. C., *et al.* Influence of ginger rhizome (*Zingiber officinale* Rosc) on survival, glutathione and lipid peroxidation in mice after whole-body exposure to gamma radiation. *Radiat Res* 160, n.º 5 (2003): 584-92.
- Khan, R., *et al.* Activity of solvent extracts of *Prosopis spicigera*, *Zingiber officinale* and *Trachyspermum ammi* against multidrug resistant bacterial and fungal. *J Infect Dev Ctries* 4, n.º 5 (2010): 292-300.
- Koh, E. M., *et al.* Modulation of macrophage functions by compounds isolated from *Zingiber officinale*. *Planta Med* 75, n.º 2 (2009): 148-51.
- Lakshmi, B. V., *et al.* Attenuation of acute and chronic restraint stress-induced perturbations in experimental animals by *Zingiber officinale* Roscoe. *Food Chem Toxicol* 48, n.º 2 (2010): 530-35.
- Lans, Cheryl. Ethnoveterinary medicines used to treat endoparasites and stomach problems in pigs and pets in British Columbia, Canada. *Vet Parasitol* 148, n.º 3-4 (2007): 325-40.
- Lee, S., *et al.* Liquid chromatographic determination of 6-, 8-, 10-gingerol and 6-shogaol in ginger (*Zingiber officinale*) as the raw herb and dried aqueous extract. *JAOAC Int* 90, n.º 5 (2007): 1219-26.
- Lin, R. J., *et al.* Larvicidal activities of ginger (*Zingiber officinale*) against *Angiostrongylus cantonensis*. *Acta Trop* 115, n.º 1-2 (2010): 69-76.
- Lin, R. J., *et al.* Larvicidal constituents of *Zingiber officinale* (ginger) against *Anisakis simplex*. *Plant Med* 76, n.º 16 (2010): 1852-58.
- Lopez, P., *et al.* Solid- and vapor-phase antimicrobial activities of six essential oils: susceptibility of selected foodborne bacterial and fungal strains.
- J Agric Food Chem* 53, n.º 17 (2005): 6939-46. Maghsoudi, S., *et al.* Preventive effect of ginger (*Zingiber officinale*) pretreatment on renal ischemia-reperfusion in rats. *Eur Surg Res* 46, n.º 1 (2011): 45-51.
- Mahady, G. B., *et al.* Ginger (*Zingiber officinale* Roscoe) and the gingerols inhibit the growth of Cag A+ strains of *Helicobacter pylori*. *Anticancer Res* 23, n.º 5A (2003): 3699-702.
- Malu, S. P., *et al.* Antibacterial activity and medicinal properties of ginger (*Zingiber officinale*). *Global J Pure Applied Sci* 15, n.º 3 (2009): 365-68.
- Masoud, H., *et al.* Comparing the effects of ginger (*Zingiber officinale*) extract and ibuprofen on patients with osteoarthritis. *Arch Iran Med* 8, n.º 4 (2005): 267-71.
- Merawin, L. T., *et al.* Screening of microfilaricidal effects of plant extracts against *Dirofilaria immitis*. *Res Vet Sci* 88, n.º 1 (2010): 142-47.
- Nagoshi, C., *et al.* Synergistic effect of [10]-gingerol and aminoglycosides against vancomycin-resistant enterococci (VRE). *Biol Pharm Bull* 29, n.º 3 (2006): 443-47.
- Nanjundaiah, S. M., *et al.* Gastroprotective effect of ginger rhizome (*Zingiber officinale*) extract: role of gallic acid and cinnamic acid in H⁺, K⁺-ATPase/H. pylori inhibition and anti-oxidative mechanism. *Evid Based Complement Alternat Med*, n.º 249487 (2011). E-pub (preprint) July 1, 2009. doi:10.1093/ecam/nep060.
- Nogueira de Melo, G. A., *et al.* Inhibitory effects of ginger (*Zingiber officinale* Roscoe) essential oil on leukocyte migration in vivo and in vitro. *J Nat Med* 65, n.º 1 (2011): 241-46.
- Nya, E. J., *et al.* Use of dietary ginger, *Zingiber officinale* Roscoe, as an immunostimulant to control *Aeromonas hydrophila* infections in rainbow trout, *Oncorhynchus mykiss* (Walbaum). *J Fish Dis* 32, n.º 11 (2009): 971-77.
- Park, K. J. Evaluation of in vitro antiviral activity in methanol extracts against influenza virus type A from Korean medicinal plants. *Phytother Res* 17, n.º 9 (2003): 1059-63.
- Park, K. J., *et al.* In vitro antiviral activity of aqueous extracts from Korean medicinal plants against influenza virus type A. *J Microbiol Biotechnol* 15, n.º 5 (2005): 924-29.
- Park, M., *et al.* Antibacterial activity of [10]-gingerol and [12]-gingerol isolated from ginger rhizome against periodontal bacteria. *Phytother Res* 22, n.º 11 (2008): 1446-49.
- Presser, Art. Ginger. Fact sheet in the Smart Supplementation series. Knoxville, Tenn.: Huntington College of Health Sciences, 2001.
- Raji, Y., *et al.* Anti-inflammatory and analgesic properties of the rhizome extract of *Zingiber officinale*. *Afr J Biomed Res* 5 (2002): 121-24.
- Reinhard, G., *et al.* Ginger—an herbal medicinal product with broad anti-inflammatory actions. *J Med Food* 8, n.º 2 (2005): 125.

- Sabul, B., *et al.* Caryophyllene-rich rhizome oil of *Zingiber nimmonii* from South India: chemical characterization and antimicrobial activity. *Phytochemistry* 67, n.º 22 (2006): 2469-73.
- Sasikumar, B., *et al.* *Ginger*. Extension pamphlet. Calicut, Kerala: Indian Institute of Spices Research, October 2008. pdf/package/ginger.pdf.
- Sephavand, R., *et al.* Ginger (*Zingiber officinale* Roscoe) elicits antinociceptive properties and potentiates morphine-induced analgesia in the rat radiant heat tail-flick test. *J Med Food* 13, n.º 6 (2010): 1397-401.
- Sharma, A., *et al.* Antibacterial activity of medicinal plants against pathogens causing complicated urinary tract infections. *Indian J Pharm Sci* 71, n.º 2 (2009): 136-39.
- Shivanand, D. J., *et al.* Fresh organically grown ginger (*Zingiber officinale*): composition and effects on LPS-induced PGE2 production. *Phytochemistry* 65 (2004): 1937-54.
- Shukla, Y., *et al.* Cancer preventive properties of ginger: a brief review. *Food Chem Toxicol* 45, n.º 5 (2007): 683-90.
- Singh, G., *et al.* Chemistry, antioxidant and antimicrobial investigations on essential oil and oleoresins of *Zingiber officinale*. *Food Chem Toxicol* 46, n.º 10 (2008): 3295-302.
- Sookkongwaree, K., *et al.* Inhibition of viral proteases by Zingiberaceae extracts and flavones isolated from *Kaempferia parviflora*. *Pharmazie* 61, n.º 8 (2006): 717-21.
- Srivastava, K. C., *et al.* Ginger (*Zingiber officinale*) in rheumatism and musculoskeletal disorders. *Med Hypotheses* 39, n.º 4 (1992): 342-48.
- Stephens, James M. *Ginger*—*Zingiber officinale* Roscoe. Publication HS600 from the Horticultural Sciences Department, Florida Cooperative Extension Service, Institute of Food and Agricultural Sciences, University of Florida, May 1994 (reviewed March 2009). ifas.ufl.edu/pdffiles/MV/MV06700.pdf.
- Tan, B. K., *et al.* Immunomodulatory and antimicrobial effects of some traditional Chinese medicinal herbs: a review. *Curr Med Chem* 11, n.º 11 (2004): 1423-30.
- Thongson, C., *et al.* Antimicrobial effect of Thai spices against *Listeria monocytogenes* and *Salmonella typhimurium* CT104. *J Food Prot* 68, n.º 10 (2005): 2054-58.
- Ueda, H., *et al.* Repeated oral administration of a squeezed ginger (*Zingiber officinale*) extract augmented the serum corticosterone level and had anti-inflammatory properties. *Biosci Biotechnol Biochem* 74, n.º 11 (2010): 2248-52.
- Van Breemen, R. B., *et al.* Cyclooxygenase-2 inhibitors in ginger (*Zingiber officinale*). *Fitoterapia* 82, n.º 1 (2011): 38-43.
- Wang, H. M., *et al.* *Zingiber officinale* (ginger) compounds have tetracycline-resistance modifying effects against clinical extensively drug-resistant *Acinetobacter baumannii*. *Phytother Res* 24, n.º 12 (2010): 1825-30.
- Wang, X., *et al.* Anti-influenza agents from plants and traditional Chinese medicine. *Phytother Res* 20, n.º 5 (2006): 335-41.
- Wattanathorn, J., *et al.* *Zingiber officinale* mitigates brain damage and improves memory impairment in focal cerebral ischemic rat. *Evid Based Complement Alternat Med*, n.º 429505 (2011). doi:10.1155/2011/429505.
- Yip, Y. B., *et al.* An experimental study on the effectiveness of massage with aromatic ginger and orange essential oil for moderate-to-severe knee pain among the elderly in Hong Kong. *Complement Ther Med* 16, n.º 3 (2008): 131-38.
- Zhou, H. L., *et al.* The modulatory effects of the volatile oil of ginger on the cellular immune response in vitro and in vivo in mice. *J Ethnopharmacol* 105, n.º 1-2 (2006): 301-5.
- Zick, S. M., *et al.* Quantitation of 6-, 8- and 10-gingerols and 6-shogaol in human plasma by high-performance liquid chromatography with electrochemical detection. *Int J Biomed* 6, n.º 3 (2010): 233-40.

MIEL

- Abdelatif M., *et al.* Safety and efficacy of a new honey ointment on diabetic foot ulcers: a prospective pilot study. *J Wound Care* 17, n.º 3 (2008): 108-10.

- Acton, C. Medihoney: a complete wound bed preparation product. *Br J Nurs* 17, n.º 11 (2008): S44, S46-48.
- Adams, C. J., *et al.* Isolation by HPLC and characterization of the bioactive fraction of New Zealand manuka (*Leptospermum scoparium*) honey. *Carbohydr Res* 343, n.º 4 (2008): 651-59.
- Ahmed, A. K., *et al.* Honey-medicated dressing: transformation of an ancient remedy into modern therapy. *Ann Plast Surg* 50, n.º 2 (2003): 143-47.
- Alandejani, T., *et al.* Effectiveness of honey on *Staphylococcus aureus* and *Pseudomonas aeruginosa* biofilms. *Otolaryngol Head Neck Surg* 141, n.º 1 (2009): 114-18.
- Alvarez-Suarez, J. M., *et al.* Antioxidant and antimicrobial capacity of several monofloral Cuban honeys and their correlation with color, polyphenol content and other chemical compounds. *Food Chem Toxicol* 48, n.º 8-9 (2010): 2490-99.
- Alese, O. B., *et al.* Pyoderma gangrenosum and ulcerative colitis in the tropics. *Rev Soc Bras Med Trop* 41, n.º 6 (2008): 664-67.
- Al-Jabri, A. A., *et al.* Antibacterial activity of Omani honey alone and in combination with gentamicin. *Saudi Med J* 26, n.º 5 (2005): 767-71.
- Al-Jabri, A. A., *et al.* In vitro antibacterial activity of Omani and African honey. *Br J Biomed Sci* 60, n.º 1 (2003): 1-4.
- Al-Waili, N. S. The antimicrobial potential of honey from United Arab Emirates on some microbial isolates. *Med Sci Monit* 11, n.º 12 (2005): BR433-38.
- . Identification of nitric oxide metabolites in various honeys: effect of intravenous honey on plasma and urinary nitric oxide metabolites concentrations. *J Med Food* 6, n.º 4 (2003): 359-64.
- . Investigating the antimicrobial activity of natural honey and its effects on the pathogenic bacterial infections of surgical wounds and conjunctiva. *J Med Food* 7, n.º 2 (2004): 210-22.
- . Mixture of honey, beeswax and olive oil inhibits growth of *Staphylococcus aureus* and *Candida albicans*. *Arch Med Res* 36, n.º 1 (2005): 10-13.
- . Therapeutic and prophylactic effects of crude honey on chronic seborrheic dermatitis and dandruff. *Eur J Med Res* 6, n.º 7 (2001): 306-8.
- . Topical honey application vs. acyclovir for the treatment of recurrent herpes simplex lesions. *Med Sci Monit* 10, n.º 8 (2004): MT94-98.
- Armstrong, D. G. Manuka honey improved wound healing in patients with sloughy venous leg ulcers. *Evid Based Med* 14, n.º 5 (2009): 148.
- Asadi-Pooya, A. A., *et al.* The antimycobacterial effect of honey: an in vitro study. *Riv Biol* 96, n.º 3 (2003): 491-95.
- Attia, W. Y., *et al.* The anti-tumor effect of bee honey in Ehrlich ascite tumor model of mice is coincided with stimulation of the immune cells. *Egypt J Immunol* 15, n.º 2 (2008): 169-83.
- Aysan, E., *et al.* The role of intra-peritoneal honey administration in preventing post-operative peritoneal adhesions. *Eur J Obstet Gynecol Reprod Biol* 104, n.º 2 (2002): 152-55.
- Ayyildiz, A., *et al.* Intraurethral honey application for urethral injury: an experimental study. *Int Urol Nephrol* 39, n.º 3 (2007): 815-21.
- Badawy, O. F., *et al.* Antibacterial activity of bee honey and its therapeutic usefulness against *Escherichia coli* O157:H7 and *Salmonella typhimurium* infection. *Rev Sci Tech* 23, n.º 3 (2004): 1011-22.
- Baghel, P. S., *et al.* A comparative study to evaluate the effect of honey dressing and silver sulfadiazine dressing on wound healing in burn patients. *Indian J Plast Surg* 42, n.º 2 (2009): 176-81.
- Bang, L. M., *et al.* The effect of dilution on the rate of hydrogen peroxide production in honey and its implications for wound healing. *J Altern Complement Med* 9, n.º 2 (2003): 267-73.
- Bansal, V., *et al.* Honey—a remedy rediscovered and its therapeutic utility. *Kathmandu Univ Med J (KUMJ)* 3, n.º 3 (2005): 305-9.
- Bardy, J., *et al.* A systematic review of honey uses and its potential value within oncology care. *J Clin Nurs* 17, n.º 19 (2008): 2604-23.
- Basson, N. J., *et al.* Antimicrobial activity of two South African honeys produced from indigenous *Leucospermum cordifolium* and *Erica* species on selected micro-organisms. *BMC Complement Altern Med* 15, n.º 8 (2008): 41.

- Basualdo, C., *et al.* Comparison of the antibacterial activity of honey from different provenance against bacteria usually isolated from skin wounds. *Vet Microbiol* 124, n.° 3-4 (2007): 375-81.
- Bell, S. G. The therapeutic use of honey. *Neonatal Netw* 26, n.° 4 (2007): 247-51.
- Beretta, G., *et al.* Quinoline alkaloids in honey: further analytical (HPLC-DAD-ESI-MS, multidimensional diffusion-ordered NMR spectroscopy), theoretical and chemometric studies. *J J Pharm Bio-med Anal* 50, n.° 3 (2009): 432-39.
- Betty, J. The clinical application of honey in wound care. *Nurs Times* 104, n.° 14 (2008): 43-44.
- Bittman, S., *et al.* Does honey have a role in paediatric wound management? *Br J Nurs* 19, n.° 15 (2010): S19-24 *passim*.
- Blair, S. E., *et al.* The unusual antibacterial activity of medical-grade *Leptospermum* honey: antibacterial spectrum, resistance and transcriptome analysis. *Eur J Microbiol Infect Dis* 28, n.° 10 (2009): 1199-208.
- Blaser, G., *et al.* Effect of medical honey on wounds colonized or infected with MRSA. *J Wound Care* 16, n.° 8 (2007): 325-28.
- Boorn, K. L., *et al.* Antimicrobial activity of honey from the stingless bee *Trigona carbonaria* determined by agar diffusion, agar dilution, broth microdilution and time-kill methodology. *J Appl Microbiol* 108, n.° 5 (2010): 1534-43.
- Boukraâ, L., *et al.* Additive action of honey and starch against *Candida albicans* and *Aspergillus niger*. *Rev Iberoam Micol* 24, n.° 4 (2007): 309-11.
- Boukraâ, L., *et al.* Additive activity of royal jelly and honey against *Pseudomonas aeruginosa*. *Altern Med Rev* 13, n.° 4 (2008): 330-33.
- Boukraâ, L., *et al.* Honey use in burn management: potentials and limitations. *Forsch Komplementmed* 17, n.° 2 (2010): 74-80.
- Boukraâ, L., *et al.* Rediscovering the antibiotics of the hive. *Recent Pat Antiinfect Drug Discov* 4, n.° 3 (2009): 206-13.
- Boukraâ, L., *et al.* Sahara honey shows higher potency against *Pseudomonas aeruginosa* compared to north Algerian types of honey. *J Med Food* 10, n.° 4 (2007): 712-14.
- Boukraâ, L., *et al.* Synergistic action of starch and honey against *Aspergillus niger* in correlation with diastase number. *Mycoses* 51, n.° 6 (2008): 520-22.
- Boukraâ, L., *et al.* Synergistic action of starch and honey against *Pseudomonas aeruginosa* in correlation with diastase number. *J Altern Complement Med* 14, n.° 2 (2008): 181-84.
- Chambers, J. Topical manuka honey for MRSA- contaminated skin ulcers. *Palliat Med* 20, n.° 5 (2006): 557.
- Chang, J., *et al.* The use of honey for wound care management: a traditional remedy revisited. *Home Healthc Nurse* 27, n.° 5 (2009): 308-16.
- Chernev, I., *et al.* Combined noncontact, low- frequency ultrasound and medical honey for the treatment of chronic wounds: a case series. *J Wound Ostomy Continence Nurs* 37, n.° 4 (2010): 421-25. E-pub (preprint) 2010.
- Cooper, R. Honey in wound care: antibacterial properties. *GMS Krankenhhyg Interdiszip* 2, n.° 2 (2007): doc. 51.
- Cooper, R. Using honey to inhibit wound pathogens. *Nurs Times* 104, n.° 3 (2008): 46, 48-49.
- Cooper, R. A., *et al.* Absence of bacterial resistance to medical-grade manuka honey. *Eur J Microbiol Infect Dis* 29, n.° 10 (2010): 1237-41.
- Cooper, R. A., *et al.* Antibacterial activity of honey against strains of *Staphylococcus aureus* from infected wounds. *J Royal Soc Med* 92 (1999): 283-85.
- Cooper, R. A., *et al.* The efficacy of honey in inhibiting strains of *Pseudomonas aeruginosa* from infected burns. *J Burn Care Rehabil* 23, n.° 6 (2002): 366-70.
- Cooper, R. A., *et al.* Honey, health and longevity. *Curr Aging Sci* 3, n.° 3 (2010): 239-41. E-pub (preprint) 2010.
- Cooper, R. A., *et al.* The sensitivity to honey of Gram-positive cocci of clinical significance isolated from wounds. *J Appl Microbiol* 93, n.° 5 (2002): 857-63.
- Cutting, K. F. Honey and contemporary wound care: an overview. *Ostomy Wound Manage* 53, n.° 11 (2007): 49-54.

- Dai, T., *et al.* Topical antimicrobials for burn wound infections. *Recent Pat Antiinfect Drug Discov* 5, n.º 2 (2010): 124-51.
- Dunford, C. The use of honey-derived dressings to promote effective wound management. *Prof Nurse* 20, n.º 8 (2005): 35-38.
- Dunwoody, G., *et al.* The use of medical grade honey in clinical practice. *Br J Nurs* 17, n.º 20 (2008): S38-44.
- Eddy, J. J., *et al.* Practical consideration of using topical honey for neuropathic diabetic foot ulcers: a review. *WMI* 107, n.º 4 (2008): 187-90.
- Emsen, M. A different and safe method of split thickness skin graft fixation: medical honey application. *Burns* 33, n.º 6 (2007): 782-87.
- English, H. K., *et al.* The effect of manuka honey on plaque and gingivitis: a pilot study. *J Int Acad Periodontol* 6, n.º 2 (2004): 63-67.
- Ergul, E., *et al.* The effect of honey on the intestinal anastomotic wound healing in rats with obstructive jaundice. *Bratisl Lek Listy* 111, n.º 5 (2010): 265-70.
- Estevinho, L., *et al.* Antioxidant and antimicrobial effects of phenolic compounds extracts of northeast Portugal honey. *Food Chem Toxicol* 46, n.º 12 (2008): 3774-79.
- Estrada, H., *et al.* Evaluation of the antimicrobial action of honey against *Staphylococcus aureus*, *Staphylococcus epidermidis*, *Pseudomonas aeruginosa*, *Escherichia coli*, *Salmonella enteritidis*, *Listeria monocytogenes* and *Aspergillus niger*. Evaluation of its microbiological charge. *Arch Latinoam Nutr* 55, n.º 2 (2005): 167-71.
- Eyarefe, O. D., *et al.* Small bowel responses to enteral honey and glutamine administration following massive small bowel resection in rabbit. *Afr J Med Sci* 37, n.º 4 (2008): 309-14.
- Fangio, M. F., *et al.* Antimicrobial activity of honey the southeast of Buenos Aires Province against *Escherichia coli*. *Rev Argent Microbiol* 39, n.º 2 (2007): 120-23.
- French, V. M., *et al.* The antibacterial activity of honey against coagulase-negative staphylococci. *J Antimicrob Chemother* 56, n.º 1 (2005): 228-31.
- Genacias-Acuna, E. F. Active *Leptospermum* honey and negative pressure wound therapy for nonhealing postsurgical wounds. *Ostomy Wound Manage* 56, n.º 3 (2010): 10-12.
- Gethin, G., *et al.* Bacteriological changes in sloughy venous leg ulcers treated with manuka honey or hydrogel: an RCT. *J Wound Care* 17, n.º 6 (2008): 241-44, 246-47.
- Gethin, G., *et al.* Case series of use of manuka honey in leg ulceration. *Int Wound J* 2, n.º 1 (2005): 10-15.
- Gethin, G., *et al.* Manuka honey vs. hydrogel—a prospective, open label, multicentre, randomized controlled trial to compare desloughing efficacy and healing outcomes in venous ulcers. *J Clin Nurs* 18, n.º 3 (2009): 466-74.
- Gethin, G. T., *et al.* The impact of manuka honey dressings on the surface pH of chronic wounds. *Int Wound J* 5, n.º 2 (2008): 185-94.
- Gollu, A., *et al.* Effect of honey on intestinal morphology, intraabdominal adhesions and anastomotic healing. *Phytother Res* 22, n.º 9 (2008): 1243-47.
- Gottrup, F., *et al.* Current management of wound healing. *G Ital Dermatol Venereol* 144, n.º 3 (2009): 217-28.
- Gupta, A. K., *et al.* Role of antifungal agents in the treatment of seborrheic dermatitis. *Am J Clin Dermatol* 5, n.º 6 (2004): 417-22.
- Gurdal, M., *et al.* Predisposing factors and treatment outcome in Fournier's gangrene. Analysis of 28 cases. *Urol Int* 70, n.º 4 (2003): 286-90.
- Hashemi B., *et al.* Comparison between topical honey and mafenide acetate in treatment of auricular burn. *Am J Otolaryngol* 32, n.º 1 (2011): 28-31. E-pub (preprint) November 24, 2009.
- Hendrickson, M. A. Utilizing active *Leptospermum* honey dressings in the treatment of cutaneous small-vessel vasculitis. *Ostomy Wound Manage* 56, n.º 4 (2010): 10-12.
- Henriques A., *et al.* Free radical production and quenching in honeys with wound healing potential. *J Antimicrob Chemother* 58, n.º 4 (2006): 773-77.
- Henriques A. F., *et al.* The intracellular effects of manuka honey on *Staphylococcus aureus*. *Eur J Clin Microbiol Infect Dis* 29, n.º 1 (2010): 45-50.

- Heppermann, B. Towards evidence based emergency medicine: Best BETs from the Manchester Royal Infirmary. Bet 3. Honey for the symptomatic relief of cough in children with upper respiratory tract infections. *Emerg Med J* 26, n.° 7 (2009): 522-23.
- Holzgreve, H. Honey is better than aciclovir in herpes. *MMW Fortschr Med* 147, n.° 3 (2005): 18.
- Hon, J. Using honey to heal a chronic wound in a patient with epidermolysis bullosa. *Br J Nurs* 14, n.° 19 (2005): S4-10 passim.
- Iftikhar F., et al. Effects of acacia honey on wound healing in various rat models. *Phytother Res* 24, n.° 4 (2010): 583-86.
- Ingle, R., et al. Wound healing with honey — a randomised controlled trial. *S Afr Med J* 96, n.° 9 (2006): 831-35.
- Irish, J., et al. Antibacterial activity of honey from the Australian stingless bee *Trigona carbonaria*. *Int J Antimicrob Agents* 32, n.° 1 (2008): 89-90.
- Irish, J., et al. Honey has an antifungal effect against *Candida* species. *Med Mycol* 44, n.° 3 (2006): 289-91.
- Johnson, D. W., et al. The honeypot study of protocol: a randomized controlled trial of exit-site application of Medihoney antibacterial wound gel for the prevention of catheter-associated infections in peritoneal dialysis patients. *Perit Dial Int* 29, n.° 3 (2009): 303-9.
- Jull, A., et al. Randomized clinical trial of honey-impregnated dressings for venous leg ulcers. *Br J Surg* 95, n.° 2 (2008): 175-82.
- Jull, A. B., et al. Honey as a topical treatment of wounds. *Cochrane Database Syst Rev* 8, n.° 4 (2008): CD005083.
- Khan, F. R., et al. Honey: nutritional and medicinal value. *Int J Clin Pract* 61, n.° 10 (2007): 1705-7.
- Khanal, B., et al. Effect of topical honey on limitation of radiation-induced oral mucositis: an intervention study. *Int J Oral Maxillofac Surg* 39, n.° 12 (2010): 1181-85. E-pub (preprint) September 15, 2010.
- Khoo, Y. T., et al. Wound contraction effects and antibacterial properties of tualang honey on full-thickness burn wounds in rats in comparison to hydrofibre. *BMC Complement Altern Med* 10 (2010): 48.
- Kiefer, S., et al. (E,Z)-3-(3',5'-dimethoxy-4'-hydroxy-benzylidene)-2-indolinone blocks mast cell degranulation. *Eur J Pharm Sci* 40, n.° 2 (2010): 143-47.
- Koc, A. N., et al. Antifungal activity of Turkish honey against *Candida* spp. and *Trichosporon* spp: an in vitro evaluation. *Med Mycol* 47, n.° 7 (2009): 707-12.
- Kwakman, P. H., et al. How honey kills bacteria. *FASEB J* 24, n.° 7 (2010): 2576-82.
- Kwakman, P. H., et al. Medical-grade honey enriched with antimicrobial peptides has enhanced activity against antibiotic-resistant pathogens. *Eur J Clin Microbiol Infect Dis* 30, n.° 2 (2011): 251-57. E-pub (preprint) October 7, 2010.
- Kwakman, P. H., et al. Medical-grade honey kills antibiotic-resistant bacteria in vitro and eradicates skin colonization. *Clin Infect Dis* 46, n.° 11 (2008): 1677-82.
- Langemo, D. K., et al. Use of honey for wound healing. *Adv Skin Wound Care* 22, n.° 3 (2009): 113-18.
- Lay-flurrie, K. Honey in wound care: effects, clinical application and patient benefit. *Br J Nurs* 17, n.° 11 (2008): S30, S32-36.
- Lotfy, M., et al. Combined use of honey, bee propolis and myrrh in healing a deep, infected wound in a patient with diabetes mellitus. *Br J Biomed* 63, n.° 4 (2006): 171-73.
- Lusby, P. E., et al. Bactericidal activity of different honeys against pathogenic bacteria. *Arch Med Res* 36, n.° 5 (2005): 464-67.
- Lusby, P. E., et al. A comparison of wound healing following treatment with *Lavandula x allardii* honey or essential oil. *Phytother Res* 20, n.° 9 (2006): 755-57.
- Maeda, Y., et al. Antibacterial activity of honey against community-associated methicillin-resistant *Staphylococcus aureus* (CA-MRSA). *Complement Ther Clin Pract* 14, n.° 2 (2008): 77-82.
- Majtán, J. Apitherapy—the role of honey in the chronic wound healing process. *Epidemiol Mikrobiol Immunol* 58, n.° 3 (2009): 137-40.

- Majtan, J., *et al.* Effect of honey and its major royal jelly protein 1 on cytokine and MMP-9 mRNA transcripts in human keratinocytes. *Exp Dermatol* 19, n.º 8 (2010): e73-79.
- Majtan, J., *et al.* Honeydew honey as a potent antibacterial agent in eradication of multi-drug resistant *Stenotrophomonas maltophilia* isolates from cancer patients. *Phytother Res* 25, n.º 4 (2011): 584-87. E-pub (preprint) September 29, 2010.
- Majtan, J., *et al.* Is manuka honey the best type of honey for wound care? *J Hosp Infect* 74, n.º 3 (2010): 305-6.
- Makhdoom, A., *et al.* Management of diabetic foot by natural honey. *J Ayub Med Coll Abbottabad* 21, n.º 1 (2009): 103-5.
- Martos, I., *et al.* Flavonoids in monospecific eucalyptus honeys from Australia. *J Agric Food Chem* 48, n.º 10 (2000): 4744-48.
- Mavric, E., *et al.* Identification and quantification of methylglyoxal as the dominant antibacterial constituent of manuka (*Leptospermum scoparium*) honeys from New Zealand. *Mol Nutr Food Res* 52, n.º 4 (2008): 483-89.
- McIntosh, C. D., *et al.* Honey dressing versus paraffin tulle gras following toenail surgery. *J Wound Care* 15, n.º 3 (2006): 133-36.
- Mercan, N., *et al.* Antimicrobial activity and pollen composition of honey samples collected from different provinces in Turkey. *Nat Prod Res* 21, n.º 3 (2007): 187-95.
- Merckoll, P., *et al.* Bacteria, biofilm and honey: a study of the effects of honey on «planktonic» and biofilm-embedded chronic wound bacteria. *Scand J Infect Dis* 41, n.º 5 (2009): 341-47.
- Miorin, P. L., *et al.* Antibacterial activity of honey and propolis from *Apis mellifera* and *Tetragonisca angustula* against *Staphylococcus aureus*. *J Appl Microbiol* 95, n.º 5 (2003): 913-20.
- Misirliglu, A., *et al.* Use of honey as an adjunct in the healing of split-thickness skin graft donor site. *Dermatol Surg* 29, n.º 2 (2003): 168-72.
- Moghazy, A. M., *et al.* The clinical and cost effectiveness of bee honey dressing in the treatment of diabetic foot ulcers. *Diabetes Res Clin Pract* 89, n.º 3 (2010): 276-81.
- Molan, P. C. The evidence supporting the use of honey as a wound dressing. *Int J Low Extrem Wounds* 5, n.º 1 (2006): 40-54.
- Molan, P. C., *et al.* Using honey to heal diabetic foot ulcers. *Adv Skin Wound Care* 21, n.º 7 (2008): 313-16.
- Moolanaar, M., *et al.* The effect of honey compared to conventional treatment on healing of radiotherapy-induced skin toxicity in breast cancer patients. *Acta Oncol* 45, n.º 5 (2006): 623-24.
- Motallebnejad, M., *et al.* The effect of topical application of pure honey on radiation-induced mucositis: a randomized clinical trial. *J Contemp Dent Pract* 9, n.º 3 (2008): 40-47.
- Mphande A. N., *et al.* Effects of honey and sugar dressings on wound healing. *J Wound Care* 16, n.º 7 (2007): 317-19.
- Mullai, V., *et al.* Bactericidal activity of different types of honey against clinical and environmental isolates of *Pseudomonas aeruginosa*. *J Altern Complement Med* 13, n.º 4 (2007): 439-41.
- Mundo, M. A., *et al.* Growth inhibition of foodborne pathogens and food spoilage organisms by select raw honeys. *Int J Food Microbiol* 97, n.º 1 (2004): 1-8.
- Namias, N. Honey in the management of infections. *Surg Infect (Larchmont)* 4, n.º 2 (2003): 219-26.
- Nasir, N. A., *et al.* Antibacterial properties of tualang honey and its effect in burn wound management: a comparative study. *BMC Complement Altern Med* 10 (2010): 31.
- Natarajan, S., *et al.* Healing of an MRSA-colonized, hydroxyurea-induced leg ulcer with honey. *J Dermatol Treat* 12, n.º 1 (2001): 33-36.
- Ndayisaba, G., *et al.* Treatment of wounds with honey. 40 cases. *Presse Med* 21, n.º 32 (1992): 1516-18.
- Oduwole, O., *et al.* Honey for acute cough in children. *Cochrane Database Syst Rev* 20, n.º 1 (2010): CD007094.
- Okeniyi, J. A., *et al.* Comparison of healing of incised abscess wounds with honey and EUSOL dressing. *J Altern Complement Med* 11, n.º 3 (2005): 511-13.
- Oladejo, O. W., *et al.* A comparative study of the wound healing properties of honey and *Ageratum conyzoides*. *Afr J Med Sci* 32, n.º 2 (2003): 193-96.

- Olaitan, P. B., *et al.* Honey: a reservoir for microorganisms and an inhibitory agent for microbes. *Afr Health Sci* 7, n.º 3 (2007): 159-65.
- Osuagwu, F. C., *et al.* Enhanced wound contraction in fresh wounds dressed with honey in Wistar rats (*Rattus norvegicus*). *West Afr J Med* 23, n.º 2 (2004): 114-18.
- Ousey, K., *et al.* Topical antimicrobial agents for the treatment of chronic wounds. *Br J Community Nurs* 14, n.º 9 (2009): S6-10 passim.
- Panknin, H. T. Wound management with medicinal honey: an effective alternative to antiseptics especially in young children. *Kinderkrankenschwester* 28, n.º 1 (2009): 29-30.
- Patton, T., *et al.* Use of a spectrophotometric bioassay for determination of microbial sensitivity to manuka honey. *J Microbiol Methods* 64, n.º 1 (2006): 84-95.
- Paul, I. M., *et al.* Effect of honey, dextromethorphan, and no treatment on nocturnal cough and sleep quality for coughing children and their parents. *Arch Pediatr Adolesc Med* 161, n.º 12 (2007): 1140-46.
- Pieper, B. Honey-based dressings and wound care: an option for care in the United States. *J Wound Ostomy Continence Nurs* 36, n.º 1 (2009): 60-66; quiz 67-68.
- Rashad, U. M., *et al.* Honey as topical prophylaxis against radiochemotherapy-induced mucositis in head and neck cancer. *J Laryngol* 123, n.º 2 (2009): 223-28.
- Robson, V., *et al.* Standardized antibacterial honey (Medihoney) with standard therapy in wound care: randomized clinical trial. *J Adv Nurs* 65, n.º 3 (2009): 565-75.
- Robson, V., *et al.* Using leptospermum honey to manage wounds impaired by radiotherapy: a case series. *Ostomy Wound Manage* 55, n.º 1 (2009): 38-47.
- Rossiter, K., *et al.* Honey promotes angiogenic activity in the rat aortic ring assay. *J Wound Care* 19, n.º 10 (2010): 440, 442-46.
- Rudzka-Nowak, A., *et al.* Application of manuka honey and GENADYNE A4 negative pressure wound therapy system in a 55-year old woman with extensive phlegmonous and necrotic lesions in the abdominal integuments and lumbar region after traumatic rupture of the colon. *Med Sci Monit* 16, n.º 11 (2010): CS138-42.
- Saber, A. Effect of honey versus intergel in intraperitoneal adhesion prevention and colonic anastomotic healing: a randomized controlled study in rats. *Int J Surg* 8, n.º 2 (2010): 121-27.
- Salomon, D., *et al.* Honey: from Noe to wound care. *Rev Med Suisse* 6, n.º 246 (2010): 871-74.
- Sare, J. L. Leg ulcer management with topical medical honey. *Br J Community Nurs* 13, n.º 9 (2008): S22-26 passim.
- Sayad, S. M., *et al.* Immune defense of rats immunized with fennel honey, propolis, and bee venom against staphylococcal infection. *J Med Food* 12, n.º 3 (2009): 569-75.
- Schumacher, H. H. Use of medical honey in patients with chronic venous leg ulcers after split-skin grafting. *J Wound Care* 13, n.º 10 (2004): 451-52.
- Shadkam, M. N., *et al.* A comparison of the effect of honey, dextromethorphan, and diphenhydramine on nightly cough and sleep quality in children and their parents. *J Altern Complement Med* 16, n.º 7 (2010): 787-93.
- Sharp, A. Beneficial effects of honey dressings in wound management. *Nurs Stand* 24, n.º 7 (2009): 66-72 passim.
- Shukrimi, A., *et al.* A comparative study between honey and povidone iodine as dressing solution for Wagner type II diabetic foot ulcers. *Med J Malaysia* 63, n.º 1 (2008): 44-46.
- Simon, A., *et al.* Antibacterial honey (Medihoney) for wound care of immunocompromised pediatric oncology patients. *GMS Krankenhyg Interdiszip* 1, n.º 1 (2006): doc. 18.
- Simon, A., *et al.* Wound care with antibacterial honey (Medihoney) in pediatric hematology- oncology. *Support Care Cancer* 14, n.º 1 (2006): 91-97.
- Staunton, C. J., *et al.* The use of honey as a topical dressing to treat a large, devitalized wound in a stump-tail macaque (*Macaca arctoides*). *Contemp Top Lab Anim Sci* 44, n.º 4 (2005): 43-45.
- Stephen-Haynes, J. Evaluation of a honey- impregnated tulle dressing in primary care. *Br J Community Nurs Suppl* (2004): S21-27.
- Tan, H. T., *et al.* The antibacterial properties of Malaysian tualang honey against wound and enteric microorganisms in comparison to manuka honey. *BMC Complement Altern Med* 15, n.º 9 (2009): 34.

- Tanih, N. F., *et al.* An African perspective on *Helicobacter pylori*: prevalence of human infection, drug resistance, and alternative approaches to treatment. *Ann Trop Med Parasitol* 103, n.º 3 (2009): 189-204.
- Temaru, E., *et al.* Antibacterial activity of honey from stingless honeybees (Hymenoptera; Apidae; Meliponinae). *Pol J Microbiol* 56, n.º 4 (2007): 281-85.
- Timm, M., *et al.* Immunomodulatory effects of honey cannot be distinguished from endotoxin. *Cytokine* 42, n.º 1 (2008): 113-20.
- Tonks, A. J., *et al.* A 5.8-kDa component of manuka honey stimulates immune cells via TLR4. *J Leukoc Biol* 82, n.º 5 (2007): 1147-55.
- Tonks, A. J., *et al.* Honey stimulates inflammatory cytokine production from monocytes. *Cytokine* 21, n.º 5 (2003): 242-47.
- Tshukudu, G. M., *et al.* Comparative in vitro study of honey based and silver based wound preparations on cell viability. *Burns* 36, n.º 7 (2010): 1036-41.
- Tushar, T., *et al.* Effect of honey on CYP3A4, CYP2D6 and CYP2C19 enzyme activity in healthy human volunteers. *Basic Clin Pharmacol Toxicol* 100, n.º 4 (2007): 269-72.
- Van den Berg, A. J., *et al.* An in vitro examination of the antioxidant and anti-inflammatory properties of buckwheat honey. *J Wound Care* 17, n.º 4 (2008): 172-74, 176-78.
- Van der Weyden, E. A. Treatment of a venous leg ulcer with a honey alginate dressing. *Br J Community Nurs*, June 2005, suppl.: S21-27 passim.
- . The use of honey for the treatment of two patients with pressure ulcers. *Br J Community Nurs* 8, n.º 12 (2003): S14-20.
- Visavadia, B. G., *et al.* Manuka honey dressing: an effective treatment for chronic wound infections. *Br J Oral Maxillofac Surg* 46, n.º 1 (2008): 55-56.
- Visavadia, B. G., *et al.* Manuka honey dressing: an effective treatment for chronic wound infections. *Br J Oral Maxillofac Surg* 46, n.º 8 (2008): 696-97.
- Wang, X. H., *et al.* Antimutagenic effect of various honeys and sugars against Trp-p-1. *J Agric Food Chem* 50, n.º 23 (2002): 6923-28.
- White, R. The benefits of honey in wound management. *Nurs Stand* 20, n.º 10 (2005): 57-64; quiz 66.
- Wijesinghe, M., *et al.* Honey in the treatment of burns: a systematic review and meta-analysis of its efficacy. *N Z Med J* 122, n.º 1295 (2009): 47-60.
- Wilkinson, J. M., *et al.* Antibacterial activity of 13 honeys against *Escherichia coli* and *Pseudomonas aeruginosa*. *J Med Food* 8, n.º 1 (2005): 100-103.
- Wilson, V. Assessment and management of fungating wounds: a review. *Br J Community Nurs* 10, n.º 3 (2005): S28-34.
- Yapucu, G., *et al.* Effectiveness of a honey dressing for healing pressure ulcers. *J Wound Ostomy Continence Nurs* 34, n.º 2 (2007): 184-90.
- Yuzbasioglu, M. F., *et al.* Administration of honey to prevent peritoneal adhesions in a rat peritonitis model. *Int J Surg* 7, n.º 1 (2009): 54-57.
- Zeiger, B. The use of active *Leptospermum* honey dressings to re-initiate the wound healing process. *Ostomy Wound Manage* 56, n.º 1 (2010): 10.
- Zeina, B., *et al.* Effect of honey versus thyme on rubella virus survival in vitro. *J Altern Complement Med* 2, n.º 3 (1996): 345-48.
- Zhao, Y. L., *et al.* Effects of different extracts from radix isatidis lymphocytes of mice by biothermodynamics. *Zhongguo Zhong Yao Za Zhi* 31, n.º 7 (2006): 590-93.

JUNÍPERO

- Akkol, E. K., *et al.* A comparative study on the antinociceptive and anti-inflammatory activities of five *Juniperus* taxa. *J Ethnopharmacol* 125, n.º 2 (2009): 330-36.
- Ali, S. A., *et al.* Protective role of *Juniperus phoenicea* and *Cupressus sempervirens* against CCI4. *World J Gastrointest Pharmacol Ther* 1, n.º 6 (2010): 123-31.
- Almaarri, K., *et al.* Volatile compounds from leaf extracts of *Juniperus excelsa* growing in Syria via gas chromatography mass spectrometry. *Anal Methods* 2 (2010): 673-77.

- Al-Mustafa, A. H., *et al.* Antioxidant activity of some Jordanian medicinal plants used traditionally for the treatment of diabetes. *Pak J Biol Sci* 11, n.° 3 (2008): 351-58.
- Al-Qahtani, S. J., and M. Al-Shawaf. In vitro study effectiveness of Saudi plants' extracts against selected microorganisms. Abstract of a poster presentation at the preliminary program for the Saudi Dental Society Annual Scientific Meeting and IADR-Saudi Arabian Section General Assembly Meeting, Riyadh, Saudi Arabia, January 10-13, 2005. confex.com/iadr/saudi05/preliminaryprogram/abstract_71741.htm.
- Angioni, A., *et al.* Chemical composition of the essential oils of *Juniperus* from ripe and unripe berries and leaves and their antimicrobial activity. *J Agric Food Chem* 51, n.° 10 (2003): 3073-78.
- Anonymous. Chinese medicine treatment of chronic obstructive pulmonary disease research. Free Papers Download Center, August 4, 2009.
- Anonymous. Chinese medicine treatment of depression status. Free Papers Download Center, June 19, 2008.
- Anonymous. Juniper berry. Brief monograph in the herb encyclopedia maintained by Flora Manufacturing and Distributing. http://florahealth.com/herbal_encyclopedia_int.cfm (accessed March 22, 2011).
- Anonymous. Totarol. Totarol (accessed November 25, 2010).
- Ate, D. A., *et al.* Antimicrobial activities of various medicinal and commercial plant extracts. *Turk J Biol* 27 (2003): 157-62.
- Barjaktarovi, B., *et al.* Chemical composition of *Juniperus communis* L. fruits supercritical CO₂ extracts: dependence on pressure and extraction time. *J Agric Food Chem* 53, n.° 7 (2005): 2630-36.
- Bergner, P. *Juniperus*: are juniper berries a kidney irritant? *Medical Herbalism* 6, n.° 2 (1994): 12.
- Butani, L., *et al.* Amelioration of tacrolimus- induced nephrotoxicity in rats using juniper oil. *Transplantation* 76, n.° 2 (2003): 306-11.
- Caldecott, T. *Juniperus communis*, Pinaceae. <http://toddcalddecott.com/index.php/herbs/learning-herbs> (accessed November 22, 2010).
- Chavali, S. R., *et al.* Increased production of TNF-alpha and decreased levels of dienoic eicosanoids, IL-6 and IL-10 in mice fed menhaden oil and juniper oil diets in response to an intraperitoneal lethal dose of LPS. *Prostaglandins Leukot Essent Fatty Acids* 59, n.° 2 (1998): 89-93.
- Clark, A. M., *et al.* Antimicrobial properties of heartwood, bark/sapwood and leaves of *Juniperus* species. *Phytother Res* 4, n.° 1 (1990): 15-19.
- Committee on Herbal Medicinal Products (HMPC). List of references supporting the assessment of *Juniperus communis* L., pseudo-fructus. European Medicines Agency, November 12, 2009. document_library/Herbal_-_List_of_references_supporting_the_assessment_report/2011/02/WC500102145.pdf.
- Derwich, E., *et al.* Chemical composition of leaf essential oil of *Juniperus phoenicea* and evaluation of its antibacterial activity. *Int J Agric Biol* 12 (2010): 199-204.
- Di rak, M., *et al.* Antimicrobial activities of several parts of *Pinus brutia*, *Juniperus oxycedrus*, *Abies ciclicia*, *Cedrus libani* and *Pinus nigra*. *Phytother Res* 13, n.° 7 (1999): 584-87.
- El Sawi, S. A., and H. M. Motawe. Labdane, pimarane and abietane diterpenes from the fruits of *Juniperus phoenicea* L. grown in Egypt and their activities against human liver carcinoma. *Can J Pure Appl Sci* 2, n.° 1 (2008): 115-22.
- El Sawi, S. A., *et al.* Chemical composition, cytotoxic activity and antimicrobial activity of essential oils of leaves and berries of *Juniperus phoenicea* L. grown in Egypt. *Afr J Tradit Complement Altern Med* 4, n.° 4 (2007): 417-26.
- Ennajar, M., *et al.* The influence of organ, season and drying method on chemical composition and antioxidant and antimicrobial activities of *Juniperus phoenicea* L. essential oils. *J Sci Food Agric* 90, n.° 3 (2010): 462-70.
- Filipowicz, N., *et al.* Antibacterial and antifungal activity of juniper berry oil and its selected components. *Phytotherapy Research* 17 (2003): 227-31.
- Filipowicz, N., *et al.* The phytochemical and genetic survey of common and dwarf juniper (*Juniperus communis* and *Juniperus nana*) identifies chemical races and close taxonomic identity of species. *Planta Med* 72, n.° 9 (2006): 850-53.

- Gavini, E., *et al.* Solid lipid microparticles (SLM) containing juniper oil anti-acne topical carriers: preliminary studies. *Pharm Dev Technol* 10, n.º 4 (2005): 479-87.
- Ghrabi, Zeineb. *Juniperus phoenicia* L. In *A Guide to Medicinal Plants in North Africa*, 161-63. Malaga, Spain: IUCN Center for Mediterranean Cooperation, 2005.
- Gordien, A. Y., *et al.* Antimycobacterial terpenoids from *Juniperus communis* L. (Cupressaceae). *J Ethnopharmacol* 126, n.º 3 (2009): 500-505.
- Jaiswal, R., *et al.* Tatarol inhibits bacterial cytokinesis by perturbing the assembly dynamics of FtsZ. *Biochemistry* 46, n.º 14 (2007): 4211-20.
- Jimenez-Arellanes, A., *et al.* Activity against multidrug-resistant *Mycobacterium tuberculosis* in Mexican plants used to treat respiratory diseases. *Phytother Res* 17, n.º 8 (2003): 903-8.
- Johnston, W. H., *et al.* Antimicrobial activity of some Pacific Northwest woods against anaerobic bacteria and yeast. *Phytother Res* 15, n.º 7 (2001): 586-88.
- Jones, S. M., *et al.* Dietary juniper berry oil minimizes hepatic reperfusion injury in the rat. *Hepatology* 28, n.º 4 (1998): 1042-50.
- Karaman, F., *et al.* Antimicrobial activity of aqueous and methanol extracts of *Juniperus oxycedrus* L. *J Ethnopharmacol* 85, n.º 2-3 (2003): 231-35.
- Karchesy, J. *The literature of juniper utilization for oils and specialty products: a report to the Western Juniper Steering Committee*. Corvallis: Oregon State University Department of Forest Products, April 1, 1998. oregonstate.edu/bibliography/documents/php80YmFy_literature.pdf.
- Kozan, E., *et al.* Evaluation of some plants used in Turkish folk medicine against parasitic infections for their in vivo anthelmintic activity. *J Ethnopharmacol* 108, n.º 2 (2006): 211-16.
- Lamnauer, D. *Juniperus oxycedrus* L. In *A Guide to Medicinal Plants in North Africa*, 157-160. Malaga, Spain: IUCN Center for Mediterranean Cooperation, 2005.
- Lesjak, M. M., *et al.* *Juniperus sibirica* Burgsdorf as a novel source of antioxidant and anti-inflammatory agents. *Food Chemistry* 124, n.º 3 (2010): 850-56.
- Loizzo, M. R., *et al.* Phytochemical analysis and in vitro antiviral activities of the essential oils of seven Lebanon species. *Chem Biodivers* 5, n.º 3 (2008): 461-70.
- Mahady, G. B., *et al.* In vitro susceptibility of *Helicobacter pylori* to botanical extracts used traditionally for the treatment of gastrointestinal disorders. *Phytother Res* 19, n.º 11 (2005): 988-91.
- Marino, A., *et al.* In vitro effect of branch extracts of *Juniperus* species from Turkey on *Staphylococcus aureus* biofilm. *FEMS Immunol Med Microbiol* 59, n.º 3 (2010): 470-76.
- Martz, F., *et al.* Effect of latitude and altitude on the terpenoid and soluble phenolic composition of juniper (*Juniperus communis*) needles and evaluation of their antibacterial activity in the boreal zone. *J Agric Food Chem* 57, n.º 20 (2009): 9575-84.
- Miceli, N., *et al.* Comparative analysis of flavonoid profile, antioxidant and antimicrobial activity of the berries of *Juniperus communis* L. var. *communis* and *Juniperus communis* L. var. *saxatilis* Pall. from Turkey. *J Agric Food Chem* 57, n.º 15 (2009): 6570-77.
- Moein, M. R., *et al.* Analysis of antimicrobial, antifungal and antioxidant activities of *Juniperus excelsa* M. B subsp. *pobycarpus* (K. Koch) Takhtajan essential oil. *Pharmacognosy Res* 2, n.º 3 (2010): 128-31.
- Mossa, J. S., *et al.* Antimycobacterial constituents from *Juniperus procera*, *Ferula communis* and *Plumbago zeylanica* and their in vitro synergistic activity with isonicotinic acid hydrazine. *Phytother Res* 18 (2004): 934-37.
- Nixon, D., and D. Hobbs. The use of tatarol to treat acne in an adolescent: a case study. *NZFP (New Zealand Family Physician)* 33, n.º 4 (2006): 1-3, 2006.
- Orhan, N., *et al.* Effects of *Juniperus oxycedrus* ssp. *oxycedrus* on tissue lipid peroxidation, trace elements (Cu, Zn, Fe) and blood glucose levels in experimental diabetes. *J Ethnopharmacol* 133, n.º 2 (2011): 759-64.
- Ottavio, J., *et al.* Chemical variability of the needle oil of *Juniperus communis* ssp. *alpina* from Corsica. *Chem Biodivers* 6, n.º 12 (2009): 2192-99.
- Pankaj, K., *et al.* Identification of phytochemical content and antibacterial activity of *Juniperus communis* leaves. *Int J Biotechnol Biochem* 6, n.º 1 (2004): 87-91.

- Pepeljnjak, S., *et al.* Antimicrobial activity of juniper berry essential oil (*Juniperus communis* L., Cupressaceae). *Acta Pharm* 55, n.º 4 (2005): 417-22.
- Pubget. [Juniperus articles and abstracts.] <http://pubget.com> (search for «juniperus»; accessed November 22, 2010).
- Rezvani, S., *et al.* Analysis and antimicrobial activity of the plant *Juniperus communis*. *Ras yan J Chem* 2, n.º 2 (2009): 257-60.
- Sadeghi-aliabadi, H., *et al.* Evaluation of in vitro cytotoxic effects of *Juniperus foetidissima* and *Juniperus sabina* extracts against a panel of cancer cells. *Iran J Pharm Res* 8, n.º 4 (2009): 281-86.
- Salido, S., *et al.* Chemical studies of essential oils of *Juniperus oxycedrus* ssp. *badia*. *J Ethnopharmacol* 81, n.º 1 (2002): 129-34.
- Samoylenko, V., *et al.* Antiparasitic, nematocidal and antifouling constituents from *Juniperus* berries. *Phytother Res* 22, n.º 12 (2008): 1570-76.
- San Feliciano, A., *et al.* Antineoplastic and antiviral activities of some cyclogignans. *Planta Med* 59, n.º 3 (1993): 246-49.
- Sati, S. C., *et al.* Antibacterial potential of leaf extracts of *Juniperus communis* L. from Kumaun Himalaya. *Afr J Microbiol Res* 4, n.º 12 (2010): 1291-94.
- Schneider, I., *et al.* Inhibitory activity of *Juniperus communis* on 12(S)-HETE production in human platelets. *Planta Med* 70, n.º 5 (2004): 471-74.
- Smith, E. C., *et al.* The phenolic diterpene totarol inhibits multidrug efflux pump activity in *Staphylococcus aureus*. *Antimicrob Agents Chemother* 51, n.º 12 (2007): 4480-83.
- Van Slambrouck, S., *et al.* Effects of crude aqueous medicinal plant extracts on growth and invasion of breast cancer cells. *Oncol Rep* 17, n.º 6 (2007): 1487-92.
- Wanner, J., *et al.* Chemical composition and antibacterial activity of selected essential oils and some of their main compounds. *Nat Prod Commun* 5, n.º 9 (2010): 1359-64.
- Webster, D., *et al.* Antimycobacterial screening of traditional medicinal plants using the microplate resazurin assay. *Can J Microbiol* 56, n.º 6 (2010): 487-94.

REGALIZ

- Acharya, S. K., *et al.* A preliminary open trial on interferon stimulator (SNMC) derived from *Glycyrrhiza glabra* in the treatment of subacute hepatic failure. *Indian J Med Res* 98 (1993): 69-74.
- Adams, L. S., *et al.* Analysis of the interactions of botanical extract combinations against the viability of prostate cancer cell lines. *Evid Based Complement Alternat Med* 3, n.º 1 (2006): 117-24.
- Agarwal, A., *et al.* An evolution of the efficacy of licorice gargle for attenuating postoperative sore throat: a prospective, randomized, single-blind study. *Anesth Analg* 109, n.º 1 (2009): 77-81.
- Aiyegoro, O. A., *et al.* Use of bioactive plant products in combination with standard antibiotics: implications in antimicrobial chemotherapy. *J Med Plants Res* 3, n.º 13 (2009): 1147-52.
- Aly, A. M. Licorice: a possible anti-inflammatory and anti-ulcer drug. *AAPS PharmSciTech* 6, n.º 1 (2005): E74-82.
- Ambawade, S. D., *et al.* Anticonvulsant activity of roots and rhizomes of *Glycyrrhiza glabra*. *Ind J Pharmacol* 34 (2002): 251-55.
- Anonymous. *Glycyrrhiza*. Wikipedia. <http://en.wikipedia.org/wiki/Glycyrrhiza> (accessed February 7, 2011).
- Anonymous. *Glycyrrhiza glabra*. *Altern Med Rev* 10, n.º 3 (2005): 230-37.
- Anonymous. *Glycyrrhiza* L. Entry in the U.S. Department of Agriculture Natural Resources Conservation Service PLANTS Database. <http://plants.usda.gov/java/profile?symbol=GLYCY> (accessed February 7, 2011).
- Anonymous. *Glycyrrhiza lepidota*. Entry in the U.S. Department of Agriculture Natural Resources Conservation Service PLANTS Database. <http://plants.usda.gov/java/profile?symbol=GLLE3> (accessed December 20, 2011).
- Anonymous. *Glycyrrhiza uralensis*. Wikipedia. [uralensis](http://en.wikipedia.org/wiki/Glycyrrhiza_uralensis) (accessed February 7, 2011).
- Anonymous. Licorice. Wikipedia. <http://en.wikipedia.org/wiki/Licorice> (accessed February 7, 2011).

- Aoki, F., *et al.* Clinical safety of licorice flavonoid oil (LFO) and pharmacokinetics of glabridin in healthy humans. *J Am Coll Nutr* 26, n.º 3 (2007): 209-18.
- Armanini, D., *et al.* Treatment of polycystic ovary syndrome with spironolactone plus licorice. *Eur J Obstet Gynecol Reprod Biol* 131, n.º 1 (2007): 61-67.
- Asl, M. N., *et al.* Review of pharmacological effects of *Glycyrrhiza* sp. and its bioactive compounds. *Phytother Res* 22, n.º 6 (2008): 709-24.
- Badam, L. In vitro antiviral activity of indigenous glycyrrhizin, licorice and glycyrrhizic acid (Sigma) on Japanese encephalitis virus. *J Commun Dis* 29, n.º 2 (1997): 91-99.
- Barthomeuf, C., *et al.* Conferone from *Ferula schtschurowskiana* enhances vinblastine cytotoxicity in MDCK-MDR1 cells by competitively inhibiting P-glycoprotein transport. *Planta Med* 72, n.º 7 (2006): 634-39.
- Belofsky, G., *et al.* Metabolites of the «smoke tree», *Dalea spinosa*, potentiate antibiotic activity against multidrug-resistant *Staphylococcus aureus*. *J Nat Prod* 69, n.º 2 (2006): 261-64.
- Belofsky, G., *et al.* Phenolic metabolites of *Dalea versicolor* that enhance antibiotic activity against model pathogenic bacteria. *J Nat Prod* 67, n.º 3 (2004): 481-84.
- Betoni, J. E. C., *et al.* Synergism between plant extract and antimicrobial drugs used on *Staphylococcus aureus* diseases. *Mem Inst Oswaldo Cruz* 101, n.º 4 (2006): 387-90.
- Biavatti, Maique W. Synergy: an old wisdom, a new paradigm for pharmacotherapy. *Braz J Pharm Sci* 45, n.º 3 (2009): 371-78.
- Biradar, Y. Evaluation of antimalarial activity of selected plants of Indian systems of medicine and study: the synergistic activity of the compounds present therein. PhD diss., Nirma University (India), December 9, 2010. inlibnet.ac.in/handle/10603/1379.
- Bojian, B., *et al.* *Glycyrrhiza* Linnaeus. In *Flora of China* 10, 509-11. St. Louis, MS: Missouri Botanical Garden Press; Beijing: Science Press, 2010.
- Burgess, J. A. Review of over-the-counter treatments for aphthous ulceration and results from use of a dissolving oral patch containing glycyrrhiza complex herbal extract. *J Contemp Dent Pract* 9, n.º 3 (2008): 88-98.
- Chérigo, L., *et al.* Bacterial resistance modifying tetrasaccharide agents from *Ipomoea murucoides*. *Phytochemistry* 70, n.º 2 (2009): 222-27.
- Chérigo, L., *et al.* Inhibitors of bacterial multidrug efflux pumps from the resin glycosides of *Ipomoea murucoides*. *J Nat Prod* 71, n.º 6 (2008): 1037-45.
- Chérigo, L., *et al.* Resin glycosides from the flowers of *Ipomoea murucoides*. *J Nat Prod* 69, n.º 4 (2006): 595-99.
- Cho, H. J., *et al.* Hexane/ethanol extract of *Glycyrrhiza uralensis* licorice exerts potent anti-inflammatory effects in murine macrophages and in mouse skin. *Food Chem* 121 (2010): 959-66.
- Chung, S. Y., *et al.* Potent modulation of P-glycoprotein activity by naturally occurring phenylbutenoids from *Zingiber cassumunar*. *Phytother Res* 23, n.º 4 (2009): 472-76.
- Chung, S. Y., *et al.* Potent modulation of P-glycoprotein-mediated resistance by kaempferol derivatives isolated from *Zingiber zerumbet*. *Phytother Res* 21, n.º 6 (2007): 565-69.
- Cinatl, J., *et al.* Glycyrrhizin, an active component of liquorice roots, and replication of SARS-associated coronavirus. *Lancet* 361, n.º 9374 (2003): 2045-46.
- Cortés-Selva, F., *et al.* Dihydro-beta-agarofuran sesquiterpenes: a new class of reversal agents of the multidrug resistance phenotype mediated by P-glycoprotein in the protozoan parasite *Leishmania*. *Curr Pharm Des* 11, n.º 24 (2005): 3125-39.
- Dao, T. T., *et al.* Chalcones as novel influenza A (H1N1) neuraminidase inhibitors from *Glycyrrhiza inflata*. *Bioorg Med Chem Lett* 21, n.º 1 (2011): 294-98. E-pub (preprint) November 5, 2010.
- Dong, Y., *et al.* The anti-respiratory syncytial virus (RSV) effect of radix glycyrrhizae in vitro. *Zhong Yao Cai* 27, n.º 6 (2004): 425-27.
- Efferth, T., *et al.* Complex interactions between phytochemicals: the multi-target therapeutic concept of phytotherapy. *Curr Drug Targets* 12, n.º 1 (2011): 122-32.
- Elmadjian, F., *et al.* The action of mono-ammonium glycyrrhizinate on adrenalectomized subjects and its synergism with hydrocortisone. *J Clin Endocrinol Metab* 16, n.º 3 (1956): 338-49.

- Fiore, C., *et al.* Antiviral effects of *Glycyrrhiza* species. *Phytother Res* 22, n.° 2 (2008): 141-48.
- Follett, J., *et al.* Growing licorice (*Glycyrrhiza glabra* L.). New Zealand Center for Crop and Food Research broadsheet 121 (2000).
- Foster, Steven. Licorice—Glycyrrhiza. Series of monographs on the website of Steven Foster. licorice.html (accessed February 7, 2011).
- Fuhrman, B., *et al.* Lycopene synergistically inhibits LDL oxidation in combination with vitamin E, glabridin, rosmarinic acid, carnosic acid, or garlic. *Antioxid Redox Signal* 2, n.° 3 (2000): 491-506.
- Gao, X., *et al.* Review of pharmacological effects of *Glycyrrhiza* radix and its bioactive compounds. *Zhongguo Zhong Yao Za Zhi* 34, n.° 21 (2009): 2695-700.
- Grankina, V. P., *et al.* Trace element composition of Ural licorice *Glycyrrhiza uralensis* Fisch. (Fabaceae family). *Contemp Probl Ecol* 2, n.° 4 (2009): 396-99.
- Grover, I. S., *et al.* Effect of liquorice [*Glycyrrhiza glabra* Linn.] as an adjuvant in newly diagnosed sputum smear-positive patients of pulmonary tuberculosis on directly observed treatment short course (DOTS) therapy. *Chest* 130, n.° 4, suppl. (2006): 95S.
- Hammouda, F. M., *et al.* *Glycyrrhiza glabra* L. In *A Guide to Medicinal Plants in North Africa*, 147-50. Malaga, Spain: IUCN Center for Mediterranean Cooperation, 2005. <http://uicnmed.org/nabp/database/HTM/PDF/p94.pdf>.
- Hayashi, H., *et al.* Field survey of *Glycyrrhiza* plants in central Asia (2). Characterization of phenolics and their variation in the leaves of *Glycyrrhiza* plants collected in Kazakhstan. *Chem Pharm Bull* (Tokyo) 51, n.° 11 (2003): 1147-52. He, J., *et al.* Antibacterial compounds from *Glycyrrhiza uralensis*. *J Nat Prod* 69 (2006): 121-24.
- Hirabayashi, K., *et al.* Antiviral activities of glycyrrhizin and its modified compounds against human immunodeficiency virus type 1 (HIV-1) and herpes simplex virus type 1 (HSV-1) *in vitro*. *Chem Pharm Bull* (Tokyo) 39, n.° 1 (1991): 112-15.
- Hoever, G., *et al.* Antiviral activity of glycyrrhizic acid derivatives against SARS-coronavirus. *J Med Chem* 48, n.° 4 (2005): 1256-59.
- Irani, M., *et al.* Leaves antimicrobial activity of *Glycyrrhiza glabra* L. *Iran J Pharm Res* 9, n.° 4 (2010): 425-28.
- Janke, R., *Farming a few acres of herbs: licorice*. MF-2616. Kansas State University, May 2004. ksu.edu/library/hort2/mf2616.pdf.
- Johns, C. Glycyrrhizic acid toxicity caused by consumption of licorice candy cigars. *CJEM* 11, n.° 1 (2009): 94-96.
- Ko, H. C., *et al.* The effect of medicinal plants used in Chinese folk medicine on RANTES secretion by virus-infected human epithelial cells. *J Ethnopharmacol* 107, n.° 2 (2006): 205-10. Kolbe, L., *et al.* Anti-inflammatory efficacy of licochalcone A: correlation of clinical potency and *in vitro* effects. *Arch Dermatol Res* 298, n.° 1 (2006): 23-30.
- Kondo, K., *et al.* Constituent properties of licorices derived from *Glycyrrhiza uralensis*, *G. glabra*, or *G. inflata* identified by genetic information. *Biol Pharm Bull* 30, n.° 7 (2007): 1271-77.
- Kuo, K., *et al.* Water extract of *Glycyrrhiza uralensis* inhibited enterovirus 71 in a human foreskin fibroblast cell line. *Am J Chin Med* 37, n.° 2 (2009): 383-94.
- Kusano, Eiji. How to diagnose and treat a licorice- induced syndrome with findings similar to that of primary hyperaldosteronism. *Intern Med* 43, n.° 1 (2004): 5-6.
- Kushiev, H., *et al.* Remediation of abandoned saline soils using *Glycyrrhiza glabra*: a study from the Hungry Steppes of central Asia. *Int J Agr Sust.* 3, n.° 2): 102, 2005.
- Lapi, F., *et al.* Myopathies associated with red yeast rice and liquorice: spontaneous reports from the Italian Surveillance System of Natural Health Products. *Br J Clin Pharmacol* 66, n.° 4 (2008): 572-74.
- León, I., *et al.* Pentasaccharide glycosides from the roots of *Ipomoea murucoides*. *J Nat Prod* 68, n.° 8 (2005): 1141-46.
- Li, X. L., *et al.* Antioxidant status and immune activity of glycyrrhiza in allergic rhinitis mice. *Int J Mol Sci* 12 (2011): 905-16.

- Li, Y. S. Toxicity attenuation and efficacy potentiation effect of licorice on treatment of rheumatoid arthritis with *Tripterygium wilfordii*. *Zhongguo Zhong Xi Yi Jie He Za Zhi* 26, n.º 12 (2006): 1117-19.
- Lin, J. C. Mechanism of action of glycyrrhizic acid in inhibition of Epstein-Barr virus replication in vitro. *Antiviral Res* 59, n.º 1 (2003): 41-47.
- Liu, X. R., et al. Treatment of intestinal metaplasia and atypical hyperplasia of gastric mucosa with xiao wei yan powder. *Zhongguo Zhong Xi Yi Jie He Za Zhi* 12, n.º 10 (1992): 602-3, 580.
- Martin, M. D., et al. A controlled trial of a dissolving oral patch concerning *glycyrrhiza* (licorice) herbal extract for the treatment of aphthous ulcers. *Gen Dent* 56, n.º 2 (2008): 206-10.
- Moghadamnia, A. A. The efficacy of the bioadhesive patches containing licorice extract in the management of recurrent aphthous stomatitis. *Phytother Res* 23, n.º 2 (2009): 246-50.
- Molnár, J., et al. Reversal of multidrug resistance by natural substances from plants. *Curr Top Med Chem* 10, n.º 17 (2010): 1757-68.
- Morel, C., et al. Isoflavones as potentiators of antibacterial activity. *J Agric Food Chem* 51, n.º 19 (2003): 5677-79.
- Muralidharan, P., et al. Cerebroprotective effect of *Glycyrrhiza glabra* Linn. root extract on hypoxic rats. *J Bangladesh Pharmacol Soc (BDPS)* 4 (2009): 60-64.
- Nagoshi, Chihiro. Synergistic effect of [10]-gingerol and aminoglycosides against vancomycin-resistant enterococci (VRE). *Biol Pharm Bull* 29, n.º 3 (2006): 443-47.
- Nomura, T., et al. Chemistry of phenolic compounds of licorice (*Glycyrrhiza* species) and their estrogenic and cytotoxic activities. *Pure Appl Chem* 74, n.º 7 (2002): 1199-206.
- Parsaeimehr, A., et al. Producing friable callus for suspension of culture in *Glycyrrhiza glabra*. *Adv Enviro Biol* 3, n.º 2 (2009): 125-28.
- Pati, A. K. Licorice (*Glycyrrhiza glabra*, *G. uralensis*).
- Press release from Best Nutrition Products, Inc., Hayward, Calif., July 10, 2010. On the website of PRLog at glycyrrhiza-glabra-uralensis-dr-abhay-kumar-pati-best-nutrition-hayward-ca-usa.html.
- Pompei, R., et al. Antiviral activity of glycyrrhizic acid. *Experientia* 36, n.º 3 (1980): 304.
- Pompei, R., et al. Glycyrrhizic acid inhibits virus growth and inactivates virus particles. *Nature* 281, n.º 5733 (1979): 689-90.
- Pompei, R., et al. Glycyrrhizic acid inhibits virus growth in embryonated eggs. *Microbiologica* 6, n.º 3 (1983): 247-50.
- Räikkönen, K., et al. Maternal licorice consumption and detrimental cognitive and psychiatric outcomes in children. *Am J Epidemiol* 170, n.º 9 (2009): 1137-46.
- Renjie, L., et al. Protective effect of *Glycyrrhiza glabra* polysaccharides against carbon tetrachloride-induced liver injury in rats. *Afr J Microbiol Res* 4, n.º 16 (2010): 1784-87.
- Saeedi, M., et al. The treatment of atopic dermatitis with licorice gel. *J Dermatolog Treat* 14, n.º 3 (2003): 153-57.
- Saif, M. W., et al. Phase I study of the botanical formulation PHY906 with capecitabine in advanced pancreatic and other gastrointestinal malignancies. *Phytomedicine* 17, n.º 3-4 (2010): 161-69.
- Sancar, M., et al. Comparative effectiveness of *Glycyrrhiza glabra* vs. omeprazole and misoprostol for the treatment of aspirin-induced gastric ulcers. *Afr J Pharm Pharmacol* 3, n.º 12 (2009): 615-20.
- Sato, J., et al. Antifungal activity of plant extracts against *Arthrinium sacchari* and *Chaetomium funicola*. *J Biosci Bioeng* 90, n.º 4 (2000): 442-46.
- Sato, Y., et al. Isoliquiritigenin, one of the antispasmodic principles of *Glycyrrhiza uralensis* roots, acts in the lower part of intestine. *Biol Pharm Bull* 30, n.º 1 (2007): 145-49.
- Schröfelbauer, B., et al. Glycyrrhizin, the main active compound in licorice, attenuates pro-inflammatory responses by interfering with membrane-dependent receptor signaling. *Biochem J* 421, n.º 3 (2009): 473-82.
- Shibata, S. A drug over the millennia: pharmacognosy, chemistry, and pharmacology of licorice. *Yaku-gaku Zasshi* 120, n.º 10 (2000): 849-62.
- Shirazi, M., et al. An evaluation of antibacterial activity of *Glycyrrhiza glabra* extract on the growth of salmonella, shigella and ETEC *E. coli*. *J Biol Sci* 7 (2007): 827-29.

- Simões, M., *et al.* Understanding antimicrobial activities of phytochemicals against multidrug resistant bacteria and biofilms. *J Nat Prod* 26 (2009): 746-57.
- Sofia, H. N., and T. M. Walter. Review of *Glycyrrhiza glabra*, Linn. Siddha Papers 02 (01) (LR). ISSN 0974-2522. January 12, 2009. nic.in/3195/01/Glycyrrhiza_final.pdf.
- Stavri, M., *et al.* Bacterial efflux pump inhibitors from natural sources. *J Antimicrob Chemo* 59 (2007): 1247-60.
- Strandberg, T. E., *et al.* Birth outcome in relation to licorice consumption during pregnancy. *Am J Epidemiol* 153, n.º 11 (2001): 1085-88.
- Strandberg, T. E., *et al.* Preterm birth and licorice consumption during pregnancy. *Am J Epidemiol* 156, n.º 9 (2002): 803-5.
- Sui, X., *et al.* Antiviral effect of diammonium glycyrrhizinate and lithium chloride on cell infection by pseudorabies herpesvirus. *Antiviral Res* 85, n.º 2 (2010): 346-53.
- Sultana, S., *et al.* Antimicrobial, cytotoxic and antioxidant activity of methanolic extract of *Glycyrrhiza glabra*. *Agr Biol J N America* 1, n.º 5 (2010): 957-60.
- Tancevski, I., *et al.* Images in cardiovascular medicine. Malicious licorice. *Circulation* 117 (2008): e299.
- Teelucksingh, S., *et al.* Potentiation of hydrocortisone activity in skin by glycyrrheticin. *Lancet* 335, n.º 8697 (1990): 1060-63.
- Utsunomiya, T., *et al.* Glycyrrizin, an active component of licorice roots, reduces morbidity and mortality of mice infected with lethal doses of influenza virus. *Antimicrob Agents Chemother* 41, n.º 3 (1997): 551-56.
- Wagner, H., *et al.* Natural products chemistry and phytomedicine research in the new millennium: new developments and challenges. *ARKIVOC* 7 (2004): 277-84.
- Wang, X. Q., *et al.* The anti-respiratory syncytial virus effect of active compound of *Glycyrrhiza* GD4 in vitro. *Zhong Yao Cai* 29, n.º 7 (2006): 692-94.
- Williamson, E. M., *et al.* Synergy: interactions within herbal medicines. *Eur Phyto J* 8, n.º 5 (2001): 401-9.
- Wolkerstoerfer, A., *et al.* Glycyrrhizin inhibits influenza A virus uptake into the cell. *Antiviral Res* 83, n.º 2 (2009): 171-78.
- Wu, T. H., *et al.* Hypouricemic effect and regulatory effects on autonomic function of shao-yao gancao tang, a Chinese herbal prescription, in asymptomatic hyperuricemic vegetarians. *Rheumatol Int* 28, n.º 1 (2007): 27-31.
- Yamashiki, M., *et al.* Effects of the Japanese herbal medicine «sho-saiko-to» (TJ-9) on interleukin-12 production in patients with HCV- positive liver cirrhosis. *Dev Immunology* 7, n.º 1 (1999): 17-22.
- Yasue, H., *et al.* Severe hypokalemia, rhabdomyolysis, muscle paralysis, and respiratory impairment in a hypertensive patient taking herbal medicines containing licorice. *Intern Med* 46, n.º 9 (2007): 575-78.
- Yim, S. B., *et al.* Protective effect of glycyrrhizin on 1-methyl-4-phenylpyridinium-induced mitochondrial damage and cell death in differentiated PC12 cells. *J Pharmacol Exper Therap* 321, n.º 2 (2007): 816.
- Yuan, H. N., *et al.* A randomized, crossover comparison of herbal medicine and bromocriptine against risperidone-induced hyperprolactinemia in patients with schizophrenia. *J Clin Psychopharmacol* 28, n.º 3 (2008): 264-370.
- Zhang, L., *et al.* Study on adsorption of plasma effective constituents of rat after administrated with *Paeonia lacliflora* and *Glycyrrhiza uralensis*. *Zhongguo Zhong Yao Za Zhi* 32, n.º 17 (2007): 1789-91.

CEANOTHUS

- Alakurti, S., *et al.* Pharmacological properties of the ubiquitous natural product betulin. *Eur J Pharm Sci* 1 (2006): 1-13.
- Berry, A. M., *et al.* Bacteriohopanetetrol: abundant lipid in frankia cells and in nitrogen-fixing nodule tissue. *Plant Physiol* 95, n.º 1 (1991): 111-15.
- Bishop, J. G., *et al.* The effect of ceanothyn on blood coagulation time. *J Am Pharm Ass* 46, n.º 7 (1957): 396-98.

- Cichewicz, R. H. Chemistry, biological activity, and chemotherapeutic potential of betulinic acid for the prevention and treatment of cancer and HIV infection. *Med Res Rev* 24, n.º 1 (2004): 90-114.
- Cook, William. *Ceanothus americanus*. Entry in *The Physiomedical Dispensatory* (1869). Electronic version hosted on the website of *Medical Herbalism* journal. home.htm.
- De Sá, M. S., et al. Antimalarial activity of betulinic acid and derivatives in vitro against *Plasmodium falciparum* and in vivo in *P. berghei*-infected mice. *Parasitol Res* 105, n.º 1 (2009): 275-79.
- Delwiche, C. C., et al. Nitrogen fixation by *Ceanothus*. *Plant Physiol* 40, n.º 6 (1965): 1045-47.
- Eichenmüller, M., et al. Betulinic acid induces apoptosis and inhibits hedgehog signaling in rhabdomyosarcoma. *Br J Cancer* 103, n.º 1 (2010): 43-51.
- Emile, A., et al. Bioassay-guided isolation of antifungal alkaloids from *Melochia odorata*. *Phytother Res* 21, n.º 4 (2007): 398-400.
- Fisher, J. B., et al. What the towers don't see at night: nocturnal sap flow in trees and shrubs at two AmeriFlux sites in California. *Tree Physiol* 27, n.º 4 (2007): 597-610.
- Fu, J. Y. Betulinic acid ameliorates impairment of endothelium-dependent relaxation induced by oxidative stress in rat aorta. *Zhejiang Da Xue Xue Bao Yi Xue Ban* 39, n.º 5 (2010): 523-29.
- Giordano, A. A. S., et al. *Ceanothus americanus*: its effect on the coagulation time of the blood. *Arch Otolaryngol* 7, n.º 6 (1928): 618-22.
- Groot, J. T., et al. The pharmacology of *Ceanothus americanus*. I. Preliminary studies: hemodynamics and the effects on coagulation. *J Pharm Exper Therap* 30, n.º 4 (1926): 275-91.
- Klein, F. K., et al. Ceanothus alkaloids. Americine. *J Am Chem Soc* 90, n.º 9 (1968): 2398-404. Kommera, H., et al. Synthesis and anticancer activity of novel betulinic acid and betulin derivatives. *Arch Pharm (Weinheim)* 343, n.º 8 (2010): 449-57.
- Laferriere, J. E., et al. Mineral composition of some traditional Mexican teas. *Plant Food Hum Nutr* 41 (1991): 277-82.
- Lan, P., et al. Understanding the structure-activity relationship of betulinic acid derivatives as anti-HIV-1 agents by using 3D-QSAR and docking. *J Mol Model* 17, n.º 7 (2011): 1643-59. E-pub (preprint) October 27, 2010.
- Laszczyk, M. N. Pentacyclic triterpenes of the lupane, oleanane and ursane group as tools in cancer therapy. *Planta Med* 75, n.º 15 (2009): 1549-60.
- Leal, I. C., et al. Ceanothane and lupane type triterpenes from *Zizyphus joazeiro*—an anti-staphylococcal evaluation. *Planta Med* 76, n.º 1 (2010): 47-52.
- Lee, S. M., et al. Anti-complementary activity of triterpenoides from fruit of *Zizyphus jujuba*. *Biol Pharm Bull* 27, n.º 11 (2004): 1883-86.
- Lee, S. S., et al. Preparation and cytotoxic effect of ceanotholic acid derivatives. *J Nat Prod* 61, n.º 11 (1998): 1343-47.
- Li, X. C., et al. Antimicrobial compounds from *Ceanothus americanus* against oral pathogens. *Phytochemistry* 46, n.º 1 (1997): 97-102.
- Li, Y., et al. Betulin induces mitochondrial cytochrome c release associated apoptosis in human cancer cells. *Mol Carcinog* 49, n.º 7 (2010): 630-40.
- Lo, Y. C. Betulinic acid stimulates the differentiation and mineralization of osteoblastic MC3T3-E1 cells: involvement of BMP/Runx2 and beta-catenin signals. *J Agric Food Chem* 58, n.º 11 (2010): 6643-49.
- Lucas, Joy. *Ceanothus*—a nice cup of tea & a piece of ague cake. Updated August 30, 2003. On the Homeopathic Materia Medica website at [http://web.mac.com/joylucas/iWeb/Site/Materia%20Medica%20\(2\)_files/Ceanothus.pdf](http://web.mac.com/joylucas/iWeb/Site/Materia%20Medica%20(2)_files/Ceanothus.pdf).
- Lucero, M. E., et al. Composition of *Ceanothus gregii* oil as determined by stream distillation and solid-phase microextraction. *J Essent Oil Res* 22 (2010): 104-42.
- Lynch, T. A., et al. An investigation of the blood coagulation principles from *Ceanothus americanus*. *J Am Pharm Assoc Am Pharm Assoc* (Baltimore) 47, n.º 11 (1958): 816-19.
- Moore, M. *Ceanothus: red root*. Folio on the website of the Southwest School of Botanical Medicine. (accessed December 21, 2011).

- Rooney, R. F., *et al.* A case of poisoning from *Ceanothus velutinus*, resembling *Rhus* poisoning. *Cal State J Med* 3, n.º 9 (1905): 290-91.
- Roscoe, C. W., *et al.* A preliminary study of the alkaloidal principles of *Ceanothus americanus* and *Ceanothus velutinus*. *J Am Pharm Assoc* 49, n.º 2 (1960): 108-12.
- Saab, L., *et al.* Isolation of immunomodulatory triterpene acids from a standardized rose hip powder (*Rosa canina* L.). *Phytother Res* 25, n.º 2 (2011): 195-201. E-pub (preprint) 2010.
- Salazar-Aranda, R., *et al.* Antimicrobial and antioxidant activities of plants from northeast of Mexico. *Evid Based Complement Alternat Med* e-pub (preprint) September 21, 2009. Spjut, R. W. *Ceanothus*: Rhamnaceae. On the website of World Botanical Associates. <http://worldbotanical.com/ceanothus.htm> (accessed December 9, 2010).
- Steele, J. C., *et al.* In vitro and in vivo evaluation of betulinic acid as an antimalarial. *Phytother Res* 13, n.º 2 (1999): 115-19.
- Suksamram, S., *et al.* Ceanothane- and lupane- type triterpenes with antiplasmodial and antimycobacterial activities from *Ziziphus cambodiana*. *Chem Pharm Bull* (Tokyo) 54, n.º 4 (2006): 535-37.
- Takada, Y., *et al.* Betulinic acid suppresses carcinogen-induced NF-kappa B activation through inhibition of I kappa B alpha kinase and p65 phosphorylation: abrogation of cyclooxygenase-2 and matrix metalloproteinase-9. *J Immunol* 171, n.º 6 (2003): 3278-86.
- Theraldsen, C. E., *et al.* Notes on blood reactions of the alkaloids of *Ceanothus americanus*. *Am J Physiol* 79, n.º 3 (1926): 545-52. Tschesche, R., *et al.* Alkaloids from Rhamnaceae. IV. Integerrin, an additional peptide alkaloid from *Ceanothus integerrimus* Hook and Arn. *Tetrahedron Lett* 11 (1968): 1311-15.
- Tschesche, R., *et al.* Integerrassin and integerrenin, two peptide alkaloids from *Ceanothus integerrimus* Hook. and Arn. *Chem Ber* 100, n.º 12 (1967): 3924-36.
- Vijayan, V., *et al.* Betulinic acid inhibits endotoxin stimulated phosphorylation cascade and pro-inflammatory prostaglandin E(2) production in human peripheral blood mononuclear cells. *Br J Pharmacol* 162, n.º 6 (2011): 1291-303. E-pub (preprint) 2010.
- Wastle, H. Influence of tea leaves from *Ceanothus americanus* on blood pressure of hypertensive rats. *Fed Proc* 7, n.º 1, part 1 (1948): 131.
- Wollenweber, E., *et al.* Exudate flavonoids of eight species of *Ceanothus* (Rhamnaceae). *Z Naturforsch C* 59, n.º 7-8 (2004): 459-62.
- Yi, J. E. Immunomodulatory effects of betulinic acid from the bark of white birch on mice. *J Vet Sci* 11, n.º 4 (2010): 305-13.
- Yogeeswari, P., *et al.* Betulinic acid and its derivatives: a review on their biological properties. *Curr Med Chem* 12, n.º 6 (2005): 657-66.
- Yoon, J. J., *et al.* Betulinic acid inhibits high glucose-induced vascular smooth muscle cells proliferation and migration. *J Cell Biochem* 111, n.º 6 (2010): 1501-11.
- Yun, Y., *et al.* Immunomodulatory activity of betulinic acid by producing pro-inflammatory cytokines and activation of macrophages. *Arch Pharm Res* 26, n.º 12 (2003): 1087-95.

REISHI

- Ahmadi, K., *et al.* *Ganoderma lucidum* induces the expression of CD40/CD86 on peripheral blood monocytes. *Iran J Immunol* 6, n.º 2 (2009): 87-91.
- Babu, P. D., *et al.* The sacred mushroom «reishi»— a review. *Am Eurasian J Botany* 1, n.º 3 (2008): 107-10.
- Bao, X. F., *et al.* Structural features of immunologically active polysaccharides from *Ganoderma lucidum*. *Phytochemistry* 59, n.º 2 (2002): 175-81.
- Bhagwan, S. S., *et al.* *Ganoderma lucidum*: a potent pharmacological macrofungus. *Curr Pharm Biotechnol* 10 (2009): 717-42.
- Chan, W. K., *et al.* *Ganoderma lucidum* mycelium and spore extracts as natural adjuvants for immunotherapy. *J Altern Complement Med* 11, n.º 6 (2005): 1047-57.
- Chan, W. K., *et al.* Response of human dendritic cells to different immunomodulatory polysaccharides derived from mushroom and barley. *Int Immunol* 19, n.º 7 (2007): 891-99.

- Chang, Y. H., *et al.* *Ganoderma lucidum* extract promotes immune responses in normal BALB/c mice in vivo. *In Vivo* 23, n.º 5 (2009): 755-59.
- Chang, Y. H., *et al.* *Ganoderma lucidum* extracts inhibited leukemia WEHI-3 cells in BALB/c mice and promoted an immune response in vivo. *Biosci Biotechnol Biochem* 73, n.º 12 (2009): 2589-94.
- Chen, S. D., *et al.* Effects of fermentation products of *Ganoderma lucidum* on growth performance and immunocompetence in weanling pigs. *Arch Anim Nutr* 62, n.º 1 (2008): 22-32.
- Chen, W. C., *et al.* Effects of *Ganoderma lucidum* and krestin on subset T-cell in spleen of gamma-irradiated mice. *Am J Chin Med* 23, n.º 3-4 (1995): 289-98.
- Chen, W. Y., *et al.* Effect of reishi polysaccharides on human stem/progenitor cells. *Bioorg Med Chem* 18, n.º 24 (2010): 8583-91.
- Chen, X., *et al.* Monitoring of immune responses to a herbal immune-modulator in patients with advanced colorectal cancer. *Int Immunopharmacol* 6, n.º 3 (2006): 499-508.
- Cheng, C. H., *et al.* The effects of two different *Ganoderma* species (lingzhi) on gene expression in human monocytic THP-1 cells. *Nutr Cancer* 62, n.º 5 (2010): 648-58.
- Cheuk, W., *et al.* Regression of gastric large B-cell lymphoma accompanied by a florid lymphoma-like T-cell reaction: immunomodulatory effect of *Ganoderma lucidum* (lingzhi)? *Int J Surg Pathol* 15, n.º 2 (2007): 180-86.
- EO, S. K., *et al.* Antiviral activities of various water and methanol soluble substances isolated from *Ganoderma lucidum*. *J Ethnopharmacol* 68, n.º 1-3 (1999): 129-36.
- EO, S. K., *et al.* Possible mode of antiviral activity of acidic protein bound polysaccharides isolated from *Ganoderma lucidum* on herpes simplex viruses. *J Ethnopharmacol* 72, n.º 3 (2000): 475-81.
- Gao, Y., *et al.* Antibacterial and antiviral value of the genus *Ganoderma* P. Karst. species (Aphyllophoromycetidae): a review. *Int J Med Mushrooms* 5, n.º 3 (2003): 20.
- Gao, Y., *et al.* Effects of ganopoly (a *Ganoderma lucidum* polysaccharide extract) on the immune functions in advanced-stage cancer patients. *Immunol Invest* 32, n.º 3 (2003): 201-15.
- Gao, Y., *et al.* Effects of water-soluble *Ganoderma lucidum* polysaccharides on the immune functions of patients with advanced lung cancer. *J Med Food* 8, n.º 2 (2005): 159-68.
- Gill, S. K., *et al.* Toxicity of a traditional Chinese medicine, *Ganoderma lucidum*, in children with cancer. *Can J Clin Pharmacol* 15, n.º 2 (2008): e275-85.
- Hijikata, Y., *et al.* Herbal mixtures containing the mushroom *Ganoderma lucidum* improve recovery time in patients with herpes genitalis and labialis. *J Altern Complement Med* 13, n.º 9 (2007): 985-87.
- Hsu, H. Y., *et al.* Reishi immune-modulation protein induces interleukin-2 expression via protein kinase-dependent signaling pathways within human T cells. *J Cell Physiol* 215, n.º 1 (2008): 15-26.
- Hsu, M. J., *et al.* Polysaccharide purified from *Ganoderma lucidum* inhibits spontaneous and Fas-mediated apoptosis in human neutrophils through activation of the phosphatidylinositol 3 kinase/Akt signaling pathway. *J Leukoc Biol* 72, n.º 1 (2002): 207-16.
- Hsu, M. J., *et al.* Signaling mechanisms of enhanced neutrophil phagocytosis and chemotaxis by the polysaccharide purified from *Ganoderma lucidum*. *Br J Pharmacol* 139, n.º 2 (2003): 289-98.
- Hsu, T. L., *et al.* Profiling carbohydrate-receptor interaction with recombinant innate immunity receptor-Fc fusion proteins. *J Biol Chem* 284, n.º 5 (2009): 34479-89.
- Huang, S. Q., *et al.* Extraction of polysaccharide from *Ganoderma lucidum* and its immune enhancement activity. *Int J Biol Macromol* 47, n.º 3 (2010): 336-41.
- Huang, S. Q., *et al.* Optimization of alkaline extraction of polysaccharides from *Ganoderma lucidum* and their effect on immune function of mice. *Molecules* 15, n.º 5 (2010): 3694-708.
- Jeurink, P. V., *et al.* Immunomodulatory capacity of fungal proteins on the cytokine production of human peripheral blood mononuclear cells. *Int Immunopharmacol* 8, n.º 8 (2008): 1124-33.
- Ji, Z., *et al.* Immunomodulation of RAW264.7 macrophages by GLIS, a proteopolysaccharide from *Ganoderma lucidum*. *J Ethnopharmacol* 112, n.º 3 (2007): 445-50.
- Kim, K. C., *et al.* *Ganoderma lucidum* extract protects DNA from strand breakage caused by hydroxyl radical and UV irradiation. *Int J Mol Med* 4, n.º 3 (1999): 273-77.
- Kim, Y. S., *et al.* Antiherpetic activities of acidic protein bound polysaccharides isolated from *Ganoderma lucidum* alone and in combinations with interferons. *J Ethnopharmacol* 72, n.º 3 (2000): 451-58.

- Kohguchi, M., *et al.* Immuno-potentiating effects of the antler-shaped fruiting body of *Ganoderma lucidum* (rokkaku-reishi). *Biosci Biotechnol Biochem* 68, n.° 4 (2004): 881-87.
- Kuo, M. C., *et al.* *Ganoderma lucidum* mycelia enhance innate immunity by activating NF- κ B. *J Ethnopharmacol* 103, n.° 2 (2006): 217-22.
- Li, W. J., *et al.* *Ganoderma atrum* polysaccharide induces antitumor activity via the mitochondrial apoptotic pathway related to activation of host immune response. *J Cell Biochem e-pub* (preprint) December 7, 2010.
- Li, Y. Q., *et al.* Anti-hepatitis B activities of ganoderic acid from *Ganoderma lucidum*. *Biotechnol Lett* 28, n.° 11 (2006): 837-41.
- Lin, J. Y., *et al.* *Ganoderma tsugae* in vivo modulates Th1/Th2 and macrophage responses in an allergic murine model. *Food Chem Toxicol* 44, n.° 12 (2006): 2025-32.
- Lin, K. L., *et al.* Reishi polysaccharides induce immunoglobulin production through the TLR4/TLR2-mediated induction of transcription factor Blimp-1. *J Biol Chem* 281, n.° 34 (2006): 24111-23.
- Lin, Y. L., *et al.* An immunomodulatory protein, ling zhi-8, induced activation and maturation of human monocyte-derived dendritic cells by the NF- κ B and MAPK pathways. *J Leukoc Biol* 86, n.° 4 (2009): 877-89.
- Lin, Y. L., *et al.* Polysaccharide purified from *Ganoderma lucidum* induced activation and maturation of human monocyte-derived dendritic cells by the NF- κ B and p38 mitogen-activated protein kinase pathways. *J Leukoc Biol* 78, n.° 2 (2005): 533-43.
- Lin, Y. L., *et al.* Polysaccharide purified from *Ganoderma lucidum* induces gene expression changes in human dendritic cells and promotes T helper 1 immune response in BALB/c mice. *Mol Pharmacol* 70, n.° 2 (2006): 637-44.
- Lin, Z. B. Cellular and molecular mechanisms of immune-modulation by *Ganoderma lucidum*. *J Pharmacol Sci* 99, n.° 2 (2005): 144-53.
- Lin, Z. B., *et al.* Anti-tumor and immunoregulatory activities of *Ganoderma lucidum* and its possible mechanisms. *Acta Pharmacol Sin* 25, n.° 11 (2004): 1387-95.
- Moradali, M. F., *et al.* Investigation of potential antibacterial properties of methanol extracts from fungus *Ganoderma applanatum*. *Chemotherapy* 52, n.° 5 (2006): 241-44.
- Mothana, R. A., *et al.* Antiviral lanostanoid triterpenes from the fungus *Ganoderma pfeifferi*. *Fitoterapia* 74, n.° 1-2 (2003): 177-80.
- Mothana, R. A., *et al.* Ganomycins A and B, new antimicrobial farnesyl hydroquinones from the basidiomycete *Ganoderma pfeifferi*. *J Nat Prod* 63, n.° 3 (2000): 416-18.
- Neidermeyer, T. H., *et al.* Antiviral terpenoid constituents of *Ganoderma pfeifferi*. *J Nat Prod* 68, n.° 12 (2005): 1728-31.
- Ofodile, L. N., *et al.* Antimicrobial activity of some *Ganoderma* species from Nigeria. *Phytother Res* 19, n.° 4 (2005): 310-13.
- Oh, K. W., *et al.* Antiherpetic activities of acidic protein bound polysaccharide isolated from *Ganoderma lucidum* alone and in combinations with acyclovir and vidarabine. *J Ethnopharmacol* 72, n.° 1-2 (2000): 221-27.
- Quereshi, S., *et al.* Evaluation of antibacterial activity of different *Ganoderma lucidum* extracts. *People's J Scientif Res* 3, n.° 1 (2010): 9-13.
- Russell, R., *et al.* *Ganoderma*; a therapeutic fungal biofactory. *Phytochemistry* 67, n.° 18 (2006): 1985-2001.
- Sanodiya, B. S., *et al.* *Ganoderma lucidum*: a potent pharmacological macrofungus. *Curr Pharm Biotechnol* 10, n.° 8 (2009): 717-42.
- Shao, B. M., *et al.* Immune receptors for polysaccharides from *Ganoderma lucidum*. *Biochem Biophys Res Commun* 323, n.° 1 (2004): 133-41.
- Sliva, Daniel. *Ganoderma lucidum* in cancer research, *Leukemia Res* 30 (2006): 767-68.
- Sliva, D., *et al.* Biological activity of spores and dried powder from *Ganoderma lucidum* for the inhibition of highly invasive human breast and prostate cancer cells. *J Altern Complement Med* 9, n.° 4 (2003): 491-97.
- Smania, E. F., *et al.* Antifungal activity of sterols and triterpenes isolated from *Ganoderma annulare*. *Fitoterapia* 74, n.° 4 (2003): 375-77.

- Smânia, J. A., *et al.* Derivation does not influence antimicrobial and antifungal activities of applanoxicide acids and sterols from *Ganoderma* spp. *Z Naturforsch C* 61, n.º 1-2 (2006): 31-34.
- Spelman, K., *et al.* Traditional herbal remedies that influence cell adhesion molecule activity. *Phytother Res* 25, n.º 4 (2011): 473-83. E-pub (preprint) November 23, 2010.
- Stamets, P. Products for log and stump cultivation. On the website of Fungi Perfecti. fungi.com/plus/index.html (accessed January 30, 2012).
- Sun, L. X., *et al.* Promoting effects of *Ganoderma lucidum* polysaccharides on B16F10 cells to activate lymphocytes. *Basic Clin Pharmacol Toxicol* 108, n.º 3 (2011): 149-54. E-pub (preprint) October 22, 2010.
- Volman, J. J., *et al.* Effects of mushroom-derived beta-glucan-rich polysaccharide extracts on nitric oxide production by bone marrow-derived macrophages and nuclear factor-kappaB transactivation in Caco-2 reporter cells: can effects be explained by structure? *Mol Nutr Food Res* 54, n.º 2 (2010): 268-76.
- Wachtel-Galor, S., *et al.* *Ganoderma lucidum* («lingzhi»), a Chinese medicinal mushroom: biomarker responses in a controlled human supplementation study. *Br J Nutr* 91, n.º 2 (2004): 263-69.
- Wang, G., *et al.* Enhancement of IL-2 and IFN- gamma expression and NK cells activity involved in the anti-tumor effect of ganoderic acid Me in vivo. *Int Immunopharmacol* 7, n.º 6 (2007): 864-70.
- Wang, X., *et al.* Effects of *Ganoderma lucidum* polysaccharides on CYP2E1, CYP1A2 and CYP3A activities in BCG-immune hepatic injury in rats. *Biol Pharm Bull* 30, n.º 9 (2007): 1702-6.
- Wang, X., *et al.* HPLC method for the determination and pharmacokinetic studies of four triterpenoids in rat plasma after oral administration of *Ganoderma lucidum* extract. *Biomed Chromatogr* 21, n.º 4 (2007): 389-96.
- Wasser, S. P. Reishi or ling zhi (*Ganoderma lucidum*). In *Encyclopedia of Dietary Supplements*, ed. P. M. Coates *et al.*, 603-22. New York: Marcel Dekker, 2005. Reproduced online at
- Xie, J. T., *et al.* *Ganoderma lucidum* extract inhibits proliferation of SW 480 human colorectal cancer cells. *Exp Oncol* 28, n.º 1 (2006): 25-29.
- Yeh, C. H., *et al.* Polysaccharides PS-G and protein LZ-8 from reishi (*Ganoderma lucidum*) exhibit diverse functions in regulating murine macrophages and T lymphocytes. *J Agric Food Chem* 58, n.º 15 (2010): 8535-44.
- Yin, G., *et al.* Chinese herbs (astragalus radix and *Ganoderma lucidum*) enhance immune response of carp, *Cyprinus carpio*, and protection against *Aeromonas hydrophila*. *Fish Shellfish Immunol* 26, n.º 1 (2009): 140-45.
- Yoon, S. Y., *et al.* Antimicrobial activity of *Ganoderma lucidum* extract alone and in combination with some antibiotics. *Arch Pharm Res* 17, n.º 6 (1994): 438-42.
- Yue, G. G., *et al.* Comparative studies of various *Ganoderma* species and their different parts with regard to their antitumor and immunomodulating activities in vitro. *J Altern Complement Med* 12, n.º 8 (2006): 777-89.
- Yuen, J. W., *et al.* Anticancer effects of *Ganoderma lucidum*: a review of scientific evidence. *Nutr Cancer* 53, n.º 1 (2005): 11-17.
- Zhang, G. L., *et al.* Hepatoprotective role of *Ganoderma lucidum* polysaccharide against BCG-induced immune liver injury in mice. *World J Gastroenterol* 8, n.º 4 (2002): 728-33.
- Zhang, J., *et al.* GLIS, a bioactive proteoglycan fraction from *Ganoderma lucidum*, displays anti-tumour activity by increasing both humoral and cellular immune response. *Life Sci* 87, n.º 19-22 (2010): 628-37.
- Zhang, J. P., *et al.* Lipid extract from completely sporoderm-broken germinating *Ganoderma sinensis* spores elicits potent antitumor immune responses in human macrophages. *Phytother Res* 23, n.º 6 (2009): 844-50.
- Zhang, Y., *et al.* Effects of *Ganoderma lucidum* capsules on T lymphocytes subsets in football players on «living high-training low.» *Br J Sports Med* 42, n.º 10 (2008): 819-22.
- Zhao, H., *et al.* Enteric mucosal immune response might trigger the immunomodulation activity of *Ganoderma lucidum* polysaccharide in mice. *Planta Med* 76, n.º 3 (2010): 223-27.
- Zhou, G. Q., *et al.* Effect of *Ganoderma lucidum* polysaccharides on intestinal mucosal immune system in H22 liver cancer bearing mice. *Zhongguo Zhong Xi Yi Jie He Za Zhi* 29, n.º 4 (2009): 335-39.

- Zhou, X., *et al.* Ganodermataceae: natural products and their related pharmacological functions. *Am J Chin Med* 35, n.° 4 (2007): 559-74.
- Zhu, X. L., *et al.* Effects of *Ganoderma lucidum* polysaccharides on proliferation and cytotoxicity of cytokine-induced killer cells. *Acta Pharmacol Sin* 26, n.° 9 (2005): 1130-37.

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- Abidoff, M., and Z. Ramazanov. *Rhodiola rosea*: the herbal heavyweight from Russia. *Muscle Development* (January 2003). com.au/articles/RhodiolaPDF%20on%20Physical%20Performance.pdf.
- Abidov, M., *et al.* Effect of extracts from *Rhodiola rosea* and *Rhodiola crenulata* (Crassulaceae) roots on ATP content in mitochondria of skeletal muscles. *Bull Exp Biol Med* 136, n.° 6 (2003): 585-87.
- Abidov, M., *et al.* Extract of *Rhodiola rosea* radix reduces the level of C-reactive protein and creatinine kinase in the blood. *Bull Exp Biol Med* 138, n.° 1 (2004): 63-64.
- Akgul, Y., *et al.* Lotaustralin from *Rhodiola rosea* roots. *Fitoterapia* 75, n.° 6 (2004): 612-14.
- An, F., *et al.* Determination of salidroside in eight *Rhodiola* species by TLC-UV spectrometry. *Zhongguo Zhong Yao Za Zhi* 23, n.° 1 (1998): 43-44, 64.
- Anonymous. *Rhodiola*. On the website of Paradise Herbs. uploads/research/Rhodiola.pdf (accessed February 8, 2012).
- Anonymous. *Rhodiola integrifolia* Raf. Entry in the U.S. Department of Agriculture Natural Resources Conservation Service PLANTS Database. profile?symbol=RHINI (accessed December 10, 2010).
- Anonymous. *Rhodiola rhodantha*. Entry in Plants for a Future database. Plant.aspx?LatinName=Rhodiola+rhodantha (accessed December 21, 2011).
- Anonymous. *Rhodiola rhodantha*. Entry in the U.S. Department of Agriculture Natural Resources Conservation Service PLANTS Database. <http://plants.usda.gov/java/profile?symbol=RHRH4> (accessed December 10, 2010).
- Anonymous. *Rhodiola rosea*. Monograph. *Altern Med Rev* 7, n.° 5 (2002): 421-23. Anonymous. *Rhodiola rosea*. Wikipedia. http://en.Wikipedia.org/wiki/Rhodiola_rosea (accessed February 12, 2011).
- Anonymous. *Rhodiola rosea* L. Entry in the Global Biodiversity Information Facility database. [rosea](http://www.gbif.org/species/1000000000) (accessed December 10, 2010).
- Anonymous. *Rhodiola rosea* L. Entry in the U.S. Department of Agriculture Natural Resources Conservation Service PLANTS Database. <http://plants.usda.gov/java/profile?symbol=RHRO3> (accessed December 10, 2010).
- Anonymous. Study on the chemical constituents from *Rhodiola bupleuroides*. Magazine abstract, October 10, 2008. php/4735.htm.
- Arora, R., *et al.* Evaluation of radioprotective activities *Rhodiola imbricata* Edgew—a high altitude plant. *Mol Cell Biochem* 273, n.° 1-2 (2005): 209-23.
- Aslanyan, G., *et al.* Double-blind, placebo- controlled, randomized study of single dose effects of ADAPT-232 on cognitive functions. *Phytomedicine* 17, n.° 7 (2010): 494-99.
- Battistelli, M., *et al.* *Rhodiola rosea* as antioxidant in red blood cells: ultrastructural and hemolytic behaviour. *Eur J Histochem* 49, n.° 3 (2005): 243-54.
- Bocharova, O. A., *et al.* The effect of a *Rhodiola rosea* extract on the incidence of recurrences of a superficial bladder cancer (experimental clinical research). *Urol Nefrol* (Moscow) 2 (1995): 46-47.
- Brown, R. P., *et al.* *Rhodiola rosea*: a phytomedicinal overview. *HerbalGram* 56 (2002): 40-52.
- Bystritsky, A., *et al.* A pilot study of *Rhodiola rosea* (Rhodax) for generalized anxiety disorder (GAD). *J Altern Complement Med* 14, n.° 2 (2008): 175-80.
- Calcabrini, C., *et al.* *Rhodiola rosea* ability to enrich cellular antioxidant defences of cultured human keratinocytes. *Arch Dermatol Res* 302, n.° 3 (2010): 191-200.
- Cao, L. L., *et al.* The effect of salidroside on cell damage induced by glutamate and intracellular free calcium in PC12 cells. *J Asian Nat Prod Res* 8, n.° 1-2 (2006): 159-65.
- Chem, X., *et al.* Hypoglycemic effect of *Rhodiola sachalinensis* A. Bor. polysaccharides: comparison of administration in different ways. *Zhongguo Zhong Yao Za Zhi* 21, n.° 11 (1996): 685-87.

- Chen, C. H., *et al.* Antioxidant activity of some plant extracts towards xanthine oxidase, lipoxigenase and tyrosinase. *Molecules* 14, n.º 8 (2009): 2947-58.
- Chen, Q. G., *et al.* The effects of *Rhodiola rosea* extract on 5-HT level, cell proliferation and quantity of neurons at cerebral hippocampus of depressive rats. *Phytomedicine* 16, n.º 9 (2009): 830-38.
- Chen, T. S., *et al.* Antioxidant evaluation of three adaptogen extracts. *Am J Chin Med* 36, n.º 6 (2008): 1209-17.
- Chen, X., *et al.* Protective effect of salidroside against H₂O₂-induced cell apoptosis in primary culture of rat hippocampal neurons. *Mol Cell Biochem* 332, n.º 1-2 (2009): 85-93.
- Cui, S., *et al.* Determination of p-tyrosol and salidroside in three samples of *Rhodiola crenulata* and one of *Rhodiola kirilowii* by capillary zone electrophoresis. *Anal Bioanal Chem* 377, n.º 2 (2003): 370-74.
- Darbinyan, V., *et al.* Clinical trial of *Rhodiola rosea* L. extract SHR-5 in the treatment of mild to moderate depression. *Nord J Psychiatry* 61, n.º 5 (2007): 343-48.
- Darbinyan, V., *et al.* *Rhodiola rosea* in stress induced fatigue—a double blind cross-over study of a standardized extract SHR-5 with a repeated low-dose regimen on the mental performance of healthy physicians during night duty. *Phytomedicine* 7, n.º 5 (2000): 365-71.
- De Bock, K., *et al.* Acute *Rhodiola rosea* intake can improve endurance exercise performance. *Int J Sport Nutr Exerc Metab* 14, n.º 3 (2004): 298-307.
- De Sanctis, R., *et al.* In vitro protective effect of *Rhodiola rosea* extract against hypochlorous acid-induced oxidative damage in human erythrocytes. *Biofactors* 20, n.º 3 (2004): 147-59. Dieamant, G. C., *et al.* Neuroimmunomodulatory compound for sensitive skin care: in vitro and clinical assessment. *J Cosmet Dermatol* 7, n.º 2 (2008): 112-19.
- Evdokimov, V. G., *et al.* Effect of cryopowder *Rhodiola rosea* L. on cardiorespiratory parameters and physical performance of humans. *Aviakosm Ekolog Med* 43, n.º 6 (2009): 52-56.
- Evstatieva, L., *et al.* Chemical composition of the essential oils of *Rhodiola rosea* L. of three different origins. *Pharmacogn Mag* 6, n.º 24 (2010): 256-58.
- Fan, W., *et al.* Prolyl endopeptidase inhibitors from the underground part of *Rhodiola sachalinensis*. *Chem Pharm Bull (Tokyo)* 49, n.º 4 (2001): 396-401.
- Fintelman, V., *et al.* Efficacy and tolerability of a *Rhodiola rosea* extract in adults with physical and cognitive deficiencies. *Adv Ther* 24, n.º 4 (2007): 929-39.
- Galambosi, B. Demand and availability of *Rhodiola rosea* L. raw material. Chapter 16 in *Medicinal and Aromatic Plants*, ed. R. J. Bogers *et al.*, 223-36. Wageningen UR Frontis series, vol. 17. Springer, 2006.
- Gao, D., *et al.* Antidiabetic potential of *Rhodiola sachalinensis* root extract in streptozotocin- induced diabetic rats. *Methods Find Exp Clin Pharmacol* 31, n.º 6 (2009): 375-81.
- Gauger, K. J., *et al.* *Rhodiola crenulata* inhibits the tumorigenic properties of invasive mammary epithelial cells with stem cell characteristics. *J Med Plants Res* 4, n.º 6 (2010): 446-54.
- Goel, H. C., *et al.* Radioprotection by *Rhodiola imbricata* in mice against whole-body lethal irradiation. *J Med Food* 9, n.º 2 (2006): 154-60.
- Grace, M. H., *et al.* Phytochemical characterization of an adaptogenic preparation from *Rhodiola heterodonta*. *Nat Prod Commun* 4, n.º 8 (2009): 1053-58.
- Guest, H. J. Molecular phylogeography of *Rhodiola integrifolia* (Crassulaceae) and its postglacial recolonization of north-western North America. Poster presented at the Botany 2006 conference at California State University at Chico, July 28-August 2, 2006. botanyconference.org/engine/search/index.php?func=detail&aid=668.
- Guest, H. J. Systematic and phylogeographic implications of molecular variation in the western North American roseroot, *Rhodiola integrifolia* (Crassulaceae). Master's thesis, University of Victoria (British Columbia), 2001.
- Guo, Y. Synthesis, biological activity of salidroside and its analogues. *Chem Pharm Bull (Tokyo)* 58, n.º 12 (2010): 1627-29.
- Gupta, A., *et al.* Effects of *Rhodiola imbricata* on dermal wound healing. *Planta Med* 73, n.º 8 (2007): 774-77.
- Gupta, V., *et al.* Anti-oxidative effect of *Rhodiola imbricata* root extract in rats during cold, hypoxia and restraint (C-H-R) exposure and post-stress recovery. *Food Chem Toxicol* 48, n.º 4 (2010): 1019-25.

- Gupta, V., *et al.* A dose dependent adaptogenic and safety evaluation of *Rhodiola imbricata* Edgew, a high altitude rhizome. *Food Chem Toxicol* 46, n.° 5 (2008): 1645-52.
- Gupta, V., *et al.* Mechanism of action of *Rhodiola imbricata* Edgew during exposure to cold, hypoxia and restraint (C-H-R) stress induced hypothermia and post stress recovery in rats. *Food Chem Toxicol* 47, n.° 6 (2009): 1239-45.
- Ha, Z., *et al.* The effect of rhodiola and acetazolamide on the sleep architecture and blood oxygen saturation in men living at high altitude. *Zhonghua Jie He He Hu Xi Za Zhi* 25, n.° 9 (2002): 527-30.
- Hellum, B. H., *et al.* Potent in vitro inhibition of CYP3A4 and P-glycoprotein by *Rhodiola rosea*. *Planta Med* 76, n.° 4 (2010): 331-38.
- Huang, S. C., *et al.* Attenuation of long-term *Rhodiola rosea* supplementation on exhaustive swimming-evoked oxidative stress in the rat. *Chin J Physiol* 52, n.° 5 (2009): 316-24.
- Hung, S. K., *et al.* The effectiveness and efficacy of *Rhodiola rosea* L.: a systematic review of randomized clinical trials. *Phytomedicine* 18, n.° 4 (2011): 235-44. E-pub (preprint) October 30, 2010.
- Iaremi, I. N., *et al.* Hepatoprotective properties of liquid extract of *Rhodiola rosea*. *Eksp Klin Farmakol* 65, n.° 6 (2002): 57-59.
- Jafari, M., *et al.* *Rhodiola*: a promising anti-aging Chinese herb. *Rejuvenation Res* 10, n.° 4 (2007): 587-602.
- Jang, S. L. Salidroside from *Rhodiola sachalinensis* protects neuronal PC12 cells against cytotoxicity induced by amyloid-beta. *Immunopharmacol Immunotoxicol* 25, n.° 3 (2003): 295-304.
- Jeong, H. J., *et al.* Neuraminidase inhibitory activities of flavonoids isolated from *Rhodiola rosea* roots and their in vitro anti-influenza viral activities. *Bioorg Med Chem* 17, n.° 19 (2009): 6816-23.
- Kang, S., *et al.* Comparative study of the constituents from 10 *Rhodiola* plants. *Zhong Yao Cai* 20, n.° 12 (1997): 616-18.
- Kanupriya., *et al.* Cytoprotective and antioxidant activity of *Rhodiola imbricata* against tert-butyl hydroperoxide induced oxidative injury in U-937 human macrophages. *Mol Cell Biochem* 275, n.° 1-2 (2005): 1-6.
- Kelly, G. S. *Rhodiola rosea*: a possible plant adaptogen. *Altern Med Rev* 6, n.° 3 (2001): 293-302.
- Khanum, F., *et al.* *Rhodiola rosea*: a versatile adaptogen. *Inst Food Tech* 4 (2005): 55-62.
- Kobayashi, K., *et al.* Constituents of *Rhodiola rosea* showing inhibitory effect on lipase activity in mouse plasma and alimentary canal. *Planta Med* 74, n.° 14 (2008): 1716-19.
- Kormosh, N., *et al.* Effect of a combination of extract from several plants on cell-mediated and humoral immunity of patients with advanced ovarian cancer. *Phytother Res* 20, n.° 5 (2006): 424-25.
- Kucinskaite, A., *et al.* Evaluation of biologically active compounds in roots and rhizomes of *Rhodiola rosea* L. cultivated in Lithuania. *Medicina* (Kaunas) 43, n.° 6 (2007): 487-494, 2007.
- Kucinskaite, A., *et al.* Experimental analysis of therapeutic properties of *Rhodiola rosea* L. and its possible application in medicine. *Medicina* (Kaunas) 40, n.° 7 (2004): 614-19.
- Kwon, Y. I., *et al.* Evaluation of *Rhodiola crenulata* and *Rhodiola rosea* for management of type II diabetes and hypertension. *Asia Pac J Clin Nutr* 15, n.° 3 (2006): 425-32.
- Lee, F. T., *et al.* Chronic *Rhodiola rosea* extract supplementation enforces exhaustive swimming tolerance. *Am J Chin Med* 37, n.° 3 (2009): 557-72.
- Lee, M. W., *et al.* Antioxidative phenolic compounds from the roots of *Rhodiola sachalinensis* A. Bor. *Arch Pharm Res* 23, n.° 5 (2000): 455-58.
- Lei, Y., *et al.* Chemical composition of the essential oils of two *Rhodiola* species from Tibet. *Z Naturforsch C* 58, n.° 3-4 (2003): 161-64.
- Li, C., *et al.* Study on the extraction process for salidroside and p-tyrosol in *Rhodiola crenulata*. *Zhong Yao Cai* 29, n.° 11 (2006): 1239-41.
- Li, H. B., *et al.* Salidroside stimulated glucose uptake in skeletal muscle cells by activating AMP-activated protein kinase. *Eur J Pharmacol* 588, n.° 2-3 (2008): 165-69.
- Li, H. X., *et al.* Production of Th1- and Th2- dependent cytokines induced by the Chinese medicine herb, *Rhodiola algida*, on human peripheral blood monocytes. *J Ethnopharmacol* 123, n.° 2 (2009): 257-66.

- Li, J., *et al.* Effect of rhodiola on expressions of Flt-1, KDR and Tie-2 in rats with ischemic myocardium. *Zhongguo Zhong Xi Yi Jie He Za Zhi* 25, n.º 5 (2005): 445-48.
- Li, T., *et al.* Identification and comparative determination of rhodionin in traditional Tibetan medicinal plants of fourteen *Rhodiola* species by high-performance liquid chromatography-photodiode array detection and electrospray ionization-mass spectrometry. *Chem Pharm Bull* (Tokyo) 56, n.º 6 (2008): 807-14.
- Li, T., *et al.* Pharmacological studies on the sedative and hypnotic effect of salidroside from the Chinese medicinal plant *Rhodiola sachalinensis*. *Phytomedicine* 14, n.º 9 (2007): 601-4.
- Li, X., *et al.* Bioactive constituents from Chinese natural medicines. XXIX. Monoterpene and monoterpene glycosides from the roots of *Rhodiola sachalinensis*. *Chem Pharm Bull* (Tokyo) 56, n.º 4 (2008): 612-15.
- Liu, Q., *et al.* Phenolic components from *Rhodiola dumulosa*. *Zhongguo Zhong Yao Za Zhi* 33, n.º 4 (2008): 411-13.
- Lovieno, N., *et al.* Second-tier natural antidepressants: review and critique, *J Affect Disord* 130, n.º 3 (2011): 343-57. E-pub (preprint) June 26, 2010.
- Luo, D., *et al.* Studies on the chemical constituents from *Rhodiola dumulosa* (L). *Zhong Yao Cai* 28, n.º 2 (2005): 98-99.
- Ma, G., *et al.* Rhodiolosides A-E, monoterpene glycosides from *Rhodiola rosea*. *Chem Pharm Bull* (Tokyo) 54, n.º 8 (2006): 1229-33.
- Majewska, A., *et al.* Antiproliferative and antimitotic effect, S phase accumulation and induction of apoptosis and necrosis after treatment of extract from *Rhodiola rosea* rhizomes on HL-60 cells. *J Ethnopharmacol* 103, n.º 1 (2006): 43-52.
- Maslov, L. N., *et al.* Antiarrhythmic activity of phytoadaptogens in short-term ischemia- reperfusion of the heart and postinfarction cardiosclerosis. *Bull Exp Biol Med* 147, n.º 3 (2009): 331-34.
- Maslova, L. V., *et al.* The cardioprotective and antiadrenergic activity of an extract of *Rhodiola rosea* in stress. *Eksp Klin Farmakol* 57, n.º 6 (1994): 61-63.
- Mattioli, L., *et al.* Effects of *Rhodiola rosea* L. extract on behavioural and physiological alterations induced by chronic mild stress in female rats. *J Psychopharmacol* 23, n.º 2 (2009): 130-42.
- Mattioli, L., *et al.* *Rhodiola rosea* L. extract reduces stress- and CRF-induced anorexia in rats. *J Psychopharmacol* 21, n.º 7 (2007): 742-50. Meng, L. Q., *et al.* Efficacy of observation Xinnaxin capsules in treatment of chronic cerebral circulatory insufficiency. *Zhongguo Zhong Yao Za Zhi* 32, n.º 17 (2007): 1798-800.
- Ming, D. S., *et al.* Bioactive compounds from *Rhodiola rosea* (Crassulaceae). *Phytother Res* 19, n.º 9 (2005): 740-43.
- Mishra, K. P., *et al.* Adjuvant effect of aqueous extract of *Rhodiola imbricata* rhizome on the immune responses to tetanus toxoid and ovalbumin in rats. *Immunopharmacol Immunotoxicol* 32, n.º 1 (2010): 141-46.
- Mishra, K. P., *et al.* Aqueous extract of *Rhodiola imbricata* rhizome inhibits proliferation of an erythroleukemic cell line K-562 by inducing apoptosis and cell cycle arrest at G2/M phase. *Immunobiology* 213, n.º 2 (2008): 125-31.
- Mishra, K. P., *et al.* Aqueous extract of *Rhodiola imbricata* rhizome stimulates proinflammatory mediators via phosphorylated I κ BB and transcription factor nuclear factor-kappaB. *Immunopharmacol Immunotoxicol* 28, n.º 2 (2006): 201-12.
- Mishra, K. P., *et al.* Aqueous extract of *Rhodiola imbricata* rhizome stimulates Toll-like receptor 4, granzyme-B and Th1 cytokines in vitro. *Immunobiology* 214, n.º 1 (2009): 27-31.
- Mook-Jung, I., *et al.* Neuroprotective effects of constituents of the Oriental crude drugs, *Rhodiola sacra*, *R. sachalinensis* and tokaku-joki- to, against beta-amyloid toxicity, oxidative stress and apoptosis. *Biol Pharm Bull* 25, n.º 8 (2002): 1101-4.
- Moran, R. V. *Rhodiola integrifolia*. In *Flora of North America* 8, ed. Flora of North America Steering Committee, 164-66. New York and Oxford, 2009. id=1&taxon_id=250092043.
- Morgan, M., *et al.* *Rhodiola rosea*—rhodiola. *Chem Pharm Bull* (Tokyo) 47 (2005): 1-4. Nakamura, S., *et al.* Bioactive constituents from Chinese natural medicines. XXXVI. Chemical structures and hepatoprotective effects of constituents from roots of *Rhodiola sachalinensis*. *Chem Pharm Bull* (Tokyo) 55, n.º 10 (2007): 1505-11.

- Nakamura, S., *et al.* Bioactive constituents from Chinese natural medicines. XXXVIII. Chemical structures of acyclic glycosides from the roots of *Rhodiola crenulata*. *Chem Pharm Bull* (Tokyo) 56, n.º 4 (2008): 536-40.
- Narimanian, M., *et al.* Impact of Chisan (ADAPT-232) on the quality-of-life and its efficacy as an adjuvant in the treatment of acute non-specific pneumonia. *Phytomedicine* 12, n.º 10 (2005): 723-29.
- Olsson, E. M., *et al.* A randomized, double-blind, placebo-controlled, parallel-group study of the standardized extract SHR-5 of the roots of *Rhodiola rosea* in the treatment of subjects with stress-related fatigue. *Planta Med* 75, n.º 2 (2009): 105-12.
- Pae, H. O., *et al.* *Rhodiola sachalinensis* induces the expression of inducible nitric oxide synthase gene by murine fetal hepatocytes (BNL CL. 2). *Immunopharmacol Immunotoxicol* 23, n.º 1 (2001): 25-33.
- Panosian, A., *et al.* Comparative study of *Rhodiola* preparations on behavioral despair of rats. *Phyto-medicine* 15, n.º 1-2 (2008): 84-91.
- Panosian, A., *et al.* Evidence-based efficacy of adaptogens in fatigue, and molecular mechanisms related to their stress-protective activity. *Curr Clin Pharmacol* 4, n.º 3 (2009): 198-219.
- Panosian, A., *et al.* Rosenroot (*Rhodiola rosea*): traditional use, chemical composition, pharmacology and clinical efficacy. *Phytomedicine* 17, n.º 7 (2010): 481-93.
- Parisi, A., *et al.* Effects of chronic *Rhodiola rosea* supplementation on sport performance and antioxidant capacity in trained male: preliminary results. *J Sports Med Phys Fitness* 50, n.º 1 (2010): 57-63.
- Pashkevich, I. A., *et al.* Comparative evaluation of effects of p-tyrosol and *Rhodiola rosea* extract on bone marrow cells in vivo. *Eksp Klin Farmakol* 66, n.º 4 (2003): 50-52.
- Peng, J. N., *et al.* Chemical constituents of *Rhodiola kirilowii* (Regel) Regel. *Zhongguo Zhong Yao Za Zhi* 19, n.º 11 (1994): 676-77, 702.
- Peng, J. N., *et al.* Studies on the chemical constituents of *Rhodiola fastigata*. *Yao Xue Xue Bao* 31, n.º 10 (1996): 798-800.
- Pererva, T. P., *et al.* Interaction of *Ungernia victoris*, *Rhodiola rosea* and *Polyscias filicifolia* plant extracts with bacterial cells. *Tsitol Genet* 44, n.º 4 (2010): 34-40.
- Perfumi, M., *et al.* Adaptogenic and central nervous system effects of single doses of 3% rosavin and 1% salidroside *Rhodiola rosea* L. extract in mice. *Phytother Res* 21, n.º 1 (2007): 37-43.
- Pickut, W. The uses of the *Rhodiola integrifolia* herb. LIVESTRONG.com, July 13, 2010. <http://lives-trong.com/article/173782-the-uses-of-the-rhodiola-integrifolia-herb/>.
- Platikanov, S., *et al.* Introduction of wild golden root (*Rhodiola rosea* L.) as a potential economic crop in Bulgaria. *Econ Bot* 20, n.º 10 (2008): 1-7.
- Pooja., *et al.* Anti-inflammatory activity of *Rhodiola rosea*—a second-generation adaptogen. *Phytother Res* 23, n.º 8 (2009): 1099-102.
- Qin, Y. J., *et al.* Effects of *Rhodiola rosea* on level of 5-hydroxytryptamine, cell proliferation and differentiation, and number of neuron in cerebral hippocampus of rats with depression induced by chronic mild stress. *Zhongguo Zhong Yao Za Zhi* 33, n.º 23 (2008): 2842-46.
- Qu, Z. Q., *et al.* Pretreatment with *Rhodiola rosea* extract reduces cognitive impairment induced by intracerebroventricular streptozotocin in rats: implications of anti-oxidative and neuroprotective effects. *Biomed Environ Sci* 22, n.º 4 (2009): 318-26.
- Rohloff, J., *et al.* Volatiles from rhizomes of *Rhodiola rosea* L. *Phytochemistry* 59, n.º 6 (2002): 655-61.
- Ruan, X., *et al.* Analysis on the trace element and amino acid content in xinjiang 6 series *Rhodiola* L. plant. *Guang Pu Xue Yu Guang Pu Fen Xi* 21, n.º 4 (2001): 542-44.
- Schittko, U., and J. Grann. *Rhodiola integrifolia*: hybrid origin and medicinal ancestry. In *Proceedings of the North Dakota Academy of Science*, April 2008. Available online on the CBS Interactive website at articles/mi_hb253/is_62/ai_n29437249/.
- Schriner, S. E., *et al.* Decreased mitochondrial superoxide levels and enhanced protection against paraquat in *Drosophila melanogaster* supplemented with *Rhodiola rosea*. *Free Radic Res* 43, n.º 9 (2009): 836-43.
- Schriner, S. E., *et al.* Protection of human cultured cells against oxidative stress by *Rhodiola rosea* without activation of antioxidant defenses. *Free Radic Biol Med* 47, n.º 5 (2009): 577-84.

- Schutgens, F. W., *et al.* The influence of adaptogens on ultraweak biophoton emission: a pilot-experiment. *Phytother Res* 23, n.º 8 (2009): 1103-8.
- Seikou, N., *et al.* Bioactive constituents from Chinese natural medicines. XXVI. Chemical structures and hepatoprotective effects of constituents from roots of *Rhodiola sachalinensis*. *Chem Pharm Bull* (Tokyo) 55, no.v 10 (2007): 1505-11.
- Seo, W. G., *et al.* The aqueous extract of *Rhodiola sachalinensis* root enhances the expression of inducible nitric oxide synthase gene in RAW264.7 macrophages. *J Ethnopharmacol* 76, n.º 1 (2001): 119-23.
- Shen, W., *et al.* Effects of rhodiola on expression of vascular endothelial cell growth factor and angiogenesis in aortic atherosclerotic plaque of rabbits. *Zhongguo Zhong Yi Yi Jie He Za Zhi* 28, n.º 11 (2008): 1022-5.
- Shevtsov, V. A., *et al.* A randomized trial of two different doses of a SHR-5 *Rhodiola rosea* extract versus placebo and control of capacity for mental work. *Phytomedicine* 19, n.º 2-3 (2003): 95-105.
- Shi, C. D., *et al.* Automatic nervous system mediates the cardiovascular effects of *Rhodiola sacra* radix in rats. *J Ethnopharmacol* 119, n.º 2 (2008): 284-90.
- Sio-Po, I., *et al.* Association of free radicals and the tissue renin-angiotensin system: prospective effects of *Rhodiola*, a genus of Chinese herb, on hypoxia-induced pancreatic injury, *JOP* 2, n.º 1 (2001): 16-25.
- Skopinska-Rózewska, E., *et al.* The effect of *Rhodiola quadrafida* extracts on cellular immunity in mice and rats. *Pol J Vet Sci* 11, n.º 2 (2008): 105-11.
- Skopinska-Rózewska, E., *et al.* The influence of *Rhodiola quadrafida* 50% hydro-alcoholic extract and salidroside on tumor-induced angiogenesis in mice. *Pol J Vet Sci* 11, n.º 2 (2008): 97-104.
- Smith, H. I. Materia medica of the Bella Coola and neighboring tribes of British Columbia. In *Annual report for 1927*, bulletin n.º 56 of the Canada Department of Mines and the National Museum of Canada, 47-68. Ottawa: F. A. Acland, 1929. Reproduced online at net/swsbm/Ethnobotany/Bella_Coola_Materia_Medica.pdf.
- Spasov, A. A., *et al.* A double-blind, placebo-controlled pilot study of the stimulating and adaptogenic effect of *Rhodiola rosea* SHR-5 extract on the fatigue of students caused by stress during an examination period with a repeated low-dose regimen. *Phytomedicine* 7, n.º 2 (2000): 85-89.
- Spasov, A. A., *et al.* The effect and preparation of rodakson on the psychophysiological and physical adaptation of students to an academic load. *Eksp Klin Farmakol* 63, n.º 1 (2000): 76-78.
- Tan, C. B., *et al.* Protective effect of salidroside on endothelial cell apoptosis induced by cobalt chloride. *Biol Pharm Bull* 32, n.º 8 (2009): 1359-63.
- Tolonen, A., *et al.* Phenylpropanoid glycosides from *Rhodiola rosea*. *Chem Pharm Bull* (Tokyo) 51, n.º 4 (2003): 467-70.
- Tu, Y., *et al.* *Rhodiola crenulata* induces death and inhibits growth of breast cancer cell lines. *J Med Food* 11, n.º 3 (2008): 413-23.
- van Diermen, D., *et al.* Monoamine oxidase inhibition by *Rhodiola rosea* L. roots. *J Ethnopharmacol* 122, n.º 2 (2009): 397-401.
- Walker, T. B., *et al.* Does *Rhodiola rosea* possess ergogenic properties? *Int J Sport Nutr Exerc Metab* 16, n.º 3 (2006): 305-15.
- Wang, H., *et al.* The in vitro and in vivo antiviral effects of salidroside from *Rhodiola rosea* L. against Coxsackievirus B3. *Phytomedicine* 16, n.º 2-3 (2009): 146-55.
- Wang, Q., *et al.* Salidroside protects the hypothalamic-pituitary-gonad axis of male rats undergoing negative psychological stress in experimental navigation and intensive exercise. *Zhonghua Nan Ke Xue* 15, n.º 4 (2009): 331-36.
- Wiedenfeld, H., *et al.* Phytochemical and analytical studies of extracts from *Rhodiola rosea* and *Rhodiola quadrafida*. *Pharmazie* 62, n.º 4 (2007): 308-11.
- Wójcik, R., *et al.* The effect of Chinese medicinal herb *Rhodiola kirilowii* extracts on cellular immunity in mice and rats. *Pol J Vet Sci* 12, n.º 3 (2009): 399-405.
- Wong, Y. C., *et al.* Chemical constituents and anti-tuberculosis activity of root of *Rhodiola kirilowii*. *Zhongguo Zhong Yao Za Zhi* 33, n.º 13 (2008): 1561-65.
- Wu, T., *et al.* Cardioprotection of salidroside from ischemia/reperfusion injury by increasing N-acetylglucosamine linkage to cellular proteins. *Eur J Pharmacol* 613, n.º 1-3 (2009): 93-99.

- Wu, Y. L., *et al.* Hepatoprotective effects of salidroside on fulminant hepatic failure induced by D-galactosamine and lipopolysaccharide in mice. *J Pharm Pharmacol* 61, n.° 10 (2009): 1375-82.
- Xu, K. J., *et al.* Preventive and treatment effect of composite rhodiolae on acute lung injury in patients with severe pulmonary hypertension during extracorporeal circulation. *Zhongguo Zhong Xi Yi Jie He Za Zhi* 23, n.° 9 (2003): 648-50.
- Yan, X., *et al.* Seasonal variations in biomass and salidroside content in roots of *Rhodiola sachalinensis* as affected by gauze and red film shading. *Ying Yong Sheng Tai Xue Bao* 15, n.° 3 (2004): 382-86.
- Yoshikawa, M., *et al.* Bioactive constituents of Chinese natural medicines. II. Rhodiolae radix. (1). Chemical structures and antiallergic activity of rhodiocyanosides A and B from the underground part of *Rhodiola quadrifida* (Pall.) Fisch. et May. (Crassulaceae). *Chem Pharm Bull* (Tokyo) 44, n.° 11 (1996): 2086-91.
- Yoshikawa, M., *et al.* Bioactive constituents of Chinese natural medicines. IV. Rhodiolae radix. (2). On the histamine release inhibitors from the underground part of *Rhodiola sacra* (Prain ex Hamet) S. H. Fu (Crassulaceae): chemical structures of rhodiocyanoside D and sacranosides A and B. *Chem Pharm Bull* (Tokyo) 45, n.° 9 (1997): 1498-503.
- Yoshikawa, M., *et al.* Rhodiocyanosides A and B, new antiallergic cyanoglycosides from Chinese natural medicine «si lie hong jing tain,» the underground part of *Rhodiola quadrifida* (Pall.) Fisch. et Mey. *Chem Pharm Bull* (Tokyo) 43, n.° 7 (1995): 1245-47.
- Yousef, G. G., *et al.* Comparative phytochemical characterization of three *Rhodiola* species. *Phytochemistry* 67 (2006): 2380-91.
- Yu, S., *et al.* Involvement of ERK1/2 pathway in neuroprotection by salidroside against hydrogen peroxide-induced apoptotic cell death. *J Mol Neurosci* 40, n.° 3 (2010): 321-31.
- Yu, S., *et al.* Neuroprotective effects of salidroside in the PC12 cell model exposed to hypoglycemia and serum limitation. *Cell Mol Neurobiol* 28, n.° 8 (2008): 1067-78.
- Zhang, J., *et al.* Salidroside protects cardiomyocyte against hypoxia-induced death: a HIF-1 α -activated and VEGF-mediated pathway. *Eur J Pharmacol* 607, n.° 1-3 (2009): 6-14.
- Zhang, L., *et al.* Neuroprotective effects of salidroside against beta-amyloid-induced oxidative stress in SH-SY5Y human neuroblastoma cells. *Neurochem Int* 57, n.° 5 (2010): 547-55.
- Zhang, L., *et al.* Protective effects of salidroside on hydrogen peroxide-induced apoptosis in SH-SY5Y human neuroblastoma cells. *Eur J Pharmacol* 564, n.° 1-3 (2007): 18-25.
- Zhang, S., *et al.* Early use of Chinese drug rhodiola compound for patients with post-trauma and inflammation in prevention of ALI/ARDS. *Zhonghua Wai Ke Za Zhi* 37, n.° 4 (1999): 238-40.
- Zhang, S., *et al.* Extraction of flavonoids from *Rhodiola sachalinensis* A. Bor by UPE and the antioxidant activity of its extract. *Nat Prod Res* 22, n.° 2 (2008): 178-87.
- Zhang, W. S., *et al.* Protective effects of salidroside on injury induced by hypoxia/hypoglycemia in cultured neurons. *Zhongguo Zhong Yao Za Zhi* 29, n.° 5 (2004): 459-62.
- Zhang, Z., *et al.* The effect of rhodiola capsules on oxygen consumption of myocardium and coronary artery blood flow in dogs. *Zhongguo Zhong Yao Za Zhi* 23, n.° 2 (1998): 104-6.
- Zhao, H. W., *et al.* *Rhodiola sacra* aqueous extract (RSAE) improves biochemical and sperm characteristics in cryopreserved boar semen. *Theriogenology* 71, n.° 5 (2009): 849-57.
- Zhou, X., *et al.* *Rhodiola sachalinensis* suppresses T241 fibrosarcoma tumor cells proliferation in vitro and growth in vivo. *Zhong Yao Cai* 31, n.° 9 (2008): 1377-80.
- Zhou, X., *et al.* Salidroside production by hairy roots of *Rhodiola sachalinensis* obtained after transformation with *Agrobacterium rhizogenes*. *Biol Pharm Bull* 30, n.° 3 (2007): 439-42.
- Zhu, B. W., *et al.* Reduction of noise-stress-induced physiological damage by radices of astragali and rhodiolae: glycogen, lactic acid and cholesterol contents in liver of the rat. *Biosci Biotechnol Biochem* 67, n.° 9 (2003): 1930-36.
- Zhu, B. W., *et al.* Resistance imparted by traditional Chinese medicines to the acute change of glutamic pyruvic transaminase, alkaline phosphatase and creatine kinase activities in rat blood caused by noise. *Biosci Biotechnol Biochem* 68, n.° 5 (2004): 1160-63.
- Zhu, L., *et al.* Prevention of *Rhodiola-Astragalus membranaceus* compounds against simulated plateau hypoxia brain injury in rat. *Space Med Med Eng* (Beijing) 18, n.° 4 (2005): 303-5.

- Zhuravlev, Y. N., *et al.* Medicinal plants of the Kurile Islands. *Botanical News from the Russian Far East* 2 (2005): 1-2.
- Zubeldia, J. M., *et al.* Exploring new applications for *Rhodiola rosea*: can we improve the quality of life of patients with short-term hypothyroidism induced by hormone withdrawal? *J Med Food* 13, n.º 6 (2010): 1287-92.
- Zuo, G., *et al.* Activity of compounds from Chinese herbal medicine *Rhodiola kirilowii* (Regel) Maxim against HCV NS3 serine protease. *Antiviral Res* 76, n.º 1 (2007): 86-92.

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- Adeniyi, S. A., *et al.* Preliminary phytochemical analysis and insecticidal activity of ethanolic extracts of four tropical plants (*Vernonia amygdalina*, *Sida acuta*, *Ocimum gratissimum* and *Telfaria occidentalis*) against beans weevil (*Acanthscelides obtectus*). *Int J Phys Sci* 5, n.º 6 (2010): 753-62.
- Agyarko, K., *et al.* Metal levels in some refuse dump soils and plants in Ghana. *Plant Soil Environ* 56, n.º 5 (2010): 244-51.
- Ahmed, F., *et al.* Cryptolepine, isolated from *Sida acuta*, sensitizes human gastric adenocarcinoma cells to TRAIL-induced apoptosis. *Phytother Res* 25, n.º 1 (2011): 147-50. E-pub (preprint) 2010.
- Ahmed, M. U. Cyclopropanoid fatty acids in seed oils of *Sida acuta* and *Sida rhombifolia* (Malvaceae). *J Am Oil Chem Sci* 53, n.º 11 (1976): 698-99.
- Alesiani, D., *et al.* Identification of phenolic compounds from medicinal and melliferous plants and their cytotoxic activity in cancer cells. *Caryologia* 60, n.º 1-2 (2007): 90-95.
- Ananil, K., *et al.* Investigation of medicinal plants of Togo for antiviral and antimicrobial activities. *Pharm Biol* 38, n.º 1 (2000): 40-45.
- Anonymous. Country mallow. Brief profile on the HolisticOnLine.com website. online.com/herbal-med/_Herbs/h129.htm (accessed January 9, 2011).
- Anonymous. Country mallow. Entry in the Oshims. com herb directory. directory/c/country-mallow (accessed January 9, 2011).
- Anonymous. Ethnobotanical uses: *Sida acuta*. Dr. Duke's Phytochemical and Ethnobotanical Databases, online at www.drduke.com (accessed November 20, 2010).
- Anonymous. Gulipas: *Sida cordifolia* Linn. Brief profile in Philippine Medicinal Plants database hosted on the StuartXchange.org website, updated November 2011. org/Gulipas.html.
- Anonymous. Nagabala. Brief profile on the HolisticOnLine.com website. online.com/herbal-med/_Herbs/h_sida-spinosa.htm (accessed January 9, 2011).
- Anonymous. *Sida acuta*. Entry in the Listing of Interesting Plants of the World, on the Australian New Crops website. uq.edu.au/listing/species_pages_S/Sida_acuta.htm (accessed November 15, 2010).
- Anonymous. *Sida acuta*. Entry in the Pacific Island Ecosystems at Risk (PIER) database, updated December 27, 2010. [sida_acuta.htm](http://pidr.csiro.au/pid_risk/pid_risk_sida_acuta.htm).
- Anonymous. *Sida acuta*. Ethnobotanical Garden forum on the Shroomery Message Board. Number/945022 (accessed January 9, 2011).
- Anonymous. *Sida acuta* Burm. f. Brief profile on website of Globinmed (Global Information Hub on Integrated Medicine). index.php?option=com_content&view=article&id=79111:sida-acuta-burm-f&catid=721:s (accessed November 15, 2010). Anonymous. *Sida* L. Entry in the U.S. Department of Agriculture Natural Resources Conservation Service PLANTS Database. gov/java/profile?symbol=SIDA (accessed November 15, 2010).
- Anonymous. *Sida rhombifolia*. Brief profile on the website of Shaman Australis Botanicals. [php?cPath=21_35_108](http://shamanbotanicals.com/php?cPath=21_35_108) (accessed November 20, 2010).
- Anonymous. *Sida rhombifolia* L.—Malvaceae. Chemicals and activities of the plant as given in Dr. Duke's Phytochemical and Ethnobotanical Databases, online at www.drduke.com (accessed November 20, 2010).
- Anonymous. Taxon: *Sida acuta* Burm. f. Entry in the USDA Germplasm Resources Information Network (GRIN) database. <http://www.ars-grin.gov/cgi-bin/npgs/html/taxon.pl?33885> (accessed November 20, 2010).
- Assam, J. P., *et al.* In vitro antibacterial activity and acute toxicity studies of aqueous-methanol extract of *Sida rhombifolia* Linn. (Malvaceae). *BMC Complement Alt Med* 10, n.º 40 (2010): 1-7.

- Balakrishnan, V., *et al.* Ethanoveterinary studies among farmers in Dindigul District Tamil Nadu, India. *Global J Pharm* 3, n.° 1 (2009): 15-23.
- Banzouzi, J.-T., *et al.* Studies on medicinal plants of Ivory Coast: investigation of *Sida acuta* for in vitro antiplasmodial activities and identification of an active constituent. *Phytomed Int J Phytother Phytopharm* 11, n.° 4 (2004): 338-41.
- Bhawani, S. A., *et al.* Thin-layer chromatographic analysis of steroids: a review. *Trop J Pharm Res* 9, n.° 3 (2010): 301-13.
- Bonjean, K., *et al.* The DNA intercalating alkaloid cryptolepine interferes with topoisomerase II and inhibits primarily DNA synthesis in B16 melanoma. *Biochemistry* 37, n.° 15 (1998): 5136-46.
- Cao, J. H., *et al.* Studies of the chemical constituents of the herb huanghuaren (*Sida acuta* Burm. f.). *Zhongguo Zhong Yao Za Zhi* 18, n.° 11 (1993): 681-703.
- Chowdhury, A., *et al.* Phytochemical and biological investigations of *Sida rhomboidea* Linn. *Internet J Alt Med* 7, n.° 2 (2009): 1-10.
- Darwish, F. M. M., *et al.* Ecdysteroids and other constituents from *Sida spinosa*. *Phytochemistry* 62, n.° 8 (2003): 1179-84.
- Datusalia, A. K., *et al.* Antidepressant-like potential of *Sida tiagii* Bhandari fruits in mice. *J Health Sci* 55, n.° 4 (2009): 641-48.
- Datusalia, A. K., *et al.* Anxiolytic and antiseizure effects of *Sida tiagii* Bhandri. *J Health Sci* 54, n.° 5 (2008): 544-50.
- Dinan, L., *et al.* Phytoecdysteroid profiles in seeds of *Sida* spp. (Malvaceae). *Phytochem Anal* 12, n.° 2 (2001): 110-19.
- Edeoga, H. O., *et al.* Phytochemical constituents of some Nigerian medicinal plants. *Afr J Biotechnol* 4, n.° 7 (2005): 685-88.
- Ediriveera, E.R.H.S.S. A review of medicinal uses of weeds in Sri Lanka. *Tropical Agricultural Research & Extension* (Sri Lanka) 10 (2007): 11-16. [viewFile/1865/1556](#).
- Ekor, M., *et al.* Comparative evaluation of the protective effect of the ethanolic and methanolic leaf extracts of *Sida acuta* against hyperglycaemia and alterations of biochemical and haematological indices in alloxan diabetic rats. *J Pharmacol Toxicol* 5 (2010): 1-12.
- Ekpo, M. A., *et al.* Antimicrobial activity of ethanolic and aqueous extracts of *Sida acuta* on microorganisms from skin infections. *J Med Plant Res* 3, n.° 9 (2009): 621-24.
- Flanagan, G. J., *et al.* The successful biological control of spinyhead sida, *Sida acuta* [Malvaceae], by *Calligrapha pantherina* (Col: Chrysomelidae) in Australia's Northern Territory. In *Proceedings of the X International Symposium on Biological Control of Weeds, July 4-14, 1999*, ed. Neal R. Spencer, 35-41. Bozeman: Montana State University, 2000.
- Gupta, A. K., *et al.* Phytoextraction capacity of the plants growing on tannery sludge dumping sites. *Bioresour Technol* 98, n.° 9 (2007): 1788-94.
- Hudson, J. B., *et al.* Further investigations on the antiviral activities of medicinal plants of Togo. *Pharm Biol* 38, n.° 1 (2000): 46-50.
- Idu, M., *et al.* Ethnobotanical plants used for oral healthcare among the Esan tribe of Edo State, Nigeria. *Ethnobotanical Leaflets* 13 (2009): 548-63.
- Idu, M., *et al.* Ethnobotanical uses of plants among the Binis in the treatment of ophthalmic and ENT (ear, nose and throat) ailments. *Ethnobotanical Leaflets* 13 (2009): 480-503.
- Iroha, I. R., *et al.* Evaluation of the antibacterial activity of extracts of *Sida acuta* against clinical isolates of *Staphylococcus aureus* isolated from human immunodeficiency virus/acquired immunodeficiency syndrome patients. *Res J Pharmacol* 3, n.° 2 (2009): 22-25.
- Jang, D. S., *et al.* Compounds obtained from *Sida acuta* with the potential to induce quinone reductase and to inhibit 7,12-dimethylbenz[a] anthracene-induced preneoplastic lesions in a mouse mammary organ culture model. *Arch Pharm Res* 26, n.° 8 (2003): 585-90.
- Karou, D., *et al.* Antibacterial activity of alkaloids from *Sida acuta*. *Afr J Biotechnol* 5, n.° 2 (2006): 195-200.
- Karou, D., *et al.* Antimalarial activity of *Sida acuta* Burm. f. (Malvaceae) and *Pterocarpus erinaceus* Poir. (Fabaceae). *J Ethnopharm* 89 (2003): 291-94.

- Karou, S. D., *et al.* *Sida acuta* Burm. f.: a medicinal plant with numerous potencies. *Afr J Biotechnol* 6, n.º 25 (2007): 2953-59.
- Khan, M. H., *et al.* Herbal remedies of asthma in Thoubal District of Manipur in north east India. *Indian J Nat Prod Res* 1, n.º 1 (2010): 80-84.
- Khatoun, S., *et al.* HPTLC method for chemical standardization of *Sida* species and estimation of the alkaloid ephedrine. *J Planar Chromato* 18 (2005): 364-67.
- Kiessoun, K., *et al.* Polyphenol contents, antioxidant and anti-inflammatory activities of six Malvaceae species traditionally used to treat hepatitis B in Burkina Faso. *Eur J Sci Res* 44, n.º 4 (2010): 570-580, 2010.
- Leonard, D. B. *Medicine at your feet: healing plants of the Hawaiian kingdom*. *Sida rhombifolia (huang hua mu)*. 2008. *Sida_rhombifolia.pdf*.
- Londonkar, R. L., *et al.* Phytochemical and contraceptive property of *Sida acuta* Burm. f. Ind. in albino rats. *Int J PharmTech Res* 1, n.º 4 (2009): 1260-66.
- Malairajan, P., *et al.* Analgesic activity of some Indian medicinal plants *J Ethnopharmacol* 106, n.º 3 (2006): 425-28.
- Malairajan, P., *et al.* Antilucer activity of *Sida acuta* Burm. *Nat Prod Sci* 12, n.º 3 (2006): 150-52.
- Matsut, T. A., *et al.* The plant alkaloid cryptolepine induces p21 and cell cycle arrest in a human osteosarcoma cell line. *Int J Oncol* 31 (2007): 915-22.
- Mishra, M. P. Traditional-ethnoherbological and medicinal properties of *Sida* plant. On the website Ecosensorium.org, November 4, 2009. *ethnoherbological-and.html*.
- Mott, J. J., *et al.* Germination and establishment of the weeds *Sida acuta* and *Pennisetum pedicellatum* in the Northern Territory. *Australian J Exper Agr Animal Husb* 20, n.º 105 (1980): 463-69.
- Nguyen-Pouplin, J., *et al.* Antimalarial and cytotoxic activities of ethnopharmacologically selected medicinal plants from south Vietnam. *J Ethnopharm* 109 (2007): 417-27.
- Oboh, I. E., *et al.* Antimicrobial activity of the ethanol extract of the aerial parts of *Sida acuta* Burm. f. (Malvaceae). *Trop J Pharm Res* 6, n.º 4 (2007): 809-13.
- Ogie-Odia, E. A., *et al.* Assessment of some therapeutic plants of the Abbi People in Ndokwa West L.G.A. of Delta State, Nigeria. *Ethnobotanical Leaflets* 13 (2009): 989-1002.
- Orech, F. O., *et al.* Potential toxicity of some traditional leafy vegetables consumed in Nyang 'Oma Division, western Kenya. *Afr J Food Nutr Sci* 5, n.º 1 (2005): 1-13.
- Otero, R., *et al.* Snakebites and ethnobotany in the northwest region of Colombia. Part II. Neutralization of lethal and enzymatic effects of *Bothrops atrox* venom. *J Ethnopharmacol* 71, n.º 3 (2000): 505-11.
- Otero, R., *et al.* Snakebites and ethnobotany in the northwest region of Colombia. Part III. Neutralization of the haemorrhagic effect of *Bothrops atrox* venom. *J Ethnopharmacol* 73, n.º 1-2 (2000): 233-41.
- Oudhia, P. Khareti or bala (*Sida cordifolia* Linn.). Fact sheet on the website of the NewCROP program at Purdue University, 2004. hort.purdue.edu/newcrop/CropFactSheets/bala.html (accessed January 9, 2011).
- . Traditional medicinal knowledge about common herbs in Chattisgarh, India: interactions with the rice farmers of Tilda region. Research article on the website Botanical.com. column_poudhia/articles/_1130.html (accessed 11/20/2010).
- . Traditional medicinal uses of gangeran (*Sida spinosa*) in Chhattisgarh, India. Research article on the website Botanical.com. com/site/column_poudhia/articles/_1645.html (accessed November 20, 2010).
- Prakash, A., *et al.* Alkaloid constituents of *Sida acuta*, *S. humilis*, *S. rhombifolia* and *S. spinosa*. *Planta Med* 43, n.º 12 (1981): 384-88.
- Rajakaruna, N., *et al.* Antimicrobial activity of plants collected from serpentine outcrops in Sri Lanka. *Pharm Biol* 40, n.º 3 (2002): 235-44.
- Rao, R. E., *et al.* Studies on fixed oil of seeds of *Sida acuta* Burm. *J Am Oil Chem Soc* 50, n.º 5 (1973): 168-69.
- Saganuwan, A. S., *et al.* Evaluation of *Sida acuta* subspecies *acuta* leaf/flower combination for antimicrobial activity and phytochemical constituents. *Afr J Clin Exper Microbiol* 7, n.º 2 (2006): 83-88.

- Sreedevi, C. D., *et al.* Hepatoprotective studies on *Sida acuta* Burm. f. *J Ethnopharmacol* 124, n.° 2 (2009): 171-75.
- Sutradhar, R. K., *et al.* Bioactive alkaloid from *Sida cordifolia* Linn. with analgesic and anti-inflammatory activities. *Iran J Pharm Ther* 5, n.° 2 (2006): 175-78.
- Williams, R., *et al.* A native growing season forage for wildlife—teaweed, *Sida acuta* Burm. f. Publication FOR 114, one of a series of the School of Forest Resources and Conservation, Florida Cooperative Extension Service, Institute of Food and Agricultural Sciences, University of Florida. First published December 2006; revised March 2011. FR16800.pdf.

USNEA

- Chifriuc, M. C., *et al.* In vitro study of the inhibitory activity of usnic acid on dental plaque biofilm. *Roum Arch Microbiol Immunol* 68, n.° 4 (2009): 215-22.
- Cocchietto, M., *et al.* A review of usnic acid, an interesting natural compound. *Naturwissenschaften* 89, n.° 4 (2002): 137-46.
- Doell, Janet. The saga of *Usnea longissima* in California. *Bull Cal Lichen Soc* 11, n.° 2 (2004): 37-44.
- Elo, H., *et al.* Potent activity of the lichen antibiotic (+)-usnic acid against clinical isolates of vancomycin-resistant enterococci and methicillin-resistant *Staphylococcus aureus*. *Naturwissenschaften* 94, n.° 6 (2007): 465-68.
- Esme, H., *et al.* Investigation of the germicidal effect of usnic acid, betadine, savlosol, and desderman on the protoscolexes of lung hydatid cysts. *Tukiye Parazitol Derg* 31, n.° 2 (2007): 101-4.
- Fazio, A. T., *et al.* Lichen secondary metabolites from the cultured lichen mycobionts of *Teloschistes chrysothamum* and *Ramalina celastri* and their antiviral activities. *Z Naturforsch C* 62, n.° 7-8 (2007): 543-49.
- Hariharan, G. N., *et al.* Checklist of lichens and lichenicolous fungi of Tamil Nadu (India). On the website of the Environmental Information System Centre, September 1, 2007. <http://tnenvs.nic.in/Lichens/tamil-nadu.htm>.
- Ingólfssdóttir, K. Usnic acid. *Phytochemistry* 61, n.° 7 (2002): 729-36.
- Kim, M. S., *et al.* Melanogenesis inhibitory effects of methanolic extracts of *Umbilicaria esculenta* and *Usnea longissima*. *J Microbiol* 45, n.° 6 (2007): 578-82.
- Kreander, K., *et al.* A rapid screening method for detecting active compounds against erythromycin-resistant bacterial strains of Finnish origin. *Folia Microbiol* 50, n.° 6 (2005): 487-93.
- Lans, C., *et al.* Ethnoveterinary medicines used for ruminants in British Columbia, Canada. *J Ethnobiol Ethnomed* 26, n.° 3 (2007): 11.
- Lauterwein, M., *et al.* In vitro activities of the lichen secondary metabolites vulpinic acid, (+)-usnic acid, and (-)-usnic acid against aerobic and anaerobic microorganisms. *Antimicrob Agents Chemother* 39, n.° 11 (1995): 2541-43.
- Lira, M. C., *et al.* In vitro uptake and antimycobacterial activity of liposomal usnic acid formulation. *J Liposome Res* 19, n.° 1 (2009): 49-58.
- Molnár, K., *et al.* Current results on biological activities of lichen secondary metabolites: a review. *Z Naturforsch C* 65, n.° 3-4 (2010): 157-73.
- Paranagama, P. A., *et al.* Heptaketides from *Corynespora* sp. inhibiting the cavern beard lichen, *Usnea cavernosa*: first report of metabolites of an endolichenic fungus. *J Nat Prod* 70 (2007): 1700-1705.
- Paudel, B., *et al.* Antibacterial activities of ramlin, usnic acid and its three derivatives isolated from the Antarctic lichen *Ramalina terebrata*. *Z Naturforsch C* 65, n.° 1-2 (2010): 34-38.
- Ramos, D. F., *et al.* Antimycobacterial activity of usnic acid against resistant and susceptible strains of *Mycobacterium tuberculosis* and non-tuberculous mycobacteria. *Pharm Biol* 48, n.° 3 (2010): 260-63.
- Rawat, M. S. M., *et al.* Chemical study on Garhwal Himalayan lichen: *Usnea emidotteries*. *Ind J Chem* 45B (2006): 2566-70.
- Rowe, J. G., *et al.* Antibacterial activity of some lichens from southern Spain. *Ann Pharm Fr* 47, n.° 2 (1989): 89-94.
- Storaunet, K. O., *et al.* Effect of logging on the threatened epiphytic lichen *Usnea longissima*: a comparative and retrospective approach. *Silva Fennica* 42, n.° 5 (2008): 685.

- Verma, N., *et al.* Antioxidant and hepatoprotective activity of a lichen *Usnea ghattensis* in vitro. *Appl Biochem Biotechnol* 152, n.º 2-3 (2008): 167-81.
- Vijayan, P., *et al.* Antiviral activity of medicinal plants of Nilgiris. *Indian J Med Res* 120, n.º 1 (2004): 24-29.
- Wang, X. P., *et al.* Plasmid elimination effect of usnic acid on the antibiotic-resistant *Staphylococcus aureus*. *Zhong Yao Cai* 29, n.º 1 (2006): 36-39.
- Weckesser, S., *et al.* Screening of plant extracts for antimicrobial activity against bacteria and yeasts with dermatological relevance. *Phytomedicine* 14, n.º 7-8 (2007): 508-16.
- Wei, L. L., *et al.* In vitro effect of (+)-usnic acid on *Toxoplasma gondii* tachyzoites. *Zhongguo Ji Sheng Chong Xue Yu Ji Sheng Chong Bing Za Zhi* 26, n.º 6 (2008): 438-41.
- Yamamoto, Y., *et al.* Screening of tissue cultures and thalli of lichens and some of their active constituents for inhabitation of tumor promoter- induced Epstein-Barr virus activation. *Chem Pharm Bull* (Tokyo) 43, n.º 8 (1995): 1388-90.