Chanca Piedra (*Phyllanthus niruri*)

Antibacterial Actions

Marappa, B., et al. “Exploration of potent antimicrobial and antioxidant bioactive compounds of selected medicinal plants against drug-resistant pathogens.” *3 Biotech*. 2025 Apr; 15(4): 95.

Tiwana, G., et al. “*Phyllanthus niruri* Linn.: Antibacterial activity, phytochemistry, and enhanced antibiotic combinatorial strategies. *Antibiotics* (Basel). 2024 Jul; 13(7): 654.

Hidanah, S., et al. “The activity of Meniran (*Phyllanthus niruri* Linn.) extract on *Salmonella pullorum* infected broilers.” *Vet. World*. 2022 May; 15(5): 1373-1382.

Ismail, C., et al. “*In vitro* anti-leptospiral activity of *Phyllanthus amarus* extracts and their combinations with antibiotics.” *Int. J. Environ. Res. Public Health.* 2021 Mar; 18(6):2834.

Yasouri, S., et al. “The effect of environmental stresses on lipL32 gene expression in pathogenic *Leptospira spp*. through real-time PCR.” *Pol. J. Microbiol.* 2020 Sep; 69(3): 301-310.

Legba, B., et al. "Evaluation of *in-vivo* anti-Salmonella activity of *Uvaria chamae*, *Lantana camara* and *Phyllantus amarus* used in Benin, West Africa." *BMC Vet. Res.* 2020 Feb; 16(1): 49.

Legba, B., et al. "Toxicological characterization of six plants of the Beninese pharmacopoeia used in the treatment of salmonellosis." *J. Toxicol.* 2019 Jul; 2019: 3530659.

Ribeiro, A., et al. "Antimicrobial activity of *Phyllanthus amarus* Schumach. & Thonn and inhibition of the NorA efflux pump of *Staphylococcus aureus* by phyllanthin." *Microb. Pathog.* 2019 May; 130: 242-246.

Sharadadevi, D., et al. "*In vitro* antimicrobial synergism of three Indian medicinal plant extracts alone and in combination with different antimicrobials against pathogenic bacterial strains." *Int. Res. J. Pharm.* 2019 Jan; 10 (3): 120-126.

Ajibade, V., et al. "Antibacterial activity of saponin extracted from *Phyllanthus niruri* on methicillin-resistant *Staphylococcus aureus* (MRSA)." *J. Complement. Alt. Med. Res*. 2019; 7(1): 1-9.

Mondal, R., et al. "Antimicrobial activity of natural products from medicinal plants." *J. Agroeco. Nat. Resour.* 2018 Mar; 5(1): 63-69.

Hidanah, S., et al. "Effects of meniran (*Phyllanthus niruri* L.) administration on leukocyte profile of broiler chickens infected with *Mycoplasma gallisepticum*." *Vet. World.* 2018 Jun; (6): 834-839.

Sunitha, J., et al. "Antimicrobial effect of leaves of *Phyllanthus niruri* and *Solanum nigrum* on caries causing bacteria: an *in vitro* study." *J. Clin. Diagn. Res.* 2017 Jun; 11(6): KC01-KC04.

Kaur, R., et al. "Phytochemical screening of *Phyllanthus niruri* collected from Kerala region and its antioxidant and antimicrobial potentials." *J. Pharm. Sci. & Res*. 2017; 9(8): 1312-1316.

Gbadamosi, I., et al. "Antibacterial attributes of extracts of *Phyllantus amarus* and *Phyllantus niruri* on *Escherichia coli* the causal organism of urinary tract infection." *J. Pharm. Phytother.* 2015 May; 7(5): 80-86.

Valle, D., et al. "Antibacterial activities of ethanol extracts of Philippine medicinal plants against multidrug-resistant bacteria." *Asian Pac. J. Trop. Biomed* 2015; 5(7): 532-540.
Shanmugam, B., et al. "Antibacterial activity and phytochemical screening of *Phyllanthus niruri* in ethanolic, methanolic and aqueous extracts." *Int. J. Pharm. Sci. Rev. Res.* 2014 Jul-Aug; 27(2): 85-89.
Kanthimathi, M., et al. "Antibacterial effects of *Emblica officinalis* and *Phyllanthus niruri* crude extracts against bacterial pathogens." *Intl. J. Pharm. Clin. Sci.* 2013 Jun; 3(3): 20-23.
Bhat, S., et al. "Preclinical screening of *Phyllanthus amarus* ethanolic extract for its analgesic and antimicrobial activity." *Pharmacognosy Res*. 2014 Oct-Dec; 7(4): 378-84.
Ibrahim, D., et al. "Antimicrobial activity of crude methanolic extract from *Phyllanthus niruri*." *Nat. Prod. Comm*. 2013; 8(4): 493-496.
Amin, Z., et al. "Assessment of *in vitro* antioxidant, antibacterial and immune activation potentials of aqueous and ethanol extracts of *Phyllanthus niruri*." *J. Sci. Food Agric.* 2012 Jul; 92(9): 1874-7.
Ranilla, L, et al. "Antimicrobial activity of an Amazon medicinal plant (Chanca piedra) (*Phyllanthus niruri* L.) against *Helicobacter pylori* and lactic acid bacteria." *Phytother. Res.* 2012 Jun; 26(6): 791-9.
Narayanan, A., et al. "Antibacterial activity of selected medicinal plants against multiple antibiotic resistant uropathogens: a study from Kolli Hills, Tamil Nadu, India." *Benef. Microbes.* 2011 Sep; 2(3): 235-43.
Obiagwu, I., et al. "Studies on antibacterial effect of the leaves of *Phyllanthus niruri* on some enteric pathogens." *Nig. J. Biotech.* 2011; 23: 22-27.
Ajibade, V., et al. "Antibacterial activity of saponin and alkaloidal extracts of whole plant of *Phyllanthus niruri* L., (Syn. *P. franternus* Webster)." *Pak. J. Sci. Ind. Res. Ser. B: Biol. Sci.* 2011; 5 (1): 47-52.
Rani, J., et al. "Antibacterial properties of extracts of Indian medicinal plants: *Syzygium alternifolium, Phyllanthus niruri* and *Rubia cordifolia*." *Biomed. Pharmacol. J.* 2010; 3(1): 123-128.
Akinjogunia, O., et al. "Antibacterial activity of ethanolic extracts of *Phyllanthus amarus* against extended spectrum ß-lactamase producing *Escherichia coli* isolated from stool samples of HIV sero-positive patients with or without diarrhoea." *Afr. J. Pharm. Pharmacol.* 2010; 4(6): 402-407.
Okigbo, R., et al. "Antimicrobial effects of *Piper guineens*e 'Uziza' and *Phyllantus amarus* 'Ebe-benizo' on *Candida albicans* and *Streptococcus faecalis*." *Acta Microbiol. Immunol. Hung.* 2007 Dec; 54(4): 353-66.
Ekwenye, U., et al. "Antibacterial effect of *Phyllanthus niruri* (Chanca Piedra) on three enteropathogens in man." *Intl. J. Mol. Adv. Sci*. 2006; 2(2): 184-189.
Mazumder, A., et al. "Antimicrobial potentiality of *Phyllanthus amarus* against drug resistant pathogens." *Nat. Prod. Res.* 2006; 20(4): 323-6.

Kloucek, P., et al. "Antibacterial screening of some Peruvian medicinal plants used in Calleria District." *J. Ethnopharmacol.* 2005 Jun; 99(2): 309-12.
Agrawal, A., et al. "Evaluation of inhibitory effect of the plant *Phyllanthus amarus* against dermatophytic fungi *Microsporum gypseum*." *Biomed. Environ. Sci*. 2004 Sep; 17(3): 359-65.
Hoffman, B., et al. "Screening of antibacterial and antifungal activities of ten medicinal plants from Ghana." *Pharma. Bio*. 2004; 42(1): 13-17.
Lopez, C., et al. "Antimicrobial activity of medicinal plant extracts against foodborne spoilage and pathogenic microorganisms." *J. Kas. Nat. Sci.* 2003; 37: 460-467.
Farouk, A., et al. "Antimicrobial activity of certain Sudanese; plants used in folkloric medicine. Screening for antibacterial activity (I)." *Fitoterapia* 1983; 54(1): 3-7.

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