

**REVIEW ON *MELIA AZEDARACH LINN*****Nivedha M.^{1*}, Radha R.², Megala S.³ and Nithya S.⁴**¹Department of Pharmacognosy, Madras Medical College, Chennai.²Professor, Department of Pharmacognosy, Madras Medical College, Chennai.³Department of Pharmacognosy, Madras Medical College, Chennai.⁴Department of Pharmaceutics, Madras Medical College, Chennai.Article Received on
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Corresponding Author*Nivedha M.**Department of
Pharmacognosy, Madras
Medical College, Chennai.**ABSTRACT**

Medicinal plants are widely used by the traditional medicinal practitioners to cure different diseases due to their world-wide availability and fewer side effects. *Melia azedarach Linn.* (Family: Meliaceae) is a sharp or small evergreen, medium-sized deciduous tree. It grows in temperate and tropical countries like India, China and Japan. The plant requires a wide range of soil, acid to alkaline and it needs moderate moisture level. It knows locally as bakain and drek (Hindi), Persian lilac or China tree (English), Fleurs lilas (French) and also known as pride of India and Persian lilac having a wide spectrum of pharmacological activities. It is used as an Ayurvedic medicine in

India and Unani medicine in Arab countries as an Antioxidative, Analgesic, Anti-inflammatory, Insecticidal, Rodenticidal, Antidiarrhoeal, Deobstruent, Diuretic, Antidiabetic, Cathartic, Emetic, Antirheumatic and Antihypertensive. It is highly nutritious having a calorific value at 5100 kcal/kg. Also, it is used to manufacture agricultural implements, furniture, plywood, boxes, poles, tool handles and fuel wood. This plant is considered as a multipurpose tree because of its multidirectional and widespread uses in medicine, therapeutics and other economic implication. This article provides list of what are all the works done on *Melia azedarach* plant so far and it is more useful for students and research scholars.

KEYWORDS: *Melia azedarach*, Ayurvedic medicine, Unani medicine and multipurpose tree.

INTRODUCTION

India has a wealth of medicinal plants most of which have been traditionally used in Ayurveda, Unani systems of medicine and by tribal healers for generation. In ancient Indian literature, it is mentioned that every plant on this earth is useful for human beings, animals and other plants. Medicinal plants constitute the major constituents of most indigenous medicines and a large number of Western medical preparations contain one or more ingredients of plant origin. Medicines that are used today are not definitely the same as those that were used in ancient times or even in the recent past. Several modifications, improvement, sophistication and newer discoveries contribute continuously to the type, quality, presentation and concept of medicinal preparation. The therapeutic use of development of human knowledge, scientists endeavoured to isolate different chemical constituents from plant, put them to biological and pharmacological tests and thus have been used to prepare modern medicines. Each and every part of the plant has traditional medicinal uses.^[1] *Melia azedarach* Family (Meliaceae) is the best known species. It has derived its name from the classical Greek word melia for the manna ash or flowering ash, referring to the similarity of the leaves to that plant and azedarach from the name of an ancient poisonous tree, Azadaracht, now unknown. It is native to upper Burmah region.^[2] It is an original species of the South of Asia (Iran, India and South of China) that was introduced in the New World, cultivated and naturalized by tropical America, from Mexico to Argentina (Pennington, 1981). It has a wide natural distribution extending from China, India and Japan to Indonesia, Northern Australia, Africa, North America, Tropical South America, and Southern Europe.^[3,4,5]

Plant Profile

Taxonomy of *Melia azedarach*

Kingdom - Plantae

Division - Magnoliophyta

Class - Magnoliopsida

Order - Sapindales

Family - Meliaceae

Genus - *Melia*

Species - *M. azedarach*

Binomial name - *Melia azedarach* L.

Plant Parts Used

Leaf, flower, seed, oil, root, young branches, fruit and bark.

Monograph

Bengali name: Ghoda Neem.

Common name: Chinaberry tree, Texas umbrella,

Scientific name: *Melia azedarach*

Family: Meliaceae.

Duration: Perennial.

Growth habit: Multi-branched tree.

Bangladesh nativity: Native.^[6]

List of Reviews

S. No	Title	Journal	Author's	Date	Year
1.	Antimicrobial activities of mountain neem (<i>Melia azedarach</i>) in the areas of wollega university, nekemte, ethiopia.	European journal of pharmaceutical and medical research	S. Vijayalakshmi, G.Theenadhayalan	Jan	2018
2.	Antipyretic effects of hydro-methanol extract of <i>Melia azedarach</i> Linn. seeds and Cucumis melo Linn. seeds in experimental rabbits	Pakistan Journal of Pharmaceutical Sciences	Sultana, Sabira, Akhtar, Naveed and Asif, Hafiz Muhammad	Jul	2017
3.	Anticancer Mechanism of <i>Melia azedarach</i> , Doxorubicin and Cyclophamide Combination against Breast Cancer in Mice	Bangladesh Journal of Medical Science	Sumarawati T, Israhanto, Fatmawati D.	Jul	2017
4.	Antipyretic effects of hydro-methanol extract of <i>Melia azedarach</i> Linn. Seeds and Cucumis melo Linn. seeds in experimental rabbits	Pakistan Journal of Pharmaceutical Sciences	Sabira, Sultana, Naveed, Akhtar and Asif, H. M.	-	2017
5.	Profiling of phenolic compounds and antioxidant activity of <i>Melia azedarach</i> L. leaves and fruits at two stages of maturity	Industrial Crops and Products	M'Rabet, Yassine, Rokbeni, Nesrine, Cluzet, Stephanie, Bonlila, Abdennacer, Richard, Tristan, Krisa, Stephanie, Marzouki, Lamjed, Casabianca, Herve and Hosni, Karim	Nov 15	2017
6.	Identification of oral cavity biofilm forming bacteria and determination of their growth inhibition by <i>Acacia arabica</i> , <i>Tamarix aphylla</i> L. and <i>Melia azedarach</i> L. medicinal plants	Archives of Oral Biology	Khalid, Muhammad, Hassani, Danial, Bilal, Muhammad, Butt, Zahid Ali, Hamayun, Muhammad, Ahmad, Ayaz, Huang, Danfeng and Hussain, Anwar	Sep	2017
7.	Phyto-morphological overview of medicinal plant: <i>Melia azedarach</i> Linn	International Journal of Medicinal Plants Research	Kaushal Kanwer Shekhawat*, DV Rao and Amla Batra	Feb	2017
8.	Antifungal, Antioxidant and Phytochemical Screening of <i>Melia azedarach</i> Flower Extracts by Using Different Solvents	British Journal of Pharmaceutical Research	Abbas, Muhammad Khawar, Ahmad, Mahmood, Barkat, Kashif and Aslam, Naila	-	2017
9.	Four New Tirucallane Triterpenoids from the Fruits of <i>Melia azedarach</i> and Their Cytotoxic	Chemistry & Biodiversity	Zhou, Fang, Ma, Xin-Hua, Li, Zhi-Jun, Li, Wei, Zheng, Wei-Min, Wang,	Dec	2016

	Activities		Zhi-Biao, Zeng, Xian-Ming, Sun, Kai-Hui and Zhang, Yong-Hong		
10.	Evaluation of analgesic and antipyretic activities of Mahanimba (<i>Melia azedarach</i> Linn.) leaf and root powder	Ayu	Shweta, Vekariya, Nishteswar, K., Bhupesh, Patel and Mukesh, Nariya	-	2016
11.	Qualitative phytochemical comparison between flavonoids and phenolic acids contents of leaves and fruits of <i>Melia azedarach</i> (family: Meliaceae) cultivated in Iraq by HPLC and HPTLC	International Journal of Pharmacy and Pharmaceutical Sciences	Noor s. Jaafar, maha n. Hamad, ibrahim s. Abbas, iman s. Jaafar	Aug	2016
12.	Studies on evaluation of in-vitro antifungal activities of <i>Melia azedarach</i> L. Bark	International Journal of Pharmaceutical Sciences and Research	Khatoon, A., Mohapatra, A. and Satapathy, K. B.	Jan	2016
13.	Anxiolytic and antidepressant activity of different methanolic extracts of <i>Melia azedarach</i> Linn	Pakistan Journal of Pharmaceutical Sciences	Ishaq, Humera	Sep	2016
14.	Two new tetracyclic triterpenoids from the barks of <i>Melia azedarach</i>	Journal of Asian Natural Products Research	Ge, Jun-Jun, Wang, Ling-Tian, Chen, Pian, Zhang, Yan, Lei, Xin-Xiang and Ye, Xiao-Xia	Jan	2016
15.	Physico-Chemical, Phyto-Chemical and HPTLC Analysis of Root of <i>Melia azedarach</i> Linn	ResearchGate	Shweta Vekariya, Vinay J Shukla	Jan	2016
16.	Evaluation of antibacterial effects of <i>Melia azedarach</i> fruit extracts against some isolated pathogenic bacteria	Veterinary Science Development	Al-Khafaji, N. J., Al-Zubaedi, R. M. and Al-Azawi, S. J.	-	2016
17.	Antibacterial, antifungal and anti-inflammatory activities of <i>Melia azedarach</i> ethanolic leaf extract	Bangladesh Journal of Pharmacology	Akacha, Maroua, Lahbib, Karima, Remadi, Mejda Daami and Boughanmi, Neziha Ghanem	-	2016
18.	Phytochemically evaluation and net anti-oxidant activity of Tunisian <i>Melia azedarach</i> leaves extract from their ProAntidex parameter	Bangladesh Journal of Pharmacology	Akacha, Maroua, Karima, Lahbib and Boughanmi, Neziha Ghanem	-	2016
19.	Cytotoxic, antibacterial and antioxidant activities of extracts of the bark of <i>Melia</i>	Natural Product Research	Zahoor, Muhammad, Ahmed, Manzoor, Naz, Sumaira and Ayaz,	Jun	2015

	<i>azedarach</i> (China Berry)		Musarrat		
20.	<i>Melia azedarach</i> extract stimulates melanogenesis through increase of tyrosinase-related protein 1 expression in B16F10 mouse melanoma cells	International Journal of Molecular Medicine	Yao, Cheng, Jin, Cheng Long, Oh, Inn Gyung, Park, Chi-Hyun and Chung, Jin Ho	Jun	2015
21.	Formulations of <i>Melia azedarach</i> to Control <i>Diabrotica speciosa</i> (Germar) (Coleoptera: Chrysomelidae) Larvae in Corn and Plant Enhancement	Neotropical Entomology	Souza, B. H. S., Costa, E. N., Forim, M. R., Costa, E. S. and Boica Junior, A. L.	Apr	2015
22.	Limonoids from <i>Melia azedarach</i> Fruits as Inhibitors of Flaviviruses and Mycobacterium tuberculosis	Plos One	Sanna, Giuseppina, Madeddu, Silvia, Giliberti, Gabriele, Ntalli, Nikoletta G., Cottiglia, Filippo, De Logu, Alessandro, Agus, Emanuela and Caboni, Pierluigi	Oct	2015
23.	Pediculicidal treatment using ethanol and <i>Melia azedarach L</i>	Parasitology Research	Rutkauskis, Joo Ricardo, Jacomini, Debora, Temponi, Livia Godinho, Sarragiotto, Maria Helena, Alves da Silva, Edson Antonio and Marino Jorge, Tereza Cristina	Jun	2015
24.	Effect of <i>Melia azedarach Linn.</i> seed extract on estrous cycle and reproductive performance in female rats	International Journal of PharmTech Research	Roop, J. K. and Dhaliwal, P. K.	-	2015
25.	Evaluation of <i>Melia azedarach</i> Extracts Against <i>Streptococcus mutans</i>	Journal of Medicinal Food	Della Bona, Alvaro and Nedel, Fernanda	Feb	2015
26.	Effect of <i>Melia azedarach</i> on nicotine induced changes on female infertility	Advances in Applied Science Research	Bhuvaneshwari, K. and Elango, V.	-	2015
27.	Phytochemical screening, antimicrobial and antioxidant activity of <i>Melia azedarach</i> leaves in methanol solvent	World Journal of Pharmacy and Pharmaceutical Sciences (WJPPS)	Bharat, Pokhrel, Sulav, Raut and Sagar, Rijal	-	2015
28.	Triterpenoids and Sterols from the Leaves and Twigs of <i>Melia azedarach</i>	Natural products and bioprospecting	Zhang, Wei-Ming, Liu, Jie-Qing, Peng, Xing-Rong, Wan, Luo-Sheng, Zhang, Zhi-Run, Li, Zhong-Rong and	Jun	2014

			Qiu, Ming-Hua		
29.	Phytochemicals of <i>Melia azedarach</i> Inhibiting the Growth of <i>Rhizoctonia solani</i>	Journal of Pure and Applied Microbiology	Siddiqui, Iffat, Bokhari, Najat A., Perveen, Kahkashan and Alwahibi, Mona S.	Apr	2014
30.	Anti-urolithiatic activity of <i>Melia azedarach</i> Linn leaf extract in ethylene glycol-induced urolithiasis in male Albino rats	Tropical Journal of Pharmaceutical Research	Senthil Rajan, Dharmalingam, Rajkumar, Madhappan, Kumarappan, Chidambaram, Srinivasan, Ramamurthy, Krishna, Gopal, Swetha, P. and Kumar, K. L. S.	Mar	2014
31.	Cytotoxic and Nitric Oxide Production-Inhibitory Activities of Limonoids and Other Compounds from the Leaves and Bark of <i>Melia azedarach</i>	Chemistry & Biodiversity	Pan, Xin, Matsumoto, Masahiro, Nishimoto, Yuki, Ogihara, Eri, Zhang, Jie, Ukiya, Motohiko, Tokuda, Harukuni, Koike, Kazuo, Akihisa, Momoko and Akihisa, Toshihiro	Aug	2014
32.	Three New and Other Limonoids from the Hexane Extract of <i>Melia azedarach</i> Fruits and Their Cytotoxic Activities	Chemistry & Biodiversity	Pan, Xin, Matsumoto, Masahiro, Nakamura, Yasuhiro, Kikuchi, Takashi, Zhang, Jie, Ukiya, Motohiko, Suzuki, Takashi, Koike, Kazuo, Akihisa, Rima and Akihisa, Toshihiro	<u>Jul</u>	2014
33.	Antibacterial Efficacy of Silver Nanoparticles Synthesized by a Green Method Using Bark Extract of <i>Melia azedarach</i> L	Journal of Pharmaceutical Innovation	Mehmood, Ansar, Murtaza, Ghulam, Bhatti, Tariq Mahmood, Raffi, Muhammad and Kausar, Rehana	Sep	2014
34.	Antihyperglycemic effect of the leaves of <i>Melia azedarach</i> on alloxan induced diabetic rats	International Journal Of Pharma Professional's Research	Prashant Kumar, Raghuveer Irchhiaya, Rubina Lawrence, Amita Verma, Kusum Singh, Vinita Ahirwar	Oct	2014
35.	Bioactivity-guided chemical analysis of <i>Melia azedarach</i> L. (Meliaceae), displaying antidiabetic activity	Fitoterapia	Khan, Mohammad Faheem, Rawat, Arun Kumar, Pawar, Bhawna, Gautam, Sudeep, Srivastava, Arvind Kumar and Negi, Devendra Singh	Oct	2014
36.	Phytochemical Studies and GC-MS Analysis of the Leaf Extracts of <i>Melia azedarach</i> Linn	International journal of Advancement in Engineering	G.M. Krishnaiah, Prashanth G.K	Nov	2014

		Technology, Management & Applied Science			
37.	Pharmacognostic evaluation of root of mahanimba (<i>Melia azedarach</i> linn)	International journal of Science Inventions Today	Shweta vekaria, K.Nishteswar, B.R.Patel, Harisha CR.	May-June	2014
38.	Effects of fractions of <i>Melia azedarach</i> (l.) Fruit extracts on some biochemical parameters in rabbits	Archives of Biological Sciences	Ilahi, Ikram, Qureshi, Irfan Zia and Ahmad, Izhar	-	2014
39.	Effect of <i>Melia azedarach</i> L. on nicotine induced hormonal changes in female albino rats	World Journal of Pharmaceutical Research	Bhuvanewari, Karunakaran and Elango, V.	-	2014
40.	<i>Melia azedarach</i> : A review	International Journal of Medicinal Chemistry & Analysis	Garima Mishra, Sunil Jawla, Vikas Srivastava	-	2013
41.	Effect of leaves extracts of <i>Melia azedarach</i> on apoptosis and nitric oxide synthase of <i>Oncomelania hupensis</i>	Chinese Journal of Zoonoses	Zhang, Yi, Wu, Ying, Gu, Wen-biao, Liu, He-xiang, Zhu, Dan, Lv, Shan, Xia, Shang-guang and Wang, Long-jie	Aug	2013
42.	Cytotoxic Limonoids from <i>Melia azedarach</i>	Planta Medica	Yuan, Chun-Mao, Zhang, Yu, Tang, Gui-Hua, Li, Yan, He, Hong-Ping, Li, Shi-Fei, Hou, Li, Li, Xing-Yao, Di, Ying-Tong, Li, Shun-Lin, Hua, Hui-Ming and Hao, Xiao-Jiang	Jan	2013
43.	Hepatoprotective activity of methanolic extract of <i>Melia azedarach</i> L. on wistar rats	International Journal of Pharma and Bio Sciences	Sumathi, A.	-	2013
44.	Phytochemical screening and antipyretic effects of hydro-methanol extract of <i>Melia azedarach</i> leaves in rabbits	Bangladesh Journal of Pharmacology	Sultana, Sabira, Akhtar, Naveed and Asif, Hafiz Muhammad	-	2013
45.	Phytochemical investigation and radical scavenging activities of <i>Melia azedarach</i> and its DNA protective effect in cultured lymphocytes	Pharmaceutical Biology	Marimuthu, Srinivasan, Balakrishnan, Padmaja and Nair, Sudarsan	Oct	2013
46.	Antiangiogenic Activity of Flavonoids from <i>Melia azedarach</i>	Natural Product Communications	Kumazawa, Shigenori, Kubota, Satomi, Yamamoto, Haruna, Okamura, Naoki, Sugiyama, Yasumasa, Kobayashi, Hirokazu,	Dec	2013

			Nakanishi, Motoyasu and Ohta, Toshiro		
47.	Cytotoxic and Apoptosis-Inducing Activities of 12-O-Acetylazedarachin B from the Fruits of <i>Melia azedarach</i> in Human Cancer Cell Lines	Biological & Pharmaceutical Bulletin	Kikuchi, Takashi, Pan, Xin, Ishii, Koichi, Nakamura, Yasuhiro, Ogihara, Eri, Koike, Kazuo, Tanaka, Reiko and Akihisa, Toshihiro	Jan	2013
48.	Cytotoxic evaluation of <i>Melia azedarach</i> in comparison with, <i>Azadirachta indica</i> and its phytochemical investigation	Daru-Journal of Pharmaceutical Sciences	Jafari, Samineh, Saeidnia, Soodabeh, Hajimehdipoor, Homa, Ardekani, Mohammad Reza Shams, Faramarzi, Mohammad Ali, Hadjiakhoondi, Abbas and Khanavi, Mahnaz	May	2013
49.	Preliminary and pharmacological profile of <i>Melia azedarach</i> L.: an overview	Journal of Applied Pharmaceutical Science	Deepika, Sharma and Yash, Paul	Dec	2013
50.	Ethnobotanical and phytopharmacological notes on <i>Melia azedarach</i> L	Phytotherapie (Paris)	Ben Ghnaya, A., Hamrouni, L. and Hanana, M.	Oct	2013
51.	Assessment of bioactivities of ethanolic extract of <i>Melia azedarach</i> (Meliaceae) leaves	Journal of Coastal Life Medicine	Asadujjaman, Md, Saed, Abu, Hossain, Md Aslam and Karmakar, Utpal Kumar	Apr	2013
52.	Phenolics, antioxidant and anti-inflammatory activities of <i>Melia azedarach</i> extracts	International Journal of Applied Research in Natural Products	Aoudia, H., Oomah, B. D., Zaidi, F., Zaidi-Yahiaoui, R., Drover, J. C. G. and Harrison, J. E.	-	2013
53.	Limonoids from the fruits of <i>Melia azedarach</i> and their cytotoxic activities	Phytochemistry	Akihisa, Toshihiro, Pan, Xin, Nakamura, Yasuhiro, Kikuchi, Takashi, Takahashi, Nami, Matsumoto, Masahiro, Ogihara, Eri, Fukatsu, Makoto, Koike, Kazuo and Tokuda, Harukuni	May	2013
54.	Pharmacological potentials of <i>Melia azedarach</i> L. - A review	American Journal of BioScience	Azam M. M.1, Mamun-Or-Rashid A. N. M.1, Towfique N. M.1, Sen M. K.1*, Nasrin. S2	-	2013
55.	Cytotoxic effect of Green synthesized silver nanoparticles using <i>Melia azedarach</i> against in	Process Biochemistry	Sukirtha, Raman, Priyanka, Kandula Manasa, Antony, Jacob Joe,	Feb	2012

	vitro HeLa cell lines and lymphoma mice model		Kamalakkannan, Soundararajan, Thangam, Ramar, Gunasekaran, Palani, Krishnan, Muthukalingan and Achiraman, Shanmugam		
56.	Evaluation of acute toxicological effects of <i>Melia azedarach</i> (meliaceae) hexanic fruit extract on swiss mice	Ciencia Animal Brasileira	Pires Junior, Helio Bernardes, Ferreira Borges, Ligia Miranda, Dias de Sossal, Lorena Alessandra, Cunha, Luiz Carlos, Lino Junior, Ruy de Souza, dos Anjos Melo, Dorcas Fernandes and Pereira, Marcelo Elias	Oct	2012
57.	Assessment of antimicrobial, insecticidal and genotoxic effects of <i>Melia azedarach</i> L. (chinaberry) naturalized in Anatolia	International Journal of Food Sciences and Nutrition	Orhan, Ilkay Erdogan, Guner, Elif, Ozcelik, Berrin, Senol, Fatma Sezer, Caglar, Selim Sualp, Emecen, Guzin, Kocak, Oner and Sener, Bilge	Aug	2012
58.	Evaluation of antibacterial effects of chinaberry (<i>Melia azedarach</i>) against gram-positive and gram-negative bacteria	International Journal of Agriculture and Crop Sciences (IJACS)	Neycee, M. A., Nematzadeh, G. H. A., Dehestani, A. and Alavi, M.	-	2012
59.	Influence of leaf extracts from <i>Melia azedarach</i> L. on butyrylcholinesterase activity in rat liver	Journal of Medicinal Plants Research	Marek, C. B., Itinose, A. M., Jorge, T. C. M., Parizotto, R. A., Tebaldi, N. R. and Reichert, A. M.	-	2012
60.	Metabolites from <i>Aspergillus fumigatus</i> , an Endophytic Fungus Associated with <i>Melia azedarach</i> , and Their Antifungal, Antifeedant, and Toxic Activities	Journal of Agricultural and Food Chemistry	Li, Xiao-Jun, Zhang, Qiang, Zhang, An-Ling and Gao, Jin-Ming	Apr	2012
61.	Histological and physiochemical standardization of <i>Melia azedarach</i> . Linn bark	Asian Pacific Journal of Tropical Biomedicine	Kumar, S. Vijaya, Sanghai, Dhirendra B., Rao, C. Mallikarjuna and Shreedhara, C. S.	Apr	2012
62.	Insecticidal activity of dichloromethane and methanolic extracts of <i>Azadirachta indica</i> (A. Juss), <i>Melia azedarach</i> (L.) and <i>Carapa guianenses</i> (Aubl.) (Meliaceae) on the subterranean termite <i>Coptotermes gestroi</i>	Bioscience Journal	Inacio, M. de F. and Carvalho, M. G. de	-	2012

	(Wasmann) (Isoptera, Rhinotermitidae)				
63.	In vitro Anthelmintic effect of <i>Melia azedarach</i> L. and <i>Triclinia clausenii</i> C. against sheep gastrointestinal nematodes	Experimental Parasitology	Cala, A. C., Chagas, A. C. S., Oliveira, M. C. S., Matos, A. P., Borges, L. M. F., Sousa, L. A. D., Souza, F. A. and Oliveira, G. P.	Feb	2012
64.	Antifeedant activity of <i>Jatropha gossypifolia</i> and <i>Melia azedarach</i> senescent leaf extracts on <i>Spodoptera frugiperda</i> (Lepidoptera: Noctuidae) and their potential use as synergists	Pest Management Science	Bullangpoti, Vasakorn, Wajnberg, Eric, Audant, Pascaline and Feyereisen, Rene	Sep	2012
65.	Nematotoxic Phenolic Compounds from <i>Melia azedarach</i> Against <i>Meloidogyne incognita</i>	Journal of Agricultural and Food Chemistry	Aoudia, Hassiba, Ntalli, Nikoletta, Aissani, Nadhem, Yahiaoui-Zaidi, R. and Caboni, Pierluigi	Nov	2012
66.	Phytochemical studies and hepatoprotective activity of <i>Melia azedarach</i> Linn., against CCl ₄ induced hepatotoxicity in rats	Journal of Pharmacy Research	Ahmed, M. F., Rao, A. S., Ahemad, S. R. and Mohammed, Ibrahim	Apr	2012
67.	Comparison of headspace solid-phase microextraction with conventional extraction for the analysis of the volatile components in <i>Melia azedarach</i>	Talanta	Yang, Yanqin, Xiao, Yanmeng, Liu, Baofeng, Fang, Xuexun, Yang, Wei and Xu, Jingwei	Oct	2011
68.	Evaluation of antidiabetic activity of <i>Melia azadirachta</i> on alloxan induced diabetic rats	International Journal of Current Pharmaceutical Research	S. Vijayanand, E.G. wesely	Oct	2011
69.	Toxic polyketides produced by <i>Fusarium</i> sp., an endophytic fungus isolated from <i>Melia azedarach</i>	Bioorganic & Medicinal Chemistry Letters	Yang, Sheng-Xiang, Gao, Jin-Ming, Zhang, Qiang and Laatsch, Hartmut	Mar	2011
70.	Cytotoxic Triterpenoids and Steroids from the Bark of <i>Melia azedarach</i>	Planta Medica	Wu, Shi-Biao, Bao, Qiu-Ying, Wang, Wen-Xuan, Zhao, Yun, Xia, Gang, Zhao, Zheng, Zeng, Huaqiang and Hu, Jin-Feng	Jun	2011
71.	Hepatoprotective action of ethanolic extracts of <i>Melia azedarach</i> Linn. and <i>Piper longum</i> Linn and their combination on CCl ₄ induced hepatotoxicity in rats	Indian Journal of Experimental Biology	Rajeswary, H., Vasuki, R., Samudram, P. and Geetha, A.	Apr	2011

72.	Effects of Japanese Bead-tree (<i>Melia azedarach</i> var. <i>subtripinnata</i>) on Gastrointestinal Parasites in Goats	Jarq-Japan Agricultural Research Quarterly	Nakanishi, Yoshitaka, Takayama, Koji and Yasuda, Nobuhiro	Jan	2011
73.	Effects of aqueous leaf extracts of <i>Azadirachta indica</i> A. Juss. (neem) and <i>Melia azedarach</i> L. (Santa Barbara or cinnamon) on the intracellular development of <i>Toxoplasma gondii</i>	Revista Brasileira de Plantas Medicinai	Melo, E. J. T., Vilela, K. J. and Carvalho, C. S.	May	2011
74.	Limonoids and Triterpenoids from the Seeds of <i>Melia azedarach</i>	Chemical & Pharmaceutical Bulletin	Liu, Hong-Bing, Zhang, Chuan-Rui, Dong, Shi-Hui, Dong, Lei, Wu, Yan and Yue, Jian-Min	Aug	2011
75.	Antibacterial efficacy of the seed extracts of <i>Melia azedarach</i> against some hospital isolated human pathogenic bacterial strains	Asian Pacific Journal of Tropical Biomedicine	Khan, Abdul Viqar, Ahmed, Qamar Uddin, Mir, M. Ramzan, Shukla, Indu and Khan, Athar Ali	Dec	2011
76.	Antifungal compounds from <i>Melia azedarach</i> leaves for management of <i>Ascochyta rabiei</i> , the cause of chickpea blight	Natural Product Research	Jabeen, Khajista, Javaid, Arshad, Ahmad, Ejaz and Athar, Makshoof	-	2011
77.	Repellent and Insecticidal Activities of <i>Melia azedarach</i> L. against Cotton Leafworm, <i>Spodoptera littoralis</i> (Boisd.)	Zeitschrift Fur Naturforschung Section C-a Journal of Biosciences	Farag, Mohamed, Ahmed, Mohamed H. M., Yousef, Heba and Abdel-Rahman, Adel A. H.	Mar-Apr	2011
78.	Potential synergistic effect of <i>Melia azedarach</i> fruit extract and <i>Beauveria bassiana</i> in the control of <i>Rhipicephalus</i> (<i>Boophilus</i>) <i>microplus</i> (Acari: Ixodidae) in cattle infestations	Veterinary Parasitology	Dias Sousa, Lorena Alessandra, Pires Junior, Helio Bernardes, Soares, Sara Fernandes, Ferri, Pedro Henrique, Ribas, Patricia, Lima, Eliane Martins, Furlong, John, Elias Pinheiro Bittencourt, Vania Rita, de Souza Perinotto, Wendell Marcelo and Ferreira Borges, Ligia Miranda	Feb	2011
79.	Effect of different solvents for seed oil extraction of <i>Melia azedarach</i> L. (Meliaceae) on insecticidal activity of this plant extract	Planta Medica	Dehyaghobi, Zamani R., Ahmadi, K., Salari, E. and Najmizadeh, H.	Aug	2011
80.	Role of <i>Melia azedarach</i> leaf extract in paracetamol induced hepatic damage in rats	Pharmacognosy Journal	Ahmed, M. F., Rao, A. S., Hameed, Thayyil, Ahemad, S. R. and	-	2011

			Mohammed, Ibrahim		
81.	Evaluation of hydroalcoholic extract of <i>Melia azedarach</i> Linn roots for analgesic and anti-inflammatory activity	International Journal of Phytomedicine	Vishnukanta and Rana, A. C.	-	2010
82.	Sterols and Terpenoids from <i>Melia azedarach</i>	Journal of Natural Products	Tan, Qin-Gang, Li, Xiao-Ning, Chen, Hao, Feng, Tao, Cai, Xiang-Hai and Luo, Xiao-Dong	Apr	2010
83.	GC-MS identification of essential oil components and in vitro investigation of antioxidant activity of methanol extracts from flower and fruit fractions of <i>Melia azedarach</i> cultivated in central iran	Chemistry of Natural Compounds	Safaei-Ghomi, Javad, Ahmadi, Tayebah and Batooli, Hossein	Nov	2010
84.	Nematicidal Carboxylic Acids and Aldehydes from <i>Melia azedarach</i> Fruits	Journal of Agricultural and Food Chemistry	Ntalli, Nikoletta G., Vargiu, Simona, Menkissoglu-Spiroudi, Urania and Caboni, Pierluigi	Nov	2010
85.	Cytotoxic Tirucallane Triterpenoids from <i>Melia azedarach</i> Fruits	Molecules	Ntalli, Nikoletta G., Cottiglia, Filippo, Bueno, Carlos A., Alche, Laura E., Leonti, Marco, Vargiu, Simona, Bifulco, Ersilia, Menkissoglu-Spiroudi, Urania and Caboni, Pierluigi	Sep	2010
86.	Antibacterial Activity of the Essential Oil from <i>Melia azedarach</i> Flowers and Chemical Components Analysis by GC-MS Combined with Chemometrics Resolution Method	Chinese Pharmaceutical Journal	Liu, Shao, Zeng, Maomao, Li, Xinzhong, Liang, Yizeng and Lei, Peng	-	2010
87.	Laboratory and field evaluation of neem (<i>Azadirachta indica</i> A. Juss) and Chinaberry (<i>Melia azedarach</i> L.) oils as repellents against <i>Phlebotomus orientalis</i> and <i>P. bergeroti</i> (Diptera: Psychodidae) in Ethiopia	Acta Tropica	Kebede, Yosef, Gebre-Michael, Teshome and Balkew, Meshesha	Feb	2010
88.	Ovicidal and larvicidal activity of crude extracts of <i>Melia azedarach</i> against <i>Haemonchus</i>	Parasitology Research	Kamaraj, Chinnaperumal, Rahuman, Abdul Abdul, Bagavan, Asokan,	Apr	2010

	contortus (Strongylida)		Mohamed, Mohamed Jamal, Elango, Gandhi, Rajakumar, Govindasamy, Zahir, Abdul Abduz, Santhoshkumar, Thirunavukkarasu and Marimuthu, Sampath		
89.	Compatibility of a <i>Melia azedarach</i> extract with <i>Eriopsis connexa</i> (Coleoptera: Coccinellidae)	Communications in agricultural and applied biological sciences	Haramboure, M., Mirande, L., Smagghe, G., Pineda, S. and Schneider, M. I.	-	2010
90.	Chinaberry Tree (<i>Melia azedarach</i>) Poisoning in Dog: A Case Report	Topics in Companion Animal Medicine	Ferreiro, D., Orozco, J. P., Miron, C., Real, T., Hernandez-Moreno, D., Soler, F. and Perez-Lopez, M.	Feb	2010
91.	Effects of Tomato Genotypes and Aqueous Extracts of <i>Melia azedarach</i> Leaves and <i>Azadirachta indica</i> Seeds on <i>Tuta absoluta</i> (Meyrick) (Lepidoptera: Gelechiidae)	Neotropical Entomology	Brunherotto, Rogerio, Vendramim, Jose D. and Oriani, Maria A. de G.	Sep-Oct	2009
92.	Metabolites from an Endophytic Fungus <i>Sphaceloma</i> sp LN-15 Isolated from the Leaves of <i>Melia azedarach</i>	Lipids Aug	Zhang, An-Ling, He, Li-Ying, Gao, Jin-Ming, Xu, Xu, Li, Shi-Qing, Bai, Ming-Sheng and Qin, Jian-Chun	Aug	2009
93.	Antiulcer activity of <i>Melia azedarach</i> Linn in aspirin induced and pylorus ligated rats	Journal of Pharmacy Research	Yogendr, Bahuguna, Kalpana, Patil, Rawat, M. S. M., Sunil, Jalalpure and Sampada, Uniyal	-	2009
94.	Steroids from the leaves of Chinese <i>Melia azedarach</i> and their cytotoxic effects on human cancer cell lines	Steroids	Wu, Shi-Biao, Ji, Yan-Ping, Zhu, Jing-Jing, Zhao, Yun, Xia, Gang, Hu, Ying-He and Hu, Jin-Feng	Sep	2009
95.	Antioxidant and antihepatotoxic activities of ethanolic crude extract of <i>Melia azedarach</i> and <i>Piper longum</i>	Journal of Medicinal Plants Research	Samudram, P., Vasuki, R., Rajeshwari, H., Geetha, A. and Moorthi, P. Sathiya	Dec	2009
96.	Therapeutic Effect of Meliacine, An Antiviral Derived from <i>Melia azedarach</i> L., in Mice Genital Herpetic Infection	Phytotherapy Research	Petrera, Erina and Coto, Celia E.	Dec	2009
97.	Antimicrobial Activity of <i>Azadirachta indica</i>	Advances in Plant Sciences	Kannahi, M., Sangeetha, K.,	Dec	2009

	A. Juss and <i>Melia azedarach L.</i> against Wound Causing Pathogenic Microorganisms		Madhavan, S. and Umamaheshwari, N.		
98.	Pediculicidal Activity of Hydroethanolic Extracts of <i>Ruta graveolens</i> , <i>Melia azedarach</i> and <i>Sambucus australis</i>	Latin American Journal of Pharmacy	Jorge, Tereza C. M., Lenartovicz, Viridiana, Andrade, Mariana W., Bonafin, Thalita, Giordani, Morenna A., Bueno, Norma B. C. and Schneider, Deborah S. L. G.	May-Jun	2009
99.	Structural features of a new heteropolysaccharide from the fruit bodies of <i>Melia azedarach</i> and its effect on cytotoxic activity	Fitoterapia	He, Liang, Yin, Ning, Cheng, Jun-Wen, Wu, Xue-Qian, Jiang, Jian-Xin and Song, Xian-Liang	Oct	2009
100.	Co-production of bisphenylpropanoid amides and meroterpenes by an endophytic <i>Penicillium brasilianum</i> found in the root bark of <i>Melia azedarach</i>	Zeitschrift fur Naturforschung. Section C, Biosciences	Fill, T. P., Santos, R. M. G. dos, Barisson, A., Rodrigues Filho, E. and Souza, A. Q. L.	-	2009
101.	Co-Production of Bisphenylpropanoid Amides and Meroterpenes by an Endophytic <i>Penicillium brasilianum</i> Found in the Root Bark of <i>Melia azedarach</i>	Zeitschrift Fur Naturforschung Section C-a Journal of Biosciences	Fill, Taicia P., Geris dos Santos, Regina M., Barisson, Anderson, Rodrigues-Filho, Edson and Souza, Antonia Q. L.	May-Jun	2009
102.	Potential uses of <i>Melia azedarach l.</i> (Meliaceae): a survey	Arquivos do Instituto Biologico Sao Paulo	de Araujo, S. A. C., Teixeira, M. F. S., Dantas, T. V. M., Melo, V. S. P., Lima, F. E. S., Ricarte, A. R. F., Costa, E. C. and Miranda, A. M.	Jan-Mar	2009
103.	Physical and Chemical Characterization of <i>Melia azedarach L.</i> Fruit and Leaf for use as Botanical Insecticide	Chilean journalof agricultural research	Italo Chiffelle G., Amanda Huerta F., and Diego Lizana R.	Jan-Mar	2009
104.	In Vitro Antibacterial Prospective of Crude Leaf Extracts of <i>Melia azedarach</i> Linn. against Selected Bacterial Strains	Ethnobotanical Leaflets	S Ramya1, PJ Jepachanderamohan1, N Alaguchamy1, M Kalayanasundaram1 and R Jayakumararaj2	Jan	2009
105.	Effect of Fruit and Leaves of Meliaceae Plants (<i>Azadirachta indica</i> and <i>Melia azedarach</i>) on	Journal of Medical Entomology	Anidrade-Coelho, Claudia A., Souza, Nataly A., Gouveia, Cheryl, Silva,	Sep	2008

	the Development of <i>Lutzomyia longipalpis</i> Larvae (Diptera: Psychodidae: Phlebotominae) Under Experimental Conditions		Vanderlei C., Gonzalez, Marcelo S. and Rangel, Elizabeth F.		
106.	New lactoyl glycoside quercetin from <i>Melia azedarach</i> leaves	Chemistry of Natural Compounds	Salib, J. Y., Michael, H. N. and El-Nogoumy, S. I.	Jan	2008
107.	Effect of cream containing <i>Melia azedarach</i> flowers on skin diseases in children	Phytomedicine	Saleem, Rubeena, Rani, Rizwana, Ahmed, Muhammad, Sadaf, Farzana, Ahmad, Syed Iqbal, ul Zafar, Navaid, Khan, Sobia Sajida, Siddiqui, Bina Shaheen, Lubna, Ansari, Farheen, Khan, Shakeel Ahmed and Faizi, Shaheen	Apr	2008
108.	Impact of botanical extracts derived from leaf extracts <i>Melia azedarach</i> L. (Meliaceae) and <i>Amaranthus viridis</i> L. (Amaranthaceae) on populations of <i>Spodoptera exigua</i> (Hubner) (Lepidoptera: Noctuidae) and detoxification enzyme activities	Communications in agricultural and applied biological sciences	Rachokarn, Sakolthana, Piyasaengthong, Narisara and Bullangpoti, Vasakorn	-	2008
109.	Leaf extracts of <i>Melia azedarach</i> Linnaeus (Sapindales: Meliaceae) act as larvicide against <i>Aedes aegypti</i> (Linnaeus, 1762) (Diptera: Culicidae)	Revista Da Sociedade Brasileira De Medicina Tropical	Prophiro, Josiane Somariva, Nogared Rossi, Juliana Chedid, Pedroso, Murilo Fernandes, Kanis, Luiz Alberto and Silva, Onilda Santos	Nov-Dec	2008
110.	Human <i>Melia azedarach</i> poisoning	Clinical Toxicology	Phua, Dong Haur, Tsai, Wei-Jen, Ger, Jiin, Deng, Jou-Fang and Yang, Chen-Chang	Dec	2008
111.	<i>Melia azedarach</i> extract and essential oils of <i>Cinnamomun zeylanicum</i> , <i>Mentha piperita</i> and <i>Lavandula officinalis</i> as a control of <i>Paenibacillus</i> larvae	Zootecnia Tropical	Gende, L. B., Principal, J., Maggi, M. D., Palacios, S. M., Fritz, R. and Eguaras, M. J.	-	2008
112.	Evaluation of efficacy of ripe and unripe fruit oil extracts of <i>Melia azedarach</i> against <i>Rhipicephalus</i> (<i>Boophilus</i>) <i>microplus</i> (Acari :	Revista Brasileira De Parasitologia Veterinaria	Dias De Sousa, Lorena A., Soares, Sara E., Pires, Helio B., Ferri, Pedro H. and Ferreira Borges, Ligia M.	Jan-Mar	2008

	ixodidae)				
113.	Larvicide and oviposition deterrent effects of fruit and leaf extracts from <i>Melia azedarach</i> L. on <i>Aedes aegypti</i> (L.) (Diptera : Culicidae)	Bioresource Technology	Coria, C., Almiron, W., Valladares, G., Carpinella, C., Luduena, F., Defago, M. and Palacios, S.	May	2008
114.	Analysis of Chemical Constituents of Volatile Oil from Different Parts of <i>Melia azedarach</i> L. by GC-MS	Natural Product R & D	Chengke, B. A. I.	-	2008
115.	Hepatoprotective activity of <i>Melia azedarach</i> Linn. flower extract against paracetamol induced hepatic damage in albino rats	Plant Archives	Chelvan, V. K. K., Ramanathan, T., Manavalan, R. and Balamurugan, K.	-	2008
116.	Effects of different water extracts of fruit of <i>Melia azedarach</i> on glucose levels in diabetic rats	Journal of Applied Zoological Researches	Chaturvedi, P.	-	2008
117.	<i>Melia azedarach</i> L. extracts and their activity on <i>Musca domestica</i> L. (Diptera: Muscidae)	Revista Brasileira De Farmacognosia-Brazilian Journal of Pharmacognosy	Cabral, Marise M. O., Crescente, Esteban R. F., Mendonca, Paloma M., Gomes, Celma M. S., Oliveira, Vanderleia C. and Kelecom, Alphonse	Dec	2008
118	Phytochemical and pharmacological investigation of <i>Melia azedarach</i> leaves for antiurolithiatic activity	Journal of Tropical Medicinal Plants	Bahuguna, Y. M., Patil, K. S. and Jalalpure, S. S.	-	2008
119	New nimbolinin and meliacarpin derivatives from <i>Melia azedarach</i>	Revista Latinoamericana de Quimica	Ayyad, S. N., Hoye, T. H., Sreerama, L., Dawidar, A. M., Alarif, W. M. and Abdel-Mogib, M.	-	2008
120	Cryopreservation of somatic embryos of paradise tree (<i>Melia azedarach</i> L.)	Cryoletters	Scocchi, Adriana, Vila, Silvia, Mroginski, Luis and Engelmann, Florent	Jul-Aug	2007
121	Larvicidal effect of ethanolic extracts from <i>Melia azedarach</i> dried leaves and ripe fruits in <i>Aedes albopictus</i> larvae	Latin American Journal of Pharmacy	Rossi, Juliana C. N., Prophiro, Josiane S., Mendes, Anderson M., Kanis, Luiz A. and Silva, Onilda S.	Sep-Oct	2007
122	Antifertility effect of <i>Melia azedarach</i> Linn. (dharek) seed extract in female albino rats	Indian Journal of Experimental Biology	Mandal, Reshu and Dhaliwal, Patwant Kaur	Oct	2007

123	Inhibitory effects of <i>Melia azedarach</i> L. extracts on the growth of <i>Trichomonas vaginalis</i> - Ultrastructural changes of <i>Trichomonas vaginalis</i> treated by <i>Melia azedarach</i> L	Journal of Protozoology Research	Lee, Yun Sik, Chung, In Bai, Choi, Won Hyung, Cho, Yoo Jung, Chu, Jong Phil, Min, Byung-Ii and Shin, Eun-Hee	Jun	2007
124	The effects of ethanolic extracts of <i>Melia indica</i> and <i>Melia azedarach</i> fruits on reproductive indices of male rats	Medical Journal of Reproduction & Infertility	Khanavi, M., Hadjiakhoondi, A., Sadeghipour-Roodsari, H. R., Vosoughi, M. and Arbabi, R.	-	2007
125	<i>Melia azedarach</i> : New potential for an old medicinal plant	Journal of the American Academy of Dermatology	Cropley, Thomas G. and Hasegawa, Guy R.	Aug	2007
126	Effects of different types of water decoctions of fruit of <i>Melia azedarach</i> on glucose induced hyperglycemia, liver transaminases, lipid peroxidation and reduced glutathione in normal albino rats	Scientific Research and Essays	Chaturvedi, P. and Segale, M.	Sep	2007
127	In vitro pediculicidal and ovicidal activity of an extract and oil from fruits of <i>Melia azedarach</i> L	Journal of the American Academy of Dermatology	Carpinella, Maria C., Miranda, Monica, Almiron, Walter R., Ferrayoli, Carlos G., Almeida, Francisco Luduena and Palacios, Sara M.	Feb	2007
128	In vitro anthelmintic activity of <i>Melia azedarach</i> naturalized in Argentina	Phytotherapy Research	Szewczuk, Victor D., Mongelli, Elena R. and Pomilio, Alicia B.	Nov	2006
129	Anticomplementary activities of aqueous extracts of the fruits of <i>Melia azedarach</i> and <i>Cotoneaster prostratae</i> in rats	Journal of Animal and Veterinary Advances	Rhaymah, M. S.	-	2006
130	Efficacy of <i>Melia azedarach</i> L. extract on the malarial vector <i>Anopheles stephensi</i> Liston (Diptera : Culicidae)	Bioresource Technology	Nathan, S. S., Savitha, G., George, D. K., Narmadha, A., Suganya, L. and Chung, P. G.	Jul	2006
131	Ovicidal and larvicidal activity of <i>Melia azedarach</i> extracts on <i>Haemonchus contortus</i>	Veterinary Parasitology	Maciel, M. V., Morais, S. M., Bevilaqua, C. M. L., Camurca-Vasconcelos, A. L. F., Costa, C. T. C. and Castro, C. M. S.	Aug	2006

132	Degraded and oxetane-bearing limonoids from the roots of <i>Melia azedarach</i>	Chemical & Pharmaceutical Bulletin	Fukuyama, Yoshiyasu, Nakaoka, Momoko, Yamamoto, Tomoko, Takahashi, Hironobu and Minami, Hiroyuki	Aug	2006
133	Insecticide and antifeedant activity of different plant parts of <i>Melia azedarach</i> on <i>Xanthogaleruca luteola</i>	Fitoterapia	Defago, M., Valladares, G., Banchio, E., Carpinella, C. and Palacios, S.	Dec	2006
134	Seroepidemiological survey on canine leishmaniasis among dogs from an urban area of Brazil	Veterinary Parasitology	Dantas-Torres, Filipe, Edileuza Felinto de Brito, Maria and Brandao-Filho, Sinval Pinto	Aug	2006
135	Antilithiatic effect of <i>Melia azedarach</i> on ethylene glycol-induced nephrolithiasis in rats	Pharmaceutical Biology	Christina, A. J. M., Najumadeen, N. A. Haja, Kumar, S. Vimal, Manikandan, N., Tobin, G. C., Venkataraman, S. and Muruges, N.	Sep	2006
136	Evaluation of antimalarial activity of <i>Melia azedarach</i>	Journal of Applied Zoological Researches	Charturvedi, P., Raseroka, B. H. and Ntshebe, O.	-	2006
137	Impact of botanical pesticides derived from <i>Melia azedarach</i> and <i>Azadirachta indica</i> plants on the emission of volatiles that attract parasitoids of the diamondback moth to cabbage plants	Journal of Chemical Ecology	Charleston, D. S., Gols, R., Hordijk, K. A., Kfir, R., Vet, L. E. M. and Dicke, M.	Feb	2006
138	Cytotoxic limonoids from Brazilian <i>Melia azedarach</i>	Chemical & Pharmaceutical Bulletin	Zhou, H. L., Hamazaki, A., Fontana, J. D., Takahashi, H., Wandscheer, C. B. and Fukuyama, Y.	Oct	2005
139	Extracts of <i>Azadirachta indica</i> and <i>Melia azedarach</i> seeds inhibit folliculogenesis in albino rats	Brazilian Journal of Medical and Biological Research	Roop, J. K., Dhaliwal, P. K. and Guraya, S. S.	Jun	2005
140	Efficacy of <i>Melia azedarach</i> (Meliaceae) hexanic ripe fruit extract against <i>Boophilus microplus</i> (Acari: Ixodidae) on artificially infested calves	Revista de Patologia Tropical	Ferreira Borges, Ligia Miranda, Ferri, Pedro Henrique, Correa Silva, Wellington, Silva, Waydson Jeronimo, Melo, Lorena Socorro, Dias Souza, Lorena Alessandra,	Jan-Apr	2005

			Soares, Sara Fernandes, Faria, Karina Alves, Gomes, Natali Almeida, Mori, Anderson and Silva, Nivia Faria		
141	Acute effects of some organic extracts of <i>Melia azedarach</i> fruit on blood glucose levels in albino rats	Journal of Applied Zoological Researches	Chasturvedi, P., Raseroka, B. H. and Batisane, B.	Dec	2005
142	Behavioural responses of diamondback moth <i>Plutella xylostella</i> (Lepidoptera : Plutellidae) to extracts derived from <i>Melia azedarach</i> and <i>Azadirachta indica</i>	Bulletin of Entomological Research	Charleston, D. S., Kfir, R., Vet, L. E. M. and Dicke, M.	Oct	2005
143	Antifungal synergistic effect of scopoletin, a hydroxycoumarin isolated from <i>Melia azedarach</i> L. fruits	Journal of Agricultural and Food Chemistry	Carpinella, M. C., Ferrayoli, C. G. and Palacios, S. M.	Apr	2005
144	New ring C-seco limonoids from Brazilian <i>Melia azedarach</i> and their cytotoxic activity	Journal of Natural Products	Zhou, H. L., Hamazaki, A., Fontana, J. D., Takahashi, H., Esumi, T., Wandscheer, C. B., Tsujimoto, H. and Fukuyama, Y.	Sep	2004
145	Effects of <i>Azadirachta indica</i> and <i>Melia azedarach</i> (Meliaceae) extracts from leaves on <i>Trypanosoma cruzi</i> growth and ultrastructure	Journal of Submicroscopic Cytology and Pathology	Yanes, A., Finol, H. J. and Hasegawa, M.	Apr	2004
146	Larvicidal action of ethanolic extracts from fruit endocarps of <i>Melia azedarach</i> and <i>Azadirachta indica</i> against the dengue mosquito <i>Aedes aegypti</i>	Toxicon	Wandscheer, C. B., Duque, J. E., da Silva, M. A. N., Fukuyama, Y., Wohlke, J. L., Adelman, J. and Fontana, J. D.	Dec	2004
147	In-vitro evaluation of <i>Melia azedarach</i> (Bakain) against pre-parasitic stages of <i>Haemonchus contortus</i>	Indian Journal of Animal Sciences	Swarnkar, C. P., Singh, D., Khan, F. A., Bhagwan, P. S. K. and Dubey, S. C.	Sep	2004
148	Role of energy metabolism in the pregnancy interceptive action of <i>Ferula assafoetida</i> and <i>Melia azedarach</i> extracts in rat	Contraception	Keshri, G., Bajpai, M., Lakshmi, V., Setty, B. S. and Gupta, G.	Nov	2004
149	Laboratory evaluation of <i>Melia azedarach</i> L. and <i>Eucalyptus globulus</i> Labill. Extracts in	Communications in Agricultural and Applied Biological Sciences	Bounechada, M., Doumandji, S. E. and Laouer, H.	-	2004

	order to control Ocnieridia volxemi bolivar (Orthoptera, Pamphaginae) hoppers				
150	Phytochemical investigation of <i>Melia azedarach</i> leaves	Journal of Medicinal and Aromatic Plant Sciences	Suhag, P., Meera and Kalidhar, S. B.	Jun	2003
151	Pregnancy interceptive activity of <i>Melia azedarach</i> Linn. in adult female Sprague-Dawley rats	Contraception	Keshri, G., Lakshmi, V. and Singh, M. M.	Oct	2003
152	Further meroterpenes produced by <i>Penicillium</i> sp., an endophyte obtained from <i>Melia azedarach</i>	Zeitschrift Fur Naturforschung Section C-a Journal of Biosciences	dos Santos, R. M. G. and Rodrigues-Fo, E.	Sep	2003
153	Antifungal effects of different organic extracts from <i>Melia azedarach</i> L. on phytopathogenic fungi and their isolated active components	Journal of Agricultural and Food Chemistry	Carpinella, M. C., Giorda, L. M., Ferrayoli, C. G. and Palacios, S. M.	Apr	2003
154	Antifeedant and insecticide properties of a limonoid from <i>Melia azedarach</i> (Meliaceae) with potential use for pest management	Journal of Agricultural and Food Chemistry	Carpinella, M. C., Defago, M. T., Valladares, G. and Palacios, S. M.	Jan	2003
155	In vitro efficacy of extracts of <i>Melia azedarach</i> against the tick <i>Boophilus microplus</i>	Medical and Veterinary Entomology	Borges, L. M. F., Ferri, P. H., Silva, W. J., Silva, W. C. and Silva, J. G.	Jun	2003
156	An antiviral meliacarpin from leaves of <i>Melia azedarach</i> L	Zeitschrift Fur Naturforschung C-a Journal of Biosciences	Alche, L. E., Ferek, G. A., Meo, M., Coto, C. E. and Maier, M. S.	Mar	2003
157	New terpenoids from the roots of <i>Melia azedarach</i>	Australian Journal of Chemistry	Shaheen, Faizi, Amir, Wasi, Siddiqui, B. S. and Aneela, Naz	-	2002
158	Antibacterial effect of <i>Melia azedarach</i> flowers on rabbits	Phytotherapy Research	Saleem, R., Ahmed, S. I., Shamim, S. M., Faizi, S. and Siddiqui, B. S.	Dec	2002
159	Meroterpenes from <i>Penicillium</i> sp found in association with <i>Melia azedarach</i>	Phytochemistry	Geris dos Santos, Regina M. and Rodrigues-Fo, Edson	Dec	2002
160	Intoxication of cattle by the fruits of <i>Melia azedarach</i>	Veterinary and human toxicology	del Mendez, Maria Carmen, Elias, Fabiana, Aragao, Marcos, Gimeno, Eduardo Juan and Riet-Correa, Franklin	Jun	2002
161	Degraded limonoids from <i>Melia azedarach</i> and biogenetic implications	Phytochemistry	D'Ambrosio, M. and Guerriero, A.	Jun	2002

162	Potent limonoid insect antifeedant from <i>Melia azedarach</i>	Bioscience Biotechnology and Biochemistry	Carpinella, C., Ferrayoli, C., Valladares, G., Defago, M. and Palacios, S.	Aug	2002
163	Phytochemical investigation of <i>Melia azedarach</i> seeds	Journal of Medicinal and Aromatic Plant Sciences	Bharti, Suhag, Puja, Kumar, Rishi, Singh, Ram and Kalidhar, S. B.	Mar	2002
164	An antiviral principle present in a purified fraction from <i>Melia azedarach</i> L. leaf aqueous extract restrains herpes simplex virus type 1 propagation	Phytotherapy Research	Alche, L. E., Barquero, A. A., Sanjuan, N. A. and Coto, C. E.	Jun	2002
165	Antiviral activity of natural products: <i>Melia azedarach</i> L. effect on replication of Junin virus, agent of Argentine haemorrhagic fever, and therapeutic action on stromal keratitis in mice caused by herpes simplex	Anales de la Academia Nacional de Ciencias Exactas, Fisicas y Naturales de Buenos Aires	Coto, C. E., Alche, L. E. and Castilla, V.	-	2001
166	Suppression of inducible nitric oxide synthase expression in RAW 264.7 macrophages by two beta-carboline alkaloids extracted from <i>Melia azedarach</i>	European Journal of Pharmacology	Lee, B. G., Kim, S. H., Zee, O. P., Lee, K. R., Lee, H. Y., Han, J. W. and Lee, H. W.	Oct	2000
167	Two new meliacarpinins from the roots of <i>Melia azedarach</i>	Chemical & Pharmaceutical Bulletin	Fukuyama, Y., Ogawa, M., Takahashi, H. and Minami, H.	Feb	2000
168	The action of untreated extracts of <i>Melia azedarach</i> on the multiplication of chlamydiae in distinct cellular systems	Revista Argentina de Microbiologia	Venier, M., Wachsman, M., Rodriguez Fermepin, M., Coto, C. and de Torres, R.	-	1999
169	Effects of <i>Melia azedarach</i> on <i>Triatoma infestans</i>	Fitoterapia	Valladares, G. R., Ferreyra, D., Defago, M. T., Carpinella, M. C. and Palacios, S.	Aug	1999
170	Inducible nitric oxide synthase inhibitors from <i>Melia azedarach</i> var. japonica	Archives of Pharmacal Research	Kwon, H. C., Lee, B. G., Kim, S. H., Jung, C. M., Hong, S. Y., Han, J. W., Lee, H. W., Zee, O. P. and Lee, K. R.	Aug	1999
171	Antifungal activity of <i>Melia azedarach</i> fruit extract	Fitoterapia	Carpinella, M. C., Herrero, G. G., Alonso, R. A. and Palacios, S. M.	Jun	1999

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173	Inhibition of foot and mouth disease virus (FMDV) uncoating by a plant-derived peptide isolated from <i>Melia azedarach</i> L leaves	Archives of Virology	Wachsman, M. B., Castilla, V. and Coto, C. E.	-	1998
174	Effect of <i>Melia azedarach</i> fruit extract on juvenile hormone titer and protein content in the hemolymph of two species of noctuid lepidopteran larvae Insecta : Lepidoptera : Noctuidae	Phytoparasitica	Schmidt, G. H., Rembold, H., Ahmed, A. A. I. and Breuer, M.	-	1998
175	In vitro and in vivo activities of <i>Melia azedarach</i> L. aqueous leaf extracts on murine lymphocytes	Phytomedicine	Courreges, M. C., Benencia, F., Coulombie, F. C. and Coto, C. E.	Mar	1998
176	In vitro anti-Junin virus activity of a peptide isolated from <i>Melia azedarach</i> L. leaves	International Journal of Antimicrobial Agents	Castilla, V., Barquero, A. A., Mersich, S. E. and Coto, C. E.	Apr	1998
177	In vitro anti-Junin virus activity of a peptide isolated from <i>Melia azedarach</i> L. leaves (vol 10, pg 67, 1998)	International Journal of Antimicrobial Agents	Castilla, V., Barquero, A. A., Mersich, S. E. and Coto, C. E.	May	1998
178	Effect of <i>Melia azedarach</i> extract on larval development and reproduction parameters of <i>Spodoptera littoralis</i> (Boisd) and <i>Agrotis ipsilon</i> (Hufn) (Lep Noctuidae)	Anzeiger Fur Schadlingskunde Pflanzenschutz Umweltschutz	Schmidt, G. H., Ahmed, A. A. I. and Breuer, M.	Jan	1997
179	Spontaneous poisoning by chinaberry (<i>Melia azedarach</i>). Lesions in the skeletal musculature of cattle	Obiettivi e Documenti Veterinari	Ottino, J. F. and Renner, J. E.	-	1997
180	Some physiological and histological alterations in <i>Clarias lazera</i> , induced by <i>Melia azedarach</i> derivatives	Journal of Environmental Biology	Moussa, F. I., Adhem, K. G., Hashem, H. O. and AbdElHamed, N.	Apr	1997
181	Cytotoxic azadirachtin-type limonoids from <i>Melia azedarach</i>	Phytochemistry	Takeya, K., Qiao, Z. S., Hirobe, C. and Itokawa, H.	Jun	1996

182	Cytotoxic trichilin-type limonoids from <i>Melia azedarach</i>	Bioorganic & Medicinal Chemistry	Takeya, K., Qiao, Z. S., Hirobe, C. and Itokawa, H.	Aug	1996
183	Case report: spontaneous poisoning by the tree <i>Melia azedarach</i>	Veterinaria Argentina	Renner, J. E. and Ottino, J. F.	-	1996
184	Anti-moulting activity in Brazilian <i>Melia azedarach</i>	Memorias Do Instituto Oswaldo Cruz	Cabral, M. M. O., Garcia, E. S., Rembold, H., DeSimone, S. G. and Kelecom, A.	Feb	1996
185	Pathological and biochemical changes in intoxication of mindi (<i>Melia azedarach</i>) leaf	Jurnal Ilmu Ternak dan Veteriner	Sani, Y. and Bahri, S.	-	1995
186	Cytotoxic limonoids and tetranortriterpenoids from <i>Melia azedarach</i>	Chemical & Pharmaceutical Bulletin	Itokawa, H., Qiao, Z. S., Hirobe, C. and Takeya, K.	Jul	1995
187	Lignanes from the Brazilian <i>Melia azedarach</i> , and their activity in <i>Rhodnius prolixus</i> (Hemiptera, Reduviidae)	Memorias Do Instituto Oswaldo Cruz	Cabral, M. M. O., Garcia, E. S. and Kelecom, A.	Dec	1995
188	The toxic chemical factors in the fruits of <i>Melia azedarach</i> and the bio-activities toward <i>Pieris rapae</i>	Acta Entomologica Sinica	Wang, Wen-Lu, Wang, Yi and Chiu, Shin-Foon	-	1994
189	Effect of alcoholic fruit extract of <i>Melia azedarach</i> L. on the ovaries, fecundity and fertility of cotton leafworm moths <i>Spodoptera littoralis</i> Boisid	Alexandria Journal of Agricultural Research	Hashem, H. O., Kheirallah, A. M., Swidan, M. H. and Osman, W. E.	-	1994
190	Effect of chinaberry tree (<i>Melia azedarach</i>) fruits against the cowpea beetle (<i>Callosobruchus maculatus</i> F.)	Annals of Agricultural Science, Moshtohor	El-Lakwah, F. A., Mohamed, R. A. and Shams El-Din, A. M.	-	1994
191	The effects of <i>Melia azedarach</i> on the nymphs of the desert locust <i>Schistocerca gregaria</i> F	Sahel PV Info	Doumbia, L.	-	1994
192	Effects of <i>Melia azedarach</i> l on oviposition and feeding of <i>plutella-xylostella</i> l	Insect Science and Its Application	Dilawari, V. K., Singh, K. and Dhaliwal, G. S.	Apr	1994
193	In-vitro antiphagocytic effect of <i>Melia azedarach</i> leaf extracts on mouse peritoneal-exudate cells	Journal of Ethnopharmacology	Courreges, M. C., Benencia, F., Coto, C. E., Massouh, E. J. and Coulombie, F. C.	Jul	1994

194	Effect of <i>Melia azedarach</i> l leaf extracts on human-complement and polymorphonuclear leukocytes	Journal of Ethnopharmacology	Benencia, F., Courreges, M. C., Massouh, E. J. and Coulombie, F. C.	Jan	1994
195	Purification and partial characterization of an antiviral active peptide from <i>Melia azedarach</i> l	Antiviral Chemistry & Chemotherapy	Andrei, G., Couto, A. S., Delederkremer, R. M. and Coto, C. E.	Mar	1994
196	Cytotoxic limonoids from <i>Melia azedarach</i> var <i>japonica</i>	Phytochemistry	Ahn, J. W., Choi, S. U. and Lee, C. O.	Aug	1994
197	Effects of some insecticidal components from <i>Melia azedarach</i> on <i>Pieris rapae</i> and <i>Ostrinia furnacalis</i>	Acta Phytophylacica Sinica	Wang, W. L., Zhao, S. H., Han, J. and Xu, Y. S.		1992
198	Partially purified leaf extracts of <i>Melia azedarach</i> l inhibit tacaribe virus growth in neonatal mice	Phytotherapy Research	Coulombie, F. C., Andrei, G. M., Laguens, R. P., Detorres, R. A. and Coto, C. E.	Feb	1992
199	Effect of <i>Melia azedarach</i> fresh leaf aqueous extract on mice hematological parameters	Fitoterapia	Benecia, F., Courreges, M. C., Coulombie, F. C. and Massouh, E. J.	-	1992
200	Toxicological studies of <i>Melia azedarach</i> l. Flowers and berries	Pakistan Journal of Pharmaceutical Sciences	Zakir Ur, Rahman, Ahmad, S., Qureshi, S., Atiq Ur, Rahman and Badar, Y.	-	1991
201	Studies on the chemical constituents of <i>Melia azedarach</i> l	Yaoxue Xuebao	Han, J., Lin, W. H., Xu, R. S., Wang, W. L. and Zhao, S. H.	-	1991
202	Meliacine an antiviral compound from <i>Melia azedarach</i> l. Inhibits interferon production	Journal of Interferon Research	Andrei, G. M., Coulombie, F. C., Courreges, M. C., De Torres, R. A. and Coto, C. E.	Oct	1990
203	A note on neuropsychopharmacological studies of <i>Melia azedarach</i> leaves	Indian Journal of Pharmacology	Verma, S., Hamdard, M. E. and Dandiya, P. C.	-	1989
204	Comparative pharmacognostic studies on the leaf drugs of <i>azadirachta-indica</i> and <i>Melia azedarach</i>	Journal of Economic and Taxonomic Botany	Sarkar, M. S. and Datta, P. C.	-	1989
205	Inhibition of pseudorabies virus multiplication by an antiviral isolated from <i>Melia azedarach</i> l. Green leaves	Revista Argentina de Microbiologia	Decalzo, A. M. and Coto, C.	-	1989

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207	Antiviral effects of <i>Melia azedarach</i> l leaves extracts on sindbis virus-infected cells	Antiviral Research	Wachsman, M. B., Damonte, E. B., Coto, C. E. and Detorres, R. A.	Aug	1987
208	Further constituent from the seeds of <i>Melia azedarach</i>	Planta Medica	Srivastava, S. D.	Feb	1987
209	Pollinosis - some immunological and regional considerations and the description of <i>Melia azedarach</i> respiratory allergy	Allergologia Et Immunopathologia	Baenacagnani, C. E., Patino, C. M. and Caceres, M. S.	Nov	1987
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212	An antiviral factor from <i>Melia azedarach</i> l prevents tacaribe virus encephalitis in mice	Experientia	Andrei, G. M., Lampuri, J. S., Coto, C. E. and Detorres, R. A.	Jul	1986
213	New limonoids from the roots of <i>Melia azedarach</i> linn	Indian Journal of Chemistry Section B-Organic Chemistry Including Medicinal Chemistry	Srivastava, S. K. and Gupta, H. O.	-	1985
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217	Evaluation of <i>Melia azedarach</i> fruit bakain against ascaridia-galli infection in chickens	Pakistan Veterinary Journal	Akhtar, M. S. and Riffat, S.	-	1985
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226	Poisoning by <i>Melia azedarach</i> in pigs	Veterinary Record	Kwatra, M. S., Singh, B., Hothi, D. S. and Dhingra, P. N.	-	1974
227	Tetracyclic triterpenoids from <i>Melia azedarach</i> , I-iii	Tetrahedron	Chiang, C. K. and Chang, F. C.	-	1973
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230	Studies on the anthelmintic constituents of <i>Melia azedarach</i>	Jour Osaka City Med Center	Taniguchi, Shigeku	-	1960
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233	The chemical composition of the China berry (<i>Melia azedarach</i>)	Jour Elisha Mitchell Sci Soc	Bost, R. W. and Fore, D. A. N.	-	1935
234	Toxic Effect of the China Tree, <i>M. azedarach</i> L	Rev. Med. vet.	Schang, P. J.	-	1934
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236	Preliminary report on the toxicity of the fruit of <i>Melia azedarach</i> (Syringa berries)	Trans Roy Soc S Africa	Steyn, D. G. and Rindl, M.	-	1929
237	<i>Melia azedarach</i> oil-containing antibacterial deodorant type medical cotton swab for promoting wound healing, comprises cotton fiber composite and cotton swab wrapped at end of composite fiber composite	Fuyang Huikang Medical Instr Co Ltd(Assignee)	-	-	-
238	Use of <i>Melia azedarach</i> bark in preparing a medicine for inhibiting H1N1 influenza virus A	Chinese Acad Sci Changchun Inst Appl Che (Assignee)	Fang, X., Tian, L., Wang, C., Xu, J., Yang, W., Yang, Y. and Xiao, Y.	-	-

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