

DEPARTMENT OF BOTANY

2021

1. **Sheeja, T. Tharakan**, Arsha Manoj, Sreelakshmi Thekkethara Subash, Sreelakshmi Karimankuzhiyill Rajagopal and Sreelakshmi Pushpangathan. A Comprehensive Review on Phytochemical Analysis and Biological Activities of *Adenantha pavonina* L. and *Pongamia pinnata* (L.) Pierre. International Journal of Pharmacy and Pharmaceutical Research. Volume 21 (3), 2021.909-932. ISSN: 2349-7203.
2. **Sheeja T. Tharakan**, Anagha Anto, Anu C. Benny and Swetha Rathnakaran. Phytochemical and pharmacological review of *Aerva lanata*. World Journal of Pharmacy and Pharmaceutical Sciences. Volume 10 (6), 2021.1202-1218. ISSN: 2278-4357.
3. Reshma. D, Anitha, C.T and **Sheeja T Tharakan**. Phytochemical and pharmacological properties of five different species of *Jasminum*. Plant Archives. Volume 21 (2), 2021.126-136. ISSN: 2581-6063.
4. **Manju Madhavan**, Elsa Rose P.J., Arunima Francis, Grace Maria Benny and Anila Wilson. Green synthesis of silver nanoparticles from fruit rind extract of *Garcinia mangostana* L. and evaluation of antibacterial properties. Plant Archives. Volume 21 (2), 2021.279-283. ISSN: 2581-6063.

2020

1. **Sheeja, T. Tharakan, Manju Madhavan**, Anu C Benny, Anagha Anto and Swetha Ratnakaran.. Phytochemical and Pharmacological Studies of *Nyctanthes arbor-tristis* (Linn.). JAC: A Journal of Composition Theory. Volume 13(9), 2020. 207-218.ISSN: 0731-6755.
2. Manju Madhavan and **Sheeja T Tharakan**. Pharmacognostic evaluation and anthelmintic activity of leaf and stem extracts of *Clinacanthus nutans* Lindau. Journal of Pharmacognosy and Phytochemistry 2020; 9(5): 398-401.
3. **Smita Parayangattil Subramanian** and Jismy Johnson. Phytochemical screening of *Talinum triangulare* (Jacq).Willd World Journal of Pharmacy and Pharmaceutical Sciences. Volume 9 (2), 2020. ISSN 2278 – 4357.
4. **Manju Madhavan** and **Sheeja, T. Tharakan** Total Phenolic quantification and antihelminthic activity of *Sarcostemma acidum* (Roxb.) VOIGT. Journal of Pharmaceutical Science and Research. Volume 12(1), 2020. 28-30.ISSN: 0975-1459.
5. **Silvy Mathew**, Cristiane, P. Victo´rio, Jasmine Sidhi, M. S., Baby Thanzeela, B.H. Biosynthesis of silver nanoparticle using flowers of *Calotropis gigantea* (L.) W.T. Aiton and activity against pathogenic bacteria. Arabian Journal of Chemistry. Volume 13(12), 2020. 9139-9144.
6. **Silvy Mathew** and Cristiane, P. Victo´rio. Antifungal Properties of Rhizomes of *Alpinia calcarata* Roscoe from Western Ghats, South India. International Journal of Pharmaceutical and Phytopharmacological Research. Volume 10(5), 2020. 1-7.
7. **Silvy Mathew**, Dharendra Kumar Tiwari and Dhananjay Tripathi. Interaction of Carbon nanotubes with plant system: A Review. Carbon letters (Scopus). 2020. Volume 31,167-176.ISSN 2233-4998.
8. **Silvy Mathew**. Experimental analysis on Chlorophyll, Amino Acid and Nitrate contents of Apocynaceae and Asclepiadaceae. Plant Archives. 2020. Volume 20(1), 2238-2242. E-ISSN: 2581-6063.
9. **Silvy Mathew**. Scope and relevance of chloroplast genetic engineering and crop improvement. VIRJ for Pure and Applied Science. 2020. Volume 6(1), 28-36.ISSN 2347-3835.
10. Dharendra Kumar Tiwari, Valenzuela, J., Dhananjay Tripathi and **Silvy Mathew**. Fabrication of Carbon Based Nanostructured Materials on Si/SiO₂ Substrate and Their

Growth Mechanism over Different Catalysts. *Nanomedicine & Nanotechnology Open Access*. 2020. Volume 5(1), 1-8. ISSN: 2574-187X.

2019

1. **Smitha P S** and Sona Peter, P. Allelopathic potential of selected weed plants on seed germination of Cow Pea (*Vigna unguiculata*). *Journal of The Gujarat Research Society*. Volume 21(15), 2019. 494-505. ISSN: 0374-8588.
2. **Silvy Mathew** and Teenamol, P. Comparative analysis of heavy metal contamination in some common tubers and vegetables of Kerala. *Indian Journal of Agricultural Research*. Volume 53 (4), (2019). 417-422. ISSN: 0976-058X.
3. **Manju Madhavan** and **Sheeja T Tharakan**. Pharmacognostic and preliminary phytochemical evaluation of *Sarcostemma acidum* stem extracts. *Indian Journal of Applied Research*. Volume 9 (4), (2019). 71-72. ISSN No 2249-555X.
4. **Sheeja T Tharakan** and **Manju Madhavan**. Comparison of antihelmintic activity of spices. *Journal of Emerging Technologies and Innovative Research*. Volume 6 (2), (2019). 696-698. ISSN-2349-5162.

2018

1. **Sheeja, T. Tharakan** and **Manju Madhavan**. Antioxidant and Anthelmintic Activity of *Brassica nigra*. *International Journal of Current Advanced Research*. Volume 7 (2), 2018. 10386-10389. ISSN: 2319-6475.
2. **Sheeja, T. Tharakan** and **Manju Madhavan**. Phenol quantification and antioxidant activity of selected spices. *Global Journal for Research Analysis* Volume 7 (12), 2018. 45-46. ISSN No 2277 – 8160.
3. **Sheeja T. Tharakan** and Sandhya Vincent Neelamkavil. Therapeutic potentials of *Premna latifolia*. *Plant Archives*. Volume 18 (1), 2018. 496-500. ISSN 0972-5210.
4. **Silvy Mathew**. Pharmacognostic, physiochemical and Phytochemical Profile of *Alpinia galanga* (L.) Willd. and *Alpinia calcarata* Roscoe. *International Journal of Scientific Research in Biological Sciences*. Volume 5 (6), 2018. 157-162. E-ISSN: 2347-7520.
5. **Silvy Mathew**. Molecular characterization of *Alpinia* species from Western Ghats. *International Journal of Current Advanced Research*. Volume 7 (2), 2018. 10031-10035. ISSN: 2319-6475.
6. **Manju Madhavan** and **Sheeja T. Tharakan**. Screening of selected medicinal plant extracts for anthelmintic and antioxidant activity. *International Research Journal of Pharmacy*. Volume 9 (10), 2018. 111-114. ISSN 2230 – 8407.

2017

1. **Sheeja T Tharakan** and **Manju Madhavan**. Therapeutic potential of *Piper longum*. *International Journal of Pharmacy and Biological Sciences*. Volume 7 (3), 2017. 123-128. ISSN: 2321-3272.
2. **Manju Madhavan** and **Sheeja T Tharakan**. Study on phytochemicals, total phenols, antioxidant, anthelmintic activity of hot water extracts of *Coriandrum sativum* seeds. Volume 6 (8), 2017. 2519-2527. ISSN 2278 – 4357.
3. **Manju Madhavan** and **Sheeja T Tharakan**. Evaluation of phytochemicals, total phenols, antioxidant and anthelmintic activity of hot water extracts of *Cuminum cyminum* seeds. Volume 8 (11), 2017. 135-139. ISSN 2230 – 8407.

2016

1. **Manju Madhavan**. Pharmacognostic Profiling and Total Phenol Quantification of Leaves of *Spatholobus parviflorus* (Roxb. Ex DC.) Kuntze, A Woody Climber. *International Journal of Pharmacognosy and Phytochemical Research*. Volume 8 (12), 2016. 1969-1974. ISSN: 0975-4873.