

Research Publications

1. **K. Poonkodi, K. Vimala Devi, M. Rubini, R. Priyadharshini, and S. Vinitha.** Evaluation of in vitro anticancer and anti-inflammatory potential of *Mitracarpus villosus* (Sw) DC. *International Journal of Pharmacy*, 2017, 7(2). (Scopus).
2. **K. Poonkodi, K. Vimala Devi, and R. Mini.** Chemical composition and in vitro antimicrobial, anti-MRSA activities of essential oil of *Clerodendrum inerme* (L.) Gaertn grown in the Western Ghats region. *International Journal of ChemTech Research*, 2017, 10(8). (Scopus).
3. **Velliangiri Prabhu, K. Poonkodi, R. Mini, K. Vimala Devi, and M. Karthigai Priya.** GC-MS analysis of bioactive compounds in petroleum ether, chloroform, and methanol extracts of *Ixora coccinea* flowers and in vitro cytotoxic activity of the methanolic extract against DLA and EAC cancer cell lines. *International Journal of Research and Analytical Reviews*, 2018, 5(4): 801–807.
4. **Poonkodi, K., R. Mini, K. Vimala Devi, V. Prabhu, M. Anusuya, M. Karthigai Priya, and K. S. Saranya.** In vitro cytotoxicity potential of ethanol extract of *Syzygium samarangense* (Wt.). *Kongu Research Journal*, 2019, 6(1): 29–31.
5. **R. Mini, K. Vimala Devi.** Phytochemical analysis and in vitro anticancer activity of ethanol extract of *Wrightia tinctoria*. *American International Journal of Research in Science, Technology, Engineering & Mathematics*, 2019, ISSN: 2328-3580, 184–187.
6. **Poonkodi, K., Vimaladevi, K., Suganthi, M., and Gayathri, N.** Essential oil composition and biological activities of *Aegle marmelos* (L.) Correa grown in the Western Ghats region, South India. *Journal of Essential Oil-Bearing Plants*, 2019, 22(4). (SCI, WoS).
7. **V. Prabhu, K. Poonkodi, R. Mini, K. Vimala Devi, K. Pradeep, S. Bhuvaneswari, and M. Anusuya.** Antidandruff activity of *Cassia auriculata* and *Cassia alata* through fatty acid-mediated inhibition of *Malassezia furfur*. *Journal of Applied and Natural Science*, 2020, 12(4): 532–540. (Scopus).
8. **Krishnasamy Vimala Devi, Madhiyan Selladurai, Kathirvel Poonkodi, Velliangiri Prabhu, Raman Mini, and Balasubramaniyam Manojkumar.** Chemical composition of essential oil of *Cananga odorata* (Lam.) Hook. f. & Thomson leaves and its biological activities. *Journal of Essential Oil-Bearing Plants*, 2021, 24(3): 596–602. (SCI, WoS).

9. **R. Mini, V. Prabhu, K. Vimala Devi, J. Sowmiya, and G. Sibi.** GC-MS analysis, phytochemical screening, and biological activity of *Bauhinia tomentosa* (Linn.). *Asian Journal of Chemistry*, 2021, 33(11): 2641–2644. (Scopus).
10. **K. Poonkodi, V. Anitha, R. Chitradevi, M. Suganthi, K. Vimala Devi, V. Prabhu, R. Mini, and M. Anusuya.** Adsorption of crystal violet dye on biomass from *Bauhinia tomentosa* seed pod powder: Equilibrium and kinetic studies. *Indian Journal of Natural Sciences*, 2022, 13(75): 50531–50540. (Scopus).
11. **M. Karthigai Priya, K. Poonkodi, K. Vimala Devi, V. Anitha, R. Chitradevi, E. Jayanthi, and M. Suganthi.** Chemical profile and in vitro biological activities of *Eupatorium adenophorum* Spreng. *Rasayan Journal of Chemistry*, 2022, 15(4): 2366–2372. (Scopus).
12. **Vimala Devi Krishnasamy, Selladurai Madhiyan, Poonkodi Kathirvel, Prabhu Velliangiri, Mini Raman, and Abinaya Anandhan.** Chemical profile and biological activities of essential oil from *Artabotrys hexapetalus* (L.f.) Bhandari grown in the southern parts of the Western Ghats. *Oriental Journal of Chemistry*, 2022, 38(6): 1435–1439. (WoS).
13. **R. Mini, V. Prabhu, K. Poonkodi, K. Vimala Devi, and K. Revathi.** Green synthesis of silver nanoparticles from *Scoparia dulcis* L. plant extract and its in vitro acetylcholinesterase, antioxidant activity. *Rasayan Journal of Chemistry*, 2023, 16(1): 214–222. (Scopus).
14. **R. Mini, V. Prabhu, K. Poonkodi, K. Vimala Devi, M. Anusuya, and M. Vasuki.** Biosynthesis and characterization of ZnO nanoparticles from *Scoparia dulcis* L. plant extract and its in vitro antioxidant, acetylcholinesterase activity. *Plant Science Today*, 2023, 10(2): 90–97. (Scopus).
15. **R. Mini, V. Prabhu, K. Poonkodi, K. Vimala Devi, M. Velayutham Pillai, and P. Rohini.** Chemical profiling of *Scoparia dulcis* (Linn.) plant aqueous extract and its in vitro antioxidant, acetylcholinesterase activity. *Indian Journal of Natural Sciences*, 2023, 14(79): 59146–59151. (Scopus).
16. **Anusuya, M., Nagaveni, A., Jayanthi, E., Leelavathi, H., Yogeswari, B., Poonkodi, K., Vimala Devi, K., Prabhu, V., and Pillai, M. V.** Green-synthesized flattened rice-shaped CuO and metal-doped CuO nanoparticles using *Bauhinia racemosa* Lam. leaf extract and their photocatalytic and biological applications. *Inorganic Chemistry Communications*, 2024, 162, p.112289. (SCI, WoS).