

PUBLICATIONS

1. Sowmiya, D. Rakkimuthu, R. Sathishkumar, P. Anandakumar, A. M. Sinju, S and Vanisree, B (2019). Effect of silver nanoparticles of *Ulva fasciata* in germination of selected pulses. American International Journal of Research in Science, Technology, Engineering & Mathematics. 204-207.
2. R.Rakkimuthu, R. Nithiyakamatchi, P. Sathishkumar, AM. Ananda kumar and D.Sowmiya, 2019. In vitro antifungal activity of formulated floral extracts against *Malassezia furfur*. The International journal of analytical and experimental modal analysis, 11 (9): 1326 - 1335.
3. R Rakkimuthu, R Indu, P Sathishkumar, AM Anandakumar, D Sowmiya, 2019. Effect of herbal spray for coconut copra process, storage and Post-harvest disease management, International Journal of Botany Studies, ISSN: 2455-541X; Impact Factor: RJIF 5.12, Volume 4; Issue 6; November 2019; Page No. 77-81.
4. AM Anandakumar, J Alahupreeti, R Rakkimuthu, P Sathishkumar, D Sowmiya, 2019. Studies on clastogenic activity caused by synthetic red food colour dye on the root tips of *Allium cepa* L. International Journal of Botany Studies ISSN: 2455-541X; Impact Factor: RJIF 5.12 Volume 4; Issue 6; November 2019; Page No. 102-105.
5. Rakkimuthu Ramalingam, Sathishkumar Palanisamy, Ananda Kumar Mohanraj, Sowmiya Durisamy & Nishanthini Rajasekaran, 2020. Chemical Profiling of *Momordica charantia* L. Seed Essential Oil and Its Antimicrobial Activity, Journal of Essential Oil Bearing Plants, 23:2, 390-396, DOI: 10.1080/0972060X.2020.1741451
6. Vinothkumar D., Arunkumar P., Chokkalingam G., Sowmiya D. and Rakkimuthu R. Callus induction, phytochemical studies (in vivo leaves) of *Mukia maderaspatana* (L.) M.ROEM. National conference on Biodiversity and its conservation: Priorities and challenges. 2018. ISBN: 978-93-84234-71-3.
7. D. Sowmiya and P. Ravikumar. Green synthesis and characterization of silver nanoparticles from *Ulva fasciata* Delile. International journal of creative research thoughts (IJCRT). April 2018. Volume 6, Issue 2, pp. 20-27. ISSN: 2320-2882.
8. Sathishkumar, P. Kaviya, D. Rakkimuthu, R. Anandakumar A.M., Sowmiya, D and Sabirafathima, S (2019). Quantitative phytochemical screening of *Filicium decipiens* Wight & Arn. Leaves. American International Journal of Research in Science, Technology, Engineering & Mathematics, 208-212.

9. R. Rakkimuthu, S. Aarthi, E. Neelamathi, P. Sathishkumar, A. M. Anandakumar and D. Sowmiya (2022). Green synthesis of reduced grapheme oxide silver nanocomposite using *Anisomeles malabarica* (L.) R. Br. Leaf extract and its antibacterial activity. *Rasayan Journal of Chemistry*, March 2022, ISSN: 0974-1496, Vol. 15, No. 1, pp. 417-422.
10. D. Sowmiya, H. Rehana Banu, M. Krishnasreya and R. Sangavi (2021). Identification and quantification of phytochemicals in *Hemionitis opposita* (Kaulf.) Christenh, an unexplored fern of valparai hills. *World journal of pharmacy and pharmaceutical sciences*, volume 10, issue 11, pp: 978-988, ISSN 2278-4357.
11. D. Sowmiya, Surya kumar, H. Rehana Banu, N. Santhana Bharathi (2022). Insecticidal potential of certain common ferns on Rugose spiraling whitefly, *Aleurodicus rugiopesculatus* Martin (Hemiptera: Aleyrodidae). *JBiopest* 15(1): 50-58.
12. Rakkimuthu R., Sowmiya D, Ananthi P., Sathishkumar P., Anandakumar A. M (2022). Chemical profiling of fern *Cheilosoria mysurensis* (Wall. Ex Hook.) Ching & Shing and its biological activity. *Plant Science Today*. ISSN 1900-2348.
13. Dr. R. Rakkimuthu, Nishana, Sathish kumar, Anandakumar, Sowmiya, Poonkodi (2022). Green synthesis of silver nanoparticles from *Chaetomorpha antennina* and its antibacterial activity. Volume 13: Issue 75.pg: 50384-50389.
14. D. Sowmiya, R. Divya, R Rakkimuthu, P. Sathish kumar and A. M. Anandakumar (2023). Screening of phytochemicals and antimicrobial activity of Lithophytic fern *Pyrrosia porosa* (C. presl) Hovenkamp. *Indian Journal of Natural sciences* Vol 13/Issue 76. ISSN: 0976-0997.
15. P. Sathish Kumar, G. Chokkalingam, R. Rakkimuthu, A. M. Anandakumar, D. Sowmiya, V. Prabhu (2023). Production of degradable bioplastics from invasive alien plants in Anamalais, the Western Ghats. *Indian Journal of Natural sciences*. Vol 13/ Issue 76. ISSN: 0976-0997.
16. D. Sowmiya, T. Poongodi, S. Karpagam and R. Sowbaraniga, 2023. Eco-friendly dyeing of cotton fabric from aqueous herbal extract and its antibacterial activity. *Indian Journal of Natural Sciences*. Vol.14/Issue 78. ISSN: 0976-0997.
17. D. Sowmiya, K. Vinothkumar, R. Rakkimuthu, P. SathishKumar and A.M. Anandakumar 2024. Qualitative and Quantitative Analysis of the Unexplored fern, *Thelypteris meeboldii* from Southern Western Ghats, Tamil Nadu. *Indian Journal of Natural Sciences*. Vol.15/Issue 83. ISSN: 0976-0997.
18. Dr. Rakkimuthu, Neethu Krishna, P. Sathish Kumar, A.M. Anandakumar and D. Sowmiya, 2024. GC/MS analysis of methanolic extract of *Pancreatium triflorum* Roxb.bulbs. *Indian Journal of Natural Sciences*. Vol.15/Issue 83. ISSN: 0976-0997.