



DEPARTMENT OF BOTANY

➤ Research projects

UGC STRIDE sponsored Minor research project on Screening and Isolation of Pesticide degrading Microorganisms from Agricultural Source- An Invitro Study
Status: **Completed during the year 2022-23**

➤ Publications

1	Banani Misra., Mrs Roopashree M.G., Dr. Arunkumar B Sonappanavar. Biodegradation of Pesticides by Microorganisms Isolated from Agriculture Soil Source: An Invitro. 2023. International Journal of Innovative Science and Research Technology. 8(6) 2289-2301.
2	Shwetha, Basavaraj V, Sampathkumar M R and Mahesh H M. 2023.ASSESSING THE EFFICACY OF MANNITOL FOR MANAGING ROOT-KNOT NEMATODE (MELOIDOGYNE INCOGNITA) INFESTATION IN TOMATO (SOLANUM LYCOPERSICUM L.). Plant archives. 23(2). 88-92
3	Ranjana Singh. Optimisation, Production, Identification and Screening of Alpha Amylase Producing <i>Bacillus</i> Species from Kitchen Soil. 2021.International Journal of Creative Research Thoughts.9(10). 354-387
4	Banani Misra. 2021. <i>In-vitro</i> cytotoxicity and apoptosis induction in human oropharyngeal carcinoma kb cells by purified esterase isozyme extract of <i>Urginea polyphylla</i> hyacinthaceae. Journal of Emerging Technologies and Innovative Research.8(5). 546-558
4	Ranjana Singh. 2021. Extraction and Estimation of Nicotine Present in Different Tobacco products. Journal of Emerging Technologies and Innovative Research. 8(10). 233-249

➤ Chapters in Books

Sl.no.	Title of the chapter and Book
1	Chapter 10: Phytochemical and Pharmacological Profile of <i>Syzygium aromaticum</i> (Clove) Raja Kullayiswamy and Sarojini Devi N Biomolecules and Pharmacology of Medicinal Plants Volume 2 ISBN 978-1-77491-329-1, ISBN e book-9781003334873 2023
2	Chapter 39: Phytochemical and Pharmacological Profile of <i>Guazuma ulmifolia</i> Lam. K. Raja Kullayiswamy and N. Sarojini Devi Biomolecules and Pharmacology of Medicinal Plants Volume 2 ISBN 978-1-77491-329-1, ISBN e book-9781003334873 2023
3	Chapter 52: Bio-actives and Pharmacology of <i>Bombax ceiba</i> L. K. Rajakullayi Swamy and N. Sarojini Devi Biomolecules and Pharmacology of Medicinal Plants Volume 2 ISBN 978-1-77491-329-1, ISBN e book-9781003334873 2023