

Dr. Kareti Srinivasa Rao

M. Pharm., Ph.D., D.Sc.,

Position: Associate Professor

Specialization: Pharmacognosy & Phytochemistry

Department: Department of Pharmacy, IGNTU

Phone: 9010447684

E-mail: ksrao@igntu.ac.in



◆ **Educational Qualifications:**

- D.Sc (2013) from Berhampur University, Berhampur, Orissa
- Ph.D (2008) from Berhampur University, Berhampur, Orissa
- M.Pharm (2000) from Andhra University, Visakhapatnam, A.P
- B.Pharm (1998) from Andhra University, Visakhapatnam, A.P

◆ **Research Area:** Impurity profile studies in drugs & pharmaceuticals, Drug stability studies, novel analytical method development and validation, ethnobotanical study of natural products, isolation and characterization of phyto-constituents from natural products, evaluation of anti-alzheimer's and antimalarial potential of natural products.

◆ **Research Outcomes:** Research Publications – 49, Books -3, Book Chapters – 05, Patents – 01 (German patent), Conference presentations – 10 (International) & 30 (National), M.Pharm thesis guided: 34, Ph.D guidance: 02 (Awarded) & 02 (Pursuing), Total teaching experience: 24 Years

◆ **Grant in Aid received:**

- **From AICTE, New Delhi:** Grant-in-aid under Industry Institute Partnership Cell (IIPC) Scheme (RIFD/IIPC(62)/2010-11)
- **From ICSSR, New Delhi:** Grant in aid received for the research project entitled: “Development of an e-module for conservation, training, and preparation of value added tribal medicinal plants – a sustainable livelihood practices for tribal economy” (02/2/2019-2020/Programme/ICSSR/RP)
- **From MPCOST, Bhopal:** Grant in aid received for organizing a National Seminar on “Indian Tribal Medicinal Plants Research: Challenges & Prospects” on 28-29 April, 2018 (3869/CT/R&D(SSW)/2018)
- **From DBT:** Grant in aid received for organizing a National Seminar on “Indian Tribal Medicinal Plants Research: Challenges & Prospects” on 28-29 April, 2018 (DBT/CTEP/01 /201800085)
- **From DBT:** Grant in aid received for organizing popular lectures by experts in the area of Biotechnology and related fields on 14th June, 2011 (DBT/CTEP/04/ 201100321)

◆ **Selected Publications:**

Kareti, S. R., & Subash, P. (2020). In silico exploration of anti-Alzheimer's compounds present in methanolic extract of *Neolamarckia cadamba* bark using GC–MS/MS. *Arabian Journal of Chemistry*, 13(7), 6246-6255.

Rao, K. S., & Subash, P. (2021). In silico molecular docking analysis for potential anti-Alzheimer's compounds from the methanolic leaf extract of *Erythroxylum monogynum* using Gas chromatography–mass spectrometry. *Journal of Saudi Chemical Society*, 25(8), 101285.

Rao, K. S., Haran, R. H., & Rajpoot, V. S. (2022). Value addition: A novel strategy for quality enhancement of medicinal and aromatic plants. *Journal of Applied Research on Medicinal and Aromatic Plants*, 31, 100415.

Kareti, S. R., & Rajpoot, V. S. (2022). Ethnobotanical survey of folk medicinal plants used in tribal villages of Amarkantak region of Central India. *Plant Biosystems-An International Journal Dealing with all Aspects of Plant Biology*, 156(4), 1019-1038.

Srinivasa Rao, K., & Singh Rajpoot, V. (2024). *Baccharoides anthelmintica* (L.) Moench: A Review on Ethnomedicinal, Phytochemical, Pharmacological and Toxicological Profile. *Chemistry & Biodiversity*, e202400160.