

PROFILE



Name : Dr. Pallavi Atmuri

**Designation : Assistant Professor,
Department of Biochemistry**

Qualification : M.Sc, MBA, Ph.D

Teaching Experience: 6 Years

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Experience Summary:

- Worked as Biochemistry & Environmental Science Lecturer in G.R.R & T.P.R. Degree College, Cumbum, Prakasam (Dt) from June - 2010 to March 2013.
- Currently working as Biochemistry Lecturer in Sri Durga Malleswara Siddhartha Mahila Kalasala, (Affiliation to Krishna University), Vijayawada from December, 2020 onwards.

RESEARCH EXPERIENCE (2014-2020):

Under the Supervision of Dr.P.Brahmaji Rao, Department of Environmental Science, Acharya Nagarjuna University. Conducted analysis of mineral composition of 19 medicinal plants collected in and around Acharya Nagarjuna University out of which *Pergularia daemia* was selected to carry out the systematic phytopharmacological investigations. Which includes solvent extraction followed by preliminary phytochemical screening, quantitative analysis of phytochemical, Pharmacology studies and in detail GC MS analysis for various phyto constituents and their biological importance was reported. This is helpful in modern drug development based on medicinal plants.

Awarded Degree of Doctorate of Philosophy in Environmental Sciences on March 5th 2021 for “ ANALYSIS OF MINERAL COMPOSITION IN MEDICINAL PLANTS AND GC MS STUDY ON PERGULARIA DAEMIA (FORSK) CHIOV FOR PHYTOCHEMICAL CONSTITUENTS”.

LIST OF PUBLICATIONS:

- Isolation and Screening of Lipase producing Bacteria from Municipal Solid Waste (MSW), PallaviA, Brahmaji Rao .P, *World Journal of Pharmaceutical Research*, 7(2), 833-839 (2018).
- A Quantitative study on Phytochemicals and Reduction potential of Methanolic Extract of Flower of Pergularia daemia (Forsk) Chiov, Pallavi A, Brahmaji Rao P, *International Journal of Research and Reviews in Pharmacy and Applied Sciences*, 9(1), 69-75 (2019).
- Determination of Mineral Composition in Some Medicinal Plants and Their Extracts for Use as Herbal Formulation, Pallavi A, Brahmaji Rao P, HariBabu B, VasuBabu Ala and SatyanarayanaRajuP. *International Journal of Current Research and Review*, 63(2s), 4974-4978 (2020).
- In vitro Assessment of Antioxidant potential of Pergularia daemia (Forsk) Chiov Flower, Pallavi A, Brahmaji Rao P, *International Journal of Research and Reviews in Pharmacy and Applied Sciences*, 10(1), 59-68 (2020).
- New Phytocomponents of Biological Importance in Methanolic Extract of Leaves of hair knot plant(P. daemia) in GC-MS analysis, Pallavi A, Brahmaji Rao P, Nagababu P, Hari Babu B, *Oriental Journal of Chemistry*, 36(6), 1-6 (2020).
- Pharmacological Activities of Pergularia daemia Plant Aerial Parts, Pallavi A, Brahmaji Rao P, *Studies in Indian place names*, 40(74), 1978-1989 (2020).
- To Investigate the Effect of Sprouted Fenugreek Seed Consumption to Control Blood Sugar Levels in Newly Diagnosed Diabetic Patients Aged 25-35 years, Kusuma Neela .B, Naga Raju B., Pallavi,A., Harika, A,

Dogorangsang, 8(14),59-64 (2021).

- Hepatoprotective Activity of Methanol Extracts of Aerial Parts of *Pergularia daemia*, Pallavi.A, Harika.A, Ram Prasad.P, Nagaraju.B, *Junikhyat*, 11(1),828-834 (2021).
- Separation and Identification of Phytocomponents in Methanolic Extract of Stem of *Pergularia daemia* by GC-MS analysis, Pallavi A, Brahmaji Rao P, Nagababu P, Hari Babu B, *Chemistry Natural Product* (Under communication) (2021).

Workshops/Seminars/Conferences attended:

- Participated in the National webinar on Epidemiology, prevention and control of Viral hepatitis “on the occasion of “World Hepatitis Day” organised by Commerce College, Department of Zoology and Science Association, held on 28th July, 2021
- Participated in the One week National webinar on “Agri- enterprises for Livelihood Security and Rural Development” organised by Biosciences and Sericulture and centre for consultancy and allied services, Sri Padmavathi Visvavidyalayam(Womens University) from 5th to 10th July, 2021.
- Participated in the One day National webinar on Rainwater Harvesting and Water Conservation Process organised by NSS Cell ,Saint Francis De Sales College,Nagpur on July 13 2021.
- Participated in the One Day National Webinar on “Application of Enzymes in Bioindustry” organized by the Department of Biochemistry, Krishna University Dr.MRAR College of PG Studies, Nuzvid, Krishna District, Andhra Pradesh on 24th July, 2021.
- Completed the online Quiz on Blood Donation conducted by Department of Microbiology with a percentage Score of 67% on 14 June 2021
- Participated in the Online Training Program on Online process orientation program on Child Centric Disaster Risk Reduction on 9 - 11 August 2021 organised by National Disaster management, Ministry of Home Affairs ,Gov. of India in collaboration with Acharya Nagarjuna university, Dept. of Environmental Sciences
- Participated in the National online Quiz on the occasion of World Environmental Day, 5th June 2021 conducted by Eco Ambassadors club of Marris stella college, Vijayawada
- Participated in the One Day International Webinar on “Advances in Cancer Treatment :Focus on Immunotherapy” organized by the Department of Biochemistry, Krishna University Dr.MRAR College of PG Studies, Nuzvid, Krishna District, Andhra Pradesh on 08th September, 2021.

- Participated in Quiz on the occasion of WORLD NATURE CONSERVATION DAY organized by the Departments of Botany & Environmental Science, Sri Durga Malleswara Siddhartha Mahila Kalasala, Vijayawada on 28-07-2021
- Participated in one day National Webinar on Quality of Higher "Education & Role of Research" Internal Quality Assurance Cell (IQAC), Sri Durga Malleswara Siddhartha Mahila Kalasala
- Participated in International National Webinar Drug Discovery and career prospectus in Biological Sciences conducted by Department of Biotechnology, Botany & Microbiology, Andhra Layola College, Vijayawada, AP, India on 10th July 2021.
- Participated in National Webinar on Research updates on Pharmacological Intervention Targeted Against ARDS: Relevance to Covid 19 Pandemic organised by Vignan Institute Of Pharmaceutical Technology, Duvvada, Visakhapatnam on 17th July 2021.
- Participated in the online workshop innovation, ecosystem and incubation conducted on 28-07-2021
- Participated in one day international webinar on "recent advances in materials science and technology (RAMST)" "conducted jointly by departments of physics and chemistry under IQAC on 12th July 2021, to pay special tribute to Prof. J. lakshmana Rao former professor, dept. of physics, Sri Venkateswara University.
- Participated in the webinar titled "designing rational combination therapies to treat chemo resistant breast and ovarian cancers organized by Mizoram University on 6th September, 2021.
- Participated One-Week Online National Faculty Development Program on Teaching-Learning Digital Skills in 21st Century jointly organized by Smt. P. N. Doshi Women's College, Ghatkopar (W), Mumbai and Guru Angad Dev Teaching Learning Centre, SGTB Kalsa College, University of Delhi under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNTT) of Ministry of Education on 26th July to 01st August 2022
- Participated in the Two Day International Workshop on Bioinformatics organized by Department of life sciences, SDMSMK, Vijayawada on 20-21 September 2022
- Participated in the Three day Faculty Development Programme on Advanced Research Methodology organized by Department of Business Administration, P.V.P Siddhartha Institute of Technology in collaboration with ICSSR on 24- 26 November, 2022.
- Participated in the One Day State Level Workshop on Indian (NIRF) Rankings -2023 for Autonomous & NAAC accredited degree colleges, organized by QAC, Andhra Pradesh State Council of Higher Education on 21/11/2022.
- Participated in FIVE DAYS FDP on 'STATISTICAL ANALYSIS USING SPSS AND R PROGRAMME' from 07th NOV 2022 to 11th NOV 2022, organized by the IQAC & DEPARTMENT OF STATISTICS, Sri Durga Malleswara Siddhartha Mahila Kalasala, Vijayawada.

Papers Presentation:

- Participated and Presented a Paper Titled *A study on impact of National Educational Policy-2020 on Higher Education system and its challenges* on UGC sponsored Two Day National Seminar on National Education Policy 2020: Perspectives and challenges on 22 & 23 March, 2022, organized by Department of Education, Acharya Nagarjuna university, Guntur.
- Presented a Paper on *GREEN SYNTHESIS OF SILVER NANOPARTICLES BY STEM EXTRACTS OF PERGULARIA DAEMIA AND INVESTIGATION ANTIBACTERIAL EFFECT AGAINST DIABETIC FOOT ULCERS* in the Three Day National Seminar on “Recent Trends in Drug Discovery, Nano biotechnology and Food Fermentation Technology” conducted by the Departments of Microbiology, Biotechnology and Food technology, Andhra Loyola college on 4-12-2021 to 6-12-2021.
- Presented a paper on *Hepatoprotective activity of methanol extract of aerial parts of pergularadaemia* on UGC sponsored national seminar on advances in chemistry and its allied sciences – 2021 (ACAS-2021) on 17th-18th, march-2021, at the Department of chemistry, Acharya Nagarjuna University, Guntur.

Committee Member:

- Member of IQAC,
- Member of Website Committee
- Member of BOS Biochemistry
- Member of Research Committee
- Member of Innovative and incubation cell.
- Member of Permission committee
- Member of Literary committee

