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Dr. Shantipriya Ajmera did her Post Graduation and Ph.D. in Microbiology from Kakatiya University, Warangal. She joined as Assistant Professor in the Department of Microbiology, Palamuru University, Mahabubnagar, Telangana, India in the year of 2017. At present she is the Head, Department of Microbiology. She has a bright academic record with research experience of working on the coprophilous thermophilic fungi. Her research focus is on thermophilic microorganisms and their biological applications like production of thermotolerant enzymes, biotransformation, anti-malaria and anticancer bioactive compounds, plastic biodegradation by thermophilic bacteria and actinomycetes. Presently four research scholars are doing their Ph.D. under her guidance.

Her research work has been published in National and International journals and presented in several National and International conferences. She is the recipient of the UGC Research fellowship Award-2013, Microbiologist Society India Young Scientist Award-2020, Best Teacher Award- 2024 from International multidisciplinary research foundation (IMRF), Best Oral presentation Award (Theme: Medical Microbiology) from Association of Microbiologists India (AMI) 64th Annual International Conference-2023, Best poster award International e- Conference Association with AMI, Microbiology Department, Osmania University -2020 and honored as an Associate fellow of Telangana Academy of Sciences 2019, life member of many academic bodies like Indian women scientist's association (IWSA), Microbiologist's Society India (MSI), The Association of Microbiologist's India (AMI), Indian Academy of Neurology (IAN), Indian Science Congress Association (ISCA) and Coordinator of Microbiologist's Society India, Palamuru University Telangana- 2021. She has been credited with two books, published more than 35 research and review articles, 15 book chapters and 1 patent. She has organized National & International Conference in the Department and evaluated Ph.D. thesis and she also presented invited talks in various colleges.

She is a Member of Board of studies (B.O.S) for (UG& PG) Dept. of Microbiology Osmania University- 2023 and also BOS member of Microbiology, Dairy Science, Biotechnology & Biochemistry, Palamuru University. She also has experience in administration. She has given her services as Chief Warden Ladies PG hostel, Palamuru University from June 2017 to August 2021 (4 years) and Additional Controller of Examinations (Confidential) from August 2021 to till date, head of the department and she also member of various committees of the University.