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Dr Shanthi Kumari is an Assistant professor at the Department of Microbiology, Osmania University, Hyderabad, India. She holds a PhD in Biotechnology from Koneru Lakshmaiah (K.L) University and a master's degree in Microbiology from Kakatiya University. Her research focuses on the interactions between microorganisms and marine ecosystems, particularly on the therapeutic potential of microbial metabolites for wound healing properties. She has published her findings in esteemed journals and has also participated in various conferences. In addition to her research, she is a dedicated teacher, instructing courses in Microbiology, Industrial Microbiology, and Applied Biotechnology at Osmania University. She has participated in numerous seminars, workshops, and conferences, including the Faculty Training Workshop on Lab to Product: Enabling Universities to Technology Transfer Hubs and the International E-Conference on Contributions of Biological Science for Sustainable Environment. Additionally, she has participated and worked as a Joint Secretary in an international e-conference on advances in microbial biotechnology and biotherapeutics, as well as being a member of the organizing committee in the National seminar UGC DRS-I (SAP) on Frontiers in Microbial Biotechnology and also worked as a Organizing Secretary of National Seminar on post-pandemic scenario Impending Virus Research With expertise in molecular biology, microbial genetics, and marine microbiology, she continues to make valuable contributions to the field of Microbiology through her research, teaching, at Osmania University.