

I am Dr. Sapna Suhas Gaitonde, Assistant professor from Department of Microbiology from Goa College of Arts, science & Commerce, Khandola-Goa. University. I have completed my graduation and post graduation in microbiology from St. Xaviers's College, Mapusa and Goa university respectively. I initially worked on a phytopathogen *R. solanacearum* at Indian Council of agricultural Research Centre (ICAR-CCARI) under the guidance of Dr. R. Ramesh (Principal Scientist, Plant Pathology division) from 2009-2012 as an Senior Research Fellow. And further registered myself for Ph.D under him and successfully completed my doctorate in the year 2015.

My thesis focused on the genetic diversity of the phytopathogen *R. solanacearum* and in understanding its complicated mechanism to kill the host. I have isolated various cultures of microorganisms from different sources according to standard protocols. I have covered multidisciplinary approaches which includes biochemistry, molecular biology techniques i.e. Rep-PCR, BOX PCR, ERIC PCR, RT-PCR, PFGE, gene amplification, Cloning, sequencing, genetics and MLST analysis. My expertise lies in molecular biology, nanotechnology and environmental bio-remediation.

I have been teaching at the College level since 2018 to UG as well as PG students. I have guided a total of 14 students for the UG project work and 1 for PG. During my teaching career I have successfully organized 20 different programs, attended 14 webinars and 18 training programs. I have presented papers through posters and oral presentations during the national and international conferences. I have 9 publications in national and international peer-reviewed journals to my credit.

I have also worked as an coordinator for DISHTAVO for lecture recordings and quadrant preparation.

I have actively participated in the Survey for the Economic Revival Plan 2020 under DHE, Goa and GIPARD, Goa. I have served as an member in the Organizing Committee for India International Science Festival IISF 2021 for maximum Rocket making and launching to create Guinness Book of World Records, IISF 2021. I am also serving as the Nodal Officer for SBSI at my college.