

## BIO DATA

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**Date of entry in to permanent service: 06-06-1994**

Research Guideship: Recognized as Research Guide of M. G. University

- Chairman, Board of studies in Botany, St. Teresa's College (Autonomous), Ernakulam (2014-2015)
- Worked as Controller of Examinations of St. Teresa's College (Autonomous), Ernakulam for 2 years (2015-2017)

### Publications

1. 'Biogenesis of chloroplasts in germinating seeds of *Spathoglottis plicata in vitro*' (with Sasidharan A.), Proceedings of Sixth Kerala Science Congress, Govt. of Kerala, 1994, pp 331-333.
2. 'Impact of sodium chloride stress on the seed germination and vegetative growth of *Phaseolus aureus* Roxb' (with Elizabeth Cheriyan), *Star Research Reach*, 2010, Vol. 2(3), pp 1-9.
3. 'Temporal biochemical sequences of protocorm development of *Spathoglottis plicata* Bl. *in vitro*', *Geobios*, 2011, Vol. 38(4), pp 265-270.
4. 'Bioaccumulation of heavy metals in *Eichhornia Crassipes* (Mart) Solms. growing in selected aquatic ecosystems of Kochi' (with Lini M.), *Science and Society*, 2012, Vol. 10(1), pp 33-36.
5. 'Quantification of Gallic acid in *Petiveria alliacea* L. by high performance thin layer chromatography' (with Sr. Avita), *Indian Journal of Botanical Society*, 2012, Vol. 91(1-3), pp 194-197.
6. 'Phytochemical screening and bioactivity assay of selected South Indian phytolaccaceae' (with Sr. Avita), *Journal of Nature and Life Science*, 2013, Vol. 1(1), pp 26-30.
7. Phenotypic variation and genetic diversity analysis of accessions of peninsular Indian phytolaccaceae, (with Sr. Avita), *Phytomorphology*, 2013, Vol. 63 (3&4), pp85-93. A study on phytoremediation of the heavy metal zinc by the wetland plant *Alternanthera philoxeroides*, (mart.) Gris. (with Cynthia Michelle Dias), *Teresian book of research in chemistry*, 2018, Vol. 1, pp118-124.

### R & D Projects Completed

1. Principal Investigator of the Minor Project, Identification and Conservation of Indigenous Plants for Pollution Abatement, Funded by Ministry of Environment, Govt. of India and Centre for Environment and Development (CED), Thiruvananthapuram. (Completed in 2008).
2. Principal Investigator of the Minor Project, Heavy Metal Phytoremediation of Industrially Polluted Aquatic Ecosystems of Kochi City Using Wetland Plants: an Eco sustainable Approach", Funded by UGC. (2011-13, Completed).
3. Principal Investigator of the National Environment awareness campaign 2014 Funded by Ministry of Environment, Govt. of India and Centre for Environment and Development (CED), Thiruvananthapuram. (Completed in 2014).