

BIODATA- LIZA JACOB

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Assistant Professor

Department of Botany

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Teaching Experience- 14 years

Qualifications- M.Sc. Ph.D, NET

Area of Specialisation: Environmental Science

Publications

1. Growth kinetics of *Eremosphaera*, a fresh water alga (with Dr. Merlee Teresa M.V. and Dr. Beena.B.Nair) , *Geobios*, 1998, Vol.25,pp 166-169.
2. Observations on the growth and physiology of *Chlorella* of fresh water ponds (with Dr. Merlee Teresa M.V.and Dr. Beena.B.Nair), *Geobios*, 1998, Vol.25,pp 232-234.
3. Seed coat and strophilar structure in *Polygala* L. in relation to taxonomy (with Merlee Teresa M.V.), *Geobios*, 1999, Vol.18,pp 43-47.
4. Impact of IR and UV radiations on the productivity of *Pandorina* (with Dr. Merlee Teresa M.V. and Beena.B.Nair), *Geobios* ,2000, Vol.27,pp 39-41.
5. Effectiveness of Mangrove soil microflora in degradation of plastics: A case study, *Proceedings of 1st Kerala Women's Science Congress*, 2010.
6. A study on *Jatropha curcas*, L.- The bio-diesel plant (with Dr. Sr. Avita, Dr. Merlee Teresa M.V. and Bhavana K.B.), *Journal of Nature and Life Science*, 2013.
7. Study On The Physicochemical Properties Of Soil And Phytosociological Aspects Of Plants In An Industrial Hub Of Kerala. 22271-22277 , 7, 11., *International Journal of Current Research*, 2015
8. Allelopathic Impact of Certain Weeds on *Oryza sativa* L. 1055-1062. *International Journal of Informative & Futuristic Research (IJIFR)*.,2015
9. Analysis Of The Soil Properties Of An Industrial Area In Kerala. 139-140, 4, 12, *International Journal Of Scientific & Technology Research*.,2015.
10. Phytoremediation Of Water bodies Using Selected Aquatic Macrophytes *Eichhornia crassipes* (MART.) Solms and *Pistia stratiotes*, L. *Asian Journal of Science and Technology*, 2016
11. Impact of Distillery Effluent on the Growth and Development Of *Oryza sativa* L. 7326-7329, 6, 04, *International Journal of Development Research*, 2016

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12. Allelopathic impact of selected weeds on the growth and development of *Oryza sativa* Linn.10-24, 3,6, International research journal of natural and applied sciences, 2016.

Research experience

Ph. D.: Impact of heavy metal pollutants on the Germination, Histomorphology, Productivity and Histochemistry of certain plants of Solanaceae (Mahatma Gandhi University,1997)

R &D Projects completed

1. Co Investigator of the Minor Project, An Investigation on Diversity of flowering plants in Ambalamedu:An Industrial belt of Kerala. (Funded by UGC.)
2. Co 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.)
3. Principal Investigator of the Minor Project Study on the Agroecological and Phytosociological aspects of *Eloor*- an Industrial belt of Kerala (Funded by UGC.)