

## Detailed CV



Name : Dr. Tharavathy N.C.

Educational Qualification : M.Sc., M.Phil., Ph.D.

Designation : Professor

Address for Correspondence: Department of Biosciences

Mangalore University

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Research Areas : Wastewater treatment, Biodiversity, Aquatic ecology.

Professional Teaching Experience : 23 years

Research Guidance (M.Phil. /Ph.D.):

Completed students' list (with hyperlinks to their CV if available)

1. Dr. Shini Krishnan : Title -Studies on the water quality of Mangalore and Kasaragod Coasts and its impact on Ecology of selected Molluscan species

### Ongoing Registered Students' list

1. VidyaPadmakumar : Title - Studies on diversity of algae in selected lakes and effect of Citalopram on selected algal species
2. Gatha R.S. : Title - A study on physico-chemical characteristics with special reference to eutrophication in selected lakes along the Western Ghats of Karnataka and Kerala
3. Ramya Bhat : Title - Studies on diversity, molecular characterization and culture techniques of seaweeds of Dakshina Kannada district

4. Safiulla : Title - An integrated watershed management of Amu river basin in Afghanistan by using Remote Sensing and Geographic Information System (GIS)

#### Research Journal Publications (list)

##### International

1. Tharavathy N.C. and Hosetti B.B. 1998. Experimental laboratory oxidation ponds for assessing lead toxicity on microorganisms, *International Journal of Environmental Education and Information*, 17 (4), 353-356, ISSN: 0144-9281.
2. Tharavathy N.C. Hosetti B.B. and Krishnamoorthy M. 2003. Laboratory model waste stabilization ponds for assessing copper toxicity to algae and protozoa, *International Journal of Mendel*, 20 (1-2), 51-52, ISSN: 0970-9649.
3. Tharavathy N.C. and Krishnamoorthy M. 2007, Impact of malathion on oxidation pond performance, *Ecology, Environment and Conservation*, 13(4), 745-750, ISSN: 0971-765X.
4. Sowmyashree S., Tharavathy N.C., Reema O. L. and Nannu S. 2013. Seasonal changes in the biochemical composition of freshwater bivalves, *Parreysia spp.* from Tungabhadra river, Karnataka, *International Journal of Pharma Science and Research*, 4(5),94-99, ISSN: 0975-9492.
5. Sowmyashree S., Tharavathy N.C., Reema O. L. and Nannu S. 2013. Seasonal variation in the physico-chemical characteristics along the upstream of Tungabhadra river, Western Ghats, India, *International Journal of Plant, Animal and Environmental Science*, 3(1), 242-246, ISSN: 2231-4490.
6. Tharavathy N.C. and Krishnamoorthy M. 2013. Impact of monocrotophos on the physico-chemical and biological parameters of oxidation ponds, *The Online International Interdisciplinary Research Journal*, 3(6), 224-229, ISSN: 2249-9598.
7. Tharavathy N.C., Krishnamoorthy M. 2014. Impact of iron on the biodiversity of algae and protozoa in oxidation ponds, *International Journal of Pharma Medicine and Biological Science*, 3(1), 77-84, ISSN: 2278-5221.
8. Tharavathy N.C. and Hosetti B.B. 2014. Impact of cadmium on the biodiversity of algae, protozoa, bacteria and fungigrown in oxidation ponds, *International*

*Journal of Pharma Medicine and Biological Science*, 3(4), 58-63, ISSN: 2278-5221.

9. Tharavathy N.C., 2016. A Study on Soil Characteristics in Urban and Rural areas of Mangalore, Karnataka, *International Journal of Research in Environmental Science*, 2 (2), 5-8, ISSN: 2454-9444.
10. Tharavathy N.C., 2016. Ecological Study of Shambavi Estuary, Karnataka, *The Online International Interdisciplinary Research Journal*, VI, 35-40, ISSN: 2249-9598.
11. Sister Daina M.F., Sandhya and Tharavathy N.C., 2016. Studies on the occurrence of hydrophytes in relation to water parameters in fresh water ecosystems in Dakshina Kannada, *International Journal of Modern Science and Engineering Technology*, 3(4), 19-22, ISSN 2349-3755.
12. Shini Krishnan and Tharavathy N.C., 2016. Biochemical composition of *Donax* Spp. of Kushalnagar beach, West Coast, Kerala, *International Journal of Scientific Research*, 5(6), 357-359, ISSN: 2277-8179.
13. Tharavathy N.C. and Attiyallham, M.H. 2018. Isolation, screening and identification of cellulose producing bacteria from rotten fruits, *Ecology, Environment and Conservation*, 24(4), 1847-1850, ISSN: 0971-765X.

#### National

1. Tharavathy N.C. and Hosetti B.B. 2003. Biodiversity of algae and protozoa in natural waste stabilization pond. *Journal of Environmental Biology*, 24(2), 193-199, ISSN: 0254-8704 (IF 0.697).
2. Tharavathy N.C. and Krishnamoorthy M. 2004. Experimental laboratory oxidation ponds for assessing chromium toxicity on algae and protozoa, *Proceedings of Annual Conference*, National Environmental Science Academy, New Delhi, 97-101.
3. Tharavathy N.C. 2010. A study on solid waste quality in Mangalore city, Dakshina Kannada District, India, *Pollution Research*, 29(2), 67-70, ISSN: 0257-8050.
4. Tharavathy N.C. 2010. A study on ground water quality in Mangalore city, India. *Asian Journal of Environmental Science*, 4(2), 142-145, ISSN: 0973-4759.

5. Tharavathy N.C. 2010. Hospital Waste Management in Mangalore city, *Proceedings of 6<sup>th</sup> Kannada VijnanaSammelana*, Karnataka Science Congress, 30-32.
6. Tharavathy N.C. and Krishnamoorthy M., 2013. Impact of manganese on the biodiversity of algae and protozoa grown in oxidation ponds, *Indian Journal of Scholarly Research*, 2(11), 5-7, ISSN: 2278-8271.
7. Tharavathy N.C. 2014. Water quality management in Shrimp culture, *ActaBiologicaIndica*, 3(1), 536-540,ISSN: 2319-1244.
8. Tharavathy N.C., Krishnamoorthy M., Hosetti B.B. 2014. Oxidation Pond: A tool for wastewater treatment, *Research and Reviews: Journal of Ecology and Environmental Science*, 2(1), 1-4, ISSN: 2347-7822.
9. Shini Krishnan and Tharavathy N.C., 2016. Seasonal variation in the physico-chemical properties of the coastal waters at Kushalnagar beach, Kasaragod, Kerala, *Indian Journal of Applied Research*, 6(7), 585-588, ISSN: 2249-555X.
10. Tharavathy N.C., 2018. Production and optimization of cellulase enzyme using cheap substrates by *Aspergillus niger* isolated from soil, *Asian Journal of Bio science*, 13(1), 16-20, ISSN: 0973-4899.
11. Tharavathy N.C. and Aishwarya, 2019. Evaluation of physico-chemical properties and plant growth studies of vermicompost produced by Earthworms from some Terrestrial and aquatic plant leaves, *Asian Journal of Microbiology, Biotechnology and Environmental Sciences*, 4, 973-979, ISSN: 0972-3005.
12. Tharavathy N.C., SravyaRaveendran K.K. and Shobith, 2019. Impact of copper and lead on the water quality and growth of *Lemnaminor* L. in macrophyte ponds, *Pollution Research*, 38, 218-222, ISSN: 0257-8050.
13. Vidya Padmakumar and N.C. Tharavathy, 2019. A checklist of microalgae in the freshwater lakes of southern Bangalore (Kar.) and Hosur (T.N.) border, India, *The Bioscan*, 14(4): 261-263, ISSN: 0973-7049.
14. Vidya Padmakumar and N.C. Tharavathy, 2020. First identification of the chlorophyte algae *Pseudokirchneriella subcapitata* (Korshikov) Hindak in lake waters of India, *Nature Environment and Pollution Technology*, 19(1), 409-412. ISSN: 0972-6268.

1. Mohan B.S., Tharavathy N.C. and Hosetti B.B. 1998. Use of Aquatic Plants as biological filters for Wastewater Treatment: An Overview, *Environmental Impact Assessment and Management* (Ed: B.B. Hosetti and A. Kumar), Daya Publishing House, Delhi, 291-305, ISBN: 81-7035-182-0.
2. Tharavathy N.C and Krishnamoorthy M. 2013. *Metals and pesticides impact on algae and protozoa*, LAP LAMBERT Academic Publishing, Germany, ISBN: 978-3-659-41234-9.
3. NahidedBojnourdi, Suresha M. and Tharavathy N.C. 2015. Basic Facilities of Tourism Industry on Economic Growth of India (Since 2001-2013), *Community Empowerment in Changing World – Issues & Challenges*, BookRix GmbH & Co. KG, Germany, 349-353, ISBN: 978-3-7368-2021-0.
4. Vidya Padmakumar and Tharavathy N.C. 2019. Effect of antidepressant citalopram on the growth rate of the chlorophyte *Pseudokirchneriella subcapitata*, *Recent Trends in Agriculture, Veterinary & Life Sciences* (Ed: Ratnakar D.B. and P.B. Reddy), 81-85, ISBN: 978-93-86435-19-4.

#### Papers/ poster presentations in Conferences / Seminars / Symposia (list)

##### International

1. Tharavathy N.C., Experimental laboratory oxidation ponds for assessing chromium toxicity on algae and protozoa, International workshop on 'Recent Trends in Environmental Science', National Environmental Science Academy, New Delhi, Apr. 24-26, 2004.
2. Tharavathy N.C., A study of ground water quality of Konaje, Mangalore (D.K.), International conference on 'Future Challenges to Environmental Scientists on Issues of Energy, Water and Human health', National Environmental Science Academy, New Delhi, Aug. 23-25, 2007.
3. Tharavathy N.C., A study on Solid Waste Quality in Mangalore (D.K.), International Conference on 'Bioremediation and Environmental Management & Polar Science and Technology', Presidency College, Bangalore, Dec. 28-29, 2011.
4. Tharavathy N.C., Water Quality Management in Shrimp Culture, International Conference on 'Biodiversity, Bioremediation and Biotechnology', Dept. of Botany, Karnatak University, Dharwad, Jan. 30-31, 2014.

5. Tharavathy N.C., Basic Facilities of Tourism Industry on Economic Growth of India (Since 2001-2013), International Conference on “Community Empowerment in Changing World: Issues & Challenges, University of Mysore, Mysore, Feb. 27-28, 2015.

#### National

1. Tharavathy N.C., Experimental laboratory oxidation ponds for assessing copper toxicity on algae and protozoa, National Seminar on ‘Zoology for 21<sup>st</sup> Century’, Goa University, Dec. 7-9, 2000.
2. Tharavathy N.C., Experimental laboratory stabilization ponds for assessing cadmium toxicity to algae and protozoa, National Symposium on ‘Problems and Prospects of Environment in the New Millennium’, Dept. of Biosciences, Mangalore University, Dec. 14-16, 2000.
3. Tharavathy N.C., Impact of monocrotophos (Luphos) on the biodiversity of algae and protozoa, National Conference on ‘Urban Environment – Present Scenario and Future Strategies’, Dept. of Environmental Science, Bangalore University, Dec. 27-29, 2008.
4. Tharavathy N.C., Role of Women in Environmental Conservation, National conference on ‘Women and Development, Centre for Women and Studies’, Mangalore University, Mar. 21-22, 2012.
5. Tharavathy N.C., Impact of Developmental Activities on Social Environment, National Seminar on ‘Impact of Developmental Activities on Indigenous Environment’, Dept. of Sociology, Mar. 30-31, 2012.
6. Tharavathy N.C., Impact of Iron on the Biodiversity of Algae and Protozoa, National Seminar on ‘Coastal Environments and their Management’, Dept. of Marine Geology, Mangalore University, Jan. 22-23, 2013.
7. Tharavathy N.C., Oxidation Pond – A Tool for Wastewater Treatment, National Symposium on ‘Innovations in Science and Technology for Inclusive Development’, Dept. of Studies in Zoology, University of Mysore, Mysore, Jan. 3-4, 2014.

8. Tharavathy N.C., Effect of Scientific Developments on Social Environment, National Conference on 'Social Exclusions and Inclusive Growth: Challenges and Strategies', Dept. of Social Work, Mangalore University, Feb. 6-7, 2014.
9. Tharavathy N.C., Studies on the occurrence of hydrophytes in relation to water parameters in fresh water ecosystems in Dakshina Kannada, National conference on 'Reaching the unreached through Science and Technology', Mangalore University, Mangalore in association with the Indian Science Congress Association, Bangalore Chapter, Dec. 8-9, 2017.

### Regional

1. Tharavathy N.C., Hospital Waste Management in Mangalore City, 6<sup>th</sup> Kannada VijnanaSammelana, Karnataka Science Congress, Veterinary College, Hebbala, Bangalore, Sept. 15-17, 2010.
2. Tharavathy N.C., Impact of Manganese on the Biodiversity of Algae and Protozoa, 6<sup>th</sup> Annual KSTA Conference - 2013, Christ (Deemed to be) University, Bangalore, Dec. 20-21, 2013.

Impact of publications in terms of (Non-science faculty can leave out this item, if unable to fill up).

h-index : 4

i10 index : 3

Citation index : 62

Conferences / Seminars / Workshops / Symposia organized(if applicable)

Awards / Fellowship / Recognition (Specify)(if applicable)

Best Women Scientist Award - 2010 from Karnataka Science Congress

Membership of Professional Bodies

1. Life Member of National Environmental Science Academy (NESA), New Delhi
2. Editorial Board Member of *Asian Journal of Environmental Science*

Any other Information

1. Coordinator for M.Sc. Environmental Science Programme, Mangalore University.
2. Nodal Officer, World Environment Day, Mangalore University.
3. Chairman of BOS and BOE of Environmental Science, Mangalore University.