

Dr. A. Sankaranarayanan

Asst. Professor

CGBIBT

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Education

Ph.D., (Environmental Sciences) Manonmaniam Sundaranar University, Tirunelveli.	2000
Master in Science (Microbiology) Manonmaniam Sundaranar University, Tirunelveli.	1994
Bachelor in Science (Zoology) Madurai Kamaraj University, Madurai	1992

Specialization

Microbiology

Professional/Teaching Experience

Assistant Professor & Head, K.S. Rangasamy College of Arts & Science, Tiruchengode, Tamil Nadu.	May, 2002 – July, 2015
Asst. Professor C.G. Bhakta Institute of Biotechnology	August 2015 – Till date (5 months)

Research Interest

Antimicrobial activity, Dielectrophoresis

Research Experience

3 years and 9 months research and working experience in a DBT (Govt. of India) funded project as a JRF / SRF (Mar' 96 – Nov'99).

2 years research and working experience in a ICAR-NATP (Govt. of India) funded project as a SRF. (Apr, 2000 – May 2002).

Creditable position

➤ **As a co-ordinator in any events**

Organizing secretary, ICMR sponsored National seminar on, “ Textile dye effluents and its health impacts – A Bioremedial approach” held on 15-16th Feb, 2012.

Honorary advisor – Namakkal District chapter of Tamil Nadu Science Forum, Aug, 2006 -08.

Chairman, Board of Studies (BOS) of K.S. Rangasamy College of Arts & Science, Tamil Nadu. (2009 – 2015).

➤ **As a referee in indexed/peer-reviewed journal**

Pharmaceutical Biology (Impact factor 1.24)

African Journal of Agricultural Research (Impact factor 0.3)

International Journal of pharma and Biosciences

➤ **As a Guiding Teacher/Teacher In-charge**

Dissertation/M.Phil/PhD	Year/Semester	No of student
Masters level	2002 - 2015	72
M.Phil. level	2005 – 2015	22
Ph.D. level	2006 to till date	1 ; 2 waiting for award

Presentations

Invited Speaker

▶ Delivered a guest lecture on, “ **Freshwater fish diversity in Western Ghats of south India**” organized by **Adhiyaman college of Engineering, Hosur**, DST-INSPIRE sponsored programme on 11th November, 2011.

▶ Delivered a guest lecture on, “ **Leaf litter degradation by microbes and its impact on freshwater fish diversity**” and “**Microbes and environment**”in a refresher course organized **UGC Academic staff college of Bharathiyar University, Coimbatore** organized by Bharathiyar University, Coimbatore,UGC, New Delhi sponsored programme on 2nd December, 2013.

Others:

Name is include in **DST-Mentors/Resource persons for summer/winter camps and other INSPIRE initiatives** (http://www.dst.gov.in/scientific-programme/inspire/guideliness/list_of_mentors.pdf)

Received the “Summer Fellowship” sponsored by Indian Academy of Sciences, Bangalore and (April –May’05) done my project on “***In vitro* study on the effect of isolated fractions of Garlic on Neutrophil free radical generation**” under Dr. Madhu Dikshit, Head, Cardiovascular Pharmacology Unit, Central Drug Research Institute(CDRI), Lucknow, India.

Undergone “Summer Fellowship” sponsored by Indian Academy of Sciences, Bangalore and (April –May’06) done my project on, “**Antibacterial activity of Coelomic fluid from earthworm**” under Prof. K.N. Ganeshiah, Principal Scientist, Dept. of Genetics & Plant Breeding, University of Agricultural Sciences, Bangalore.

Undergone “Summer Fellowship” sponsored by Indian Academy of Sciences, Bangalore, at Molecular Microbiology lab, Hyderabad Central University, Hyderabad (April – May’07) on “**Studies on Organophosphorous pesticide degrading gene in *Brevundimonas diminuta***”

Professional/Research Training

Research Training:

1. Germplasm inventory evaluation and Gene Banking of Freshwater fishes 12-13th Oct’98. Central Marine Fisheries Research Institute, Cochin
2. Life history traits as a tool for Conservation and Management of Fish Populations – 27-28, Feb.2001, Central Marine Fisheries Research Institute, Cochin.
3. Taxonomy of Western Ghats Fish Fauna-1-5th March 2001, Kerala Forest Research Institute, Kerala.
4. Identification, preservation and documentation of Zoological specimens – 12-15th March, 2001, Zoological Survey of India – SRS – Chennai.
5. Captive Breeding of Prioritised cultivable & Ornamental fishes for commercial utilization & conservation, 29-30 July’01, National Bureau of Fish Genetic Resources, Lucknow.
6. Age & Growth in Indian Freshwater fishes. 31st July’01, National Bureau of Fish Genetic Resources, Lucknow.
7. Physical Habitat Inventory Training-5-8th December, 2001, Assam University, Silchar, Assam.
8. Computer application on fisheries - 29th Jan.-4th Feb’02, Central Institute of Fisheries Education, Mumbai.

UKA TARSADIA UNIVERSITY, Maliba campus, Gopal Vidyanagar,

Bardoli-Mahuva Road, Tarsadi - 394 350, Dist. Mahuva, GUJARATA (India)

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Professional Training:

1. Instructional Design & Delivery systems – 20-22nd June'02, K.S.R. College of Arts & Science, Tiruchengode.
2. Career Guidance & Counselling – 20-22nd Oct'03, K.S. R. College of Arts & Science, Tiruchengode.
3. National workshop for young Biology teacher – 10-14th Jan'12, Indian Institute of Science Education & Research, Pune.
4. Modern approaches in Bioinformatics – 5-17th May, 2014, Manipal University, Manipal, Karnataka state.

Publications

RESEARCH PAPER/S

1. **Sankaranarayanan, A.**, Lal, P.S., and Raja, M. 2016. Impact of different frequencies in the entrapment of bacterial pathogens from drinking water using Dielectrophoretic phenomena. *Journal of water chemistry and technology* (In press) (Impact factor 0.6)
2. Mohammed Musthafa, Alwarappan **Sankaranarayanan**, Karupiah Ponmurugan and Suresh SS Raja 2015. Bioactive peptides from *Loligo duvauceli* (Indian marine squid) orbigny against multi drug resistant clinical pathogens. *South Indian Journal of Biological Sciences* 2015 (1) 24-29.
3. Jayanthi, C., **Sankaranarayanan, A.**, S. Balasubramanian and B. Puvarajan 2015. Polymerase Chain reaction based detection of *Aspergillus fumigates* in layer chicken. *Indian Vet. J.*, 92 (11) 11-13. (Impact factor 0.5). .
4. **Sankaranarayanan, A.**, and M. Gowthami 2015. Cyanide degradation by consortium of bacterial species isolated from Sago industry effluent. *J. Environ. Treat. Tech.*, 3 (1) 41-46.
5. Veerapagu, M., **A. Sankaranarayanan**, K. Ponmurugan and K.R. Jeya 2013. Screening, selection, identification, production and optimization of Bacterial Lipase from oil spilled soil. *Asian J Pharm Clin Res.*, 6(3): 62-67.
6. K. Ponmurugan, **A. Sankaranarayanan** and Naif Abdullah Al-Dhabi 2012. Biological Activities of Plant Growth Promoting Azotobacter sp. Isolated from Vegetable Crops of Rhizosphere Soils. *Journal of Pure and Applied Microbiology* 6(4) 1689-1698. (Impact factor 0.6)
7. **Sankaranarayanan, A.**, Suresh SS Raja, Sarath Chandran Kandekar, Nataraja Seenivasan, K., Ponmurugan, K. A. Maripandi and Qaher Mandeel



2011. Antibacterial activity of selected medicinal plants against multiple antibiotic resistant Uropathogens. *Beneficial microbes* 2(3): 235-243 (Impact factor 1.474)

8. **Sankaranarayanan, A**, Narender T, Kumar S, and Dikshit M 2007. *Allium sativum* constituents: Effect on free radical generation from rat neutrophils. *Cell Mol Biol.* 30; 53(5) 63-67. (Impact factor 1.5)

9. M. Arunachalam, J.A. Johnson & **A. Sankaranarayanan** 1997. Fish diversity in rivers of Northern Karnataka. *Int.J. Ecol.Envir.Sci.*, 23: 327-33.

10. **Sankaranarayanan, A**, G. Munivelraja and G. Karunakaran. 2016. Green synthesis of silver nanoparticle using ground nut extract for antibacterial and clinical application. *Bull. Mater. Sci.*, (communicated)

11. Arunachalam, M., A. Manimekalan, J. A. Johnson, R. Soranam, **A. Sankaranarayanan** and P. Sivakumar 2014. Range of extension of cat fish *Batasio travancoria* Hora & Law to river Thunga in Karnataka part of western Ghats. *J. Curr. Sciences.* 14: 22- 26.

12. Arunachalam, M., J. A. Johnson, A. Manimekalan, **A. Sankaranarayanan**, R. Soranam, P. Sivakumar and P.V. Kalavathi 2007. Extension range of *Salmostoma sardinella* (Osteichthyes: Cyprinide) to streams of Tamil Nadu, Kerala and Karnataka part of Western Ghats. *J. Bombay Nat. Hist. Soc.* 100(2) : 337-341.

13. Arunachalam, M., J. A. Johnson, A. Manimekalan, **A. Sankaranarayanan**, R. Soranam, P. Sivakumar and M. Muralidharan 2003. New record of *Salmostoma bacaila* (Osteichthyes: Cyprinide) from a Western Ghats river. *Indian J. Environ & Ecoplan* 7(2) 439-440.

14. Arunachalam, M. and **A. Sankaranarayanan** 2002. Fish fauna of Kolli hills, Eastern Ghats of Tamil Nadu. *Indian J. Environ & Ecoplan.* 6(3):619-620.

15. Arunachalam, M., **A. Sankaranarayanan**, A. Manimekalan, R. Soranam and J.A. Johnson 2002. Fish fauna of some streams and rivers in the Western Ghats of Maharashtra. *J. Bombay nat. Hist. Soc.* 99(2) : 337-341.

16. Arunachalam, M., **A. Sankaranarayanan**, C. Vijayakumar, A. Manimekalan, R. Soranam and J.A. Johnson, A. Albin and P.N. Shanthi 2001. Fishes of Ramanadhi river in Kalakkad Mundanthurai Tiger Reserve. *J. Bombay nat. Hist. Soc.* 98(1) : 128-130.

17. Arunachalam, M., **A. Sankaranarayanan**, A. Manimekalan & R. Soranam 2000. New records of fishes from streams/rivers in Western Ghats of Maharashtra. *J. Bombay nat. Hist. Soc.* 97 (2): 292-295.

18. Arunachalam, M., **A. Sankaranarayanan**, J.A. Johnson, A. Manimekalan, R. Soranam, P.N. Shanthi & C. Vijayakumar 2000. Fishes of Nambiyar river, Kalakkad Mundanthurai Tiger Reserve, Western Ghats of Tamil Nadu. *J. Bombay nat. Hist. Soc.* 97 (1): 153-155.





19. Arunachalam, M., & **A. Sankaranarayanan** 1999. Fishes of Gadana river in Kalakkad Mundanthurai Tiger Reserve. *J. Bombay nat. Hist. Soc.* 96 (2) 232-238.

20. Arunachalam, M., & **A. Sankaranarayanan** 1999. New records of fishes from Gadana river, south Tamil Nadu, India. *J. Bombay nat. Hist. Soc.* 96 (2) 336-337.

21. Arunachalam, M., **A. Sankaranarayanan**, R. Soranam, A. Manimekalan and J.A. Johnson 1999. New record of *Stigmatogobius oligactis* (pisces: Gobidae) from India. *J. Bombay nat. Hist. Soc.* 96 (1):167- 168.

22. Aunachalam, M., **A.Sankaranarayanan**, R.Soranam, J.A. Johnson and A. Manimekalan 1999. New record of *Salmostoma sardinella* (Pisces: Cyprinidae) from Mondai stream, Maharashtra. *J. Bombay Nat. Hist. Soc.*, 96 (1) 162-163.

Date: 13.01.2016

Place: CGBIBT, UTU