



Dr. E. KANNAPIRAN
PROFESSOR

Contact

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Academic Qualifications: M.Sc., M.Phil., Ph.D.

Course	Subject	University	Year of Completion	Class
Ph.D	Marine Biology and Oceanography	Annamalai University	1998	By thesis
M. Phil.	Marine Biology and Oceanography	Annamalai University	1994	First
M. Sc.	Marine Biology and Oceanography	Annamalai University	1992	First
B. Sc.	Zoology	Madurai Kamaraj University	1990	First

Teaching Experience: 18 Years

Research Experience: 20 Years

Additional Responsibilities

1. Co-ordinator, Personal Contact Programme for M.Sc., Zoology (Distance Education), Alagappa University, Karaikudi, from 28th October 2013 onwards.
2. Co-ordinator, Centre on Swachh Bharath and Swasth Bharath, Alagappa University, Karaikudi, from 26th November 2014 to August 2016.
3. Principal i/c, Alagappa University College of Arts and Science, Paramakudi from 13th to 20th July 2015.

Areas of Research

Marine Biology: Marine Microbiology, Coral Reef and Marine Fouling

Research Supervision / Guidance

Program of Study		Completed	Ongoing
Research	Ph.D.	5	5
	M.Phil.	13	-
Project	PG	40	2

Publications

International		National		Others
Journals	Conferences	Journals	Conferences	Books / Chapters / Monographs / Manuals
29	5	5	3	4

Cumulative Impact Factor (as per JCR) : 28.5
h-index : 7
i10 index : 5
Total Citations : 163

Funded Research Projects

Completed Projects

S. No	Agency	Period		Project Title	Budget (Rs. In lakhs)
		From	To		
1	DBT	2006	2009	Evaluation of Bacterial Diversity Associated with the Coral <i>Acropora digitifera</i> by 16s rRNA Gene Sequences and Screening for Antiviral Activity Against the Aquaculture Pathogen Blotched Snake Head Virus (As CO-investigator) In collaboration with DBT, Alagappa University	Rs. 34 Lakhs
2	MOE&F	2009	2012	Microbial pathogens of Corals and the Events of Biotic and Abiotic Transformation in the Process of Pathogenesis	Rs. 47 Lakhs

Events organized in leading roles

Number of Seminars / Conferences / Workshops / Events organized: 9

Events Participated

Conferences / Seminars / Workshops: 20

Other Training Programs: 8

Overseas Exposure / Visits

1. United States of America
2. Japan
3. Singapore
4. Thailand
5. United Arab Emirates

Membership in

Professional Bodies

1. Life Member, Aquatic Biodiversity Conservation Society, Lucknow, India. 2007.
2. Life Member, Indian Science Congresses, Calcutta 2009.

Academic Bodies (such as Board of Studies etc.)

1. Member, Board Studies in Biotechnology for Post Graduate programme, Thiruvallurvar University, Vellore, India 2006
2. Member, Board Studies in Biotechnology for Under Graduate programme, Thiruvallurvar University, Vellore, India. 2006
3. Member, Board of Studies in Marine Microbial Technology, Post Graduate Programme, Alagappa University, Karaikudi. 2008.
4. Member Board Studies in Zoology (M.Sc.) DDE, Alagapa University – 2009.
5. Chairman, Board Studies for Zoology Programme (B.Sc., & M.Sc., Distance Mode), Alagappa University, December, 2015.

Others

1. Member in Seaweed Research and Utilization Association, India 2005.
2. Member, Network on Barcoding of Marine life, Initiated by Indian Ocean Census of Marine Life and Centre of Advanced Study in Marine Biology, Annamali University, Parangipettai 2007.

Resource persons in various capacities

Number of Invited / Special Lectures delivered: **18**

Others

1. Articles published in Newspapers / Magazines : **12**

Recent Publications

1. Ravindran J, G. Geetha Priya and **E. Kannapiran**, 2011. Effect of Concentrating and Exposing the Bioluminescent Bacteria to the Non Luminescent allo – Bacterial Extracellular Products on their Luminescence. Journal of Luminescence, 26: 23–28.
2. **Kannapiran, E** and J. Ravindran, 2011. Phosphate mineralizing bacteria in the coral reefs of Gulf of Mannar. Journal of Basic Microbiology, (Wiley Blackwell, London) 51: 1–8.

3. Kalaigandhi V, **E. Kannapiran**, Hari Muraleedharan and A. Michael, 2011. *nifH* gene of reference being the source to study the marine *Azotobacter* sp. *J. Sci. Trans. Environ. Technov.*, 5(1) : 37 - 42.
4. Kalaigandhi V and **E. Kannapiran**, 2011. Qualitative and Quantitative Examination of Plant Growth Hormone Production using *Azotobacter* Isolated from Seagrass Ecosystem of Thondi. *Asian Journal of Microbiol. Biotech. Env. Sc.* Vol. 13(4):1-6.
5. Prakash S, **E. Kannapiran**, R. Ramasubburayan, P. Iyapparaj, S. Ananthi, A. Palavesam and G. Immanuel, 2011. Production and partial purification of protease by selected bacterial strains using raw milk as substrate. *Malaysian Journal of Microbiology*, Vol. 7(4): 192-200.
6. Sri Ramkumar, V and **E. Kannapiran**, 2011. Isolation of total heterotrophic bacteria and phosphate solubilizing bacteria and *in vitro* study of phosphatase activity and production of phytohormones by PSB. *Archives of Applied Science Research*, 3 (5):581-586 (ISSN 0975-508X).
7. Sri Ramkumar V, **E. Kannapiran** and M. Palanisamy, 2011. Prevalence and distribution of total heterotrophic bacteria from Kottaipattinam coast, Palk Strait, Southeast coast of India, *Archives of Applied Science Research*, 3 (5):593-598 (ISSN 0975-508X).
8. **E. Kannapiran** and V. Sri Ramkumar, 2011. Isolation of phosphate solubilizing bacteria from the sediments of Thondi coast, Palk Strait, Southeast coast of India *Annals of Biological Research*, 2 (5) : 157-163 (ISSN 0976-1233).
9. Sri Ramkumar V, **E. Kannapiran** and M. Magesh, 2011. Variations in heterotrophic bacteria and phosphate solubilizing bacteria from Karangadu and Devipattinam coast, Palk Strait, Southeast coast of India. *Annals of Biological Research*, 2 (5): 602-609 (ISSN 0976-1233).
10. **E. Kannapiran** and V. Sri Ramkumar, 2011. Inoculation effect of nitrogen-fixing and phosphate-solubilizing bacteria to promote growth of black gram (*Phaseolus mungo* Roxb; Eng) *Annals of Biological Research*, 2 (5) :615-621 (ISSN 0976-1233).
11. 1. Ravindran J, **E. Kannapiran**, B., Manikandan, R Mani Murali and K. Anthony Joseph, 2012. Bleaching and secondary threats on the corals of Palk Bay: A survey and proactive conservation needs. *Indian Journal of Geo-Marine Sciences*, Vol. 41 (1): 883-890. ISSN 0379-5136, Impact factor 0.183.
12. **Kannapiran E** and N.K. Ahila, 2012. Coral Diseases: An Overview, Proceedings of the National Conference on Aquatic Animal Health and Management held at Faculty of Marine Sciences, CAS in Marine Biology, Annamalai University, Parangipettai, from 14 to 15.09.2012, 32-36.

13. Prakash S, S. Ravikumar, K. V. R. Reddy and **E. Kannapiran**, 2013. Spermicidal activity of Indian seaweeds: an in vitro study, *Journal of Andrologia*, *Andrologia* 2013, 1–9. (Wiley Blackwell Publishers). (ISSN: 1439-0272) Impact factor: 1.546.
14. Prakash S, NK. Ahila, S. Ravikumar and **Kannapiran E**, 2013. Phenotypic and Genotypic Probing of Biofertilizing Halotolerant *Azospirillum Spp.* and *Bacillus Spp.* *Middle-East Journal of Scientific Research* 15 (1): 128-133, 2013. ISSN 1990-9233.
15. Ravindran J, **E. Kannapiran**, B. Manikandan , K. Francis, Shruti Arora, E. Karunya, Amit Kumar, S. K. Singh and Jiya Jose, 2013. UV-absorbing bacteria in coral mucus and their response to simulated temperature elevations, Accepted in *Coral Reefs*. ISSN 0722-4028, Impact factor 3.662.
16. Ahila NK, **E. Kannapiran**, J. Ravindran and V. Sri Ramkumar, 2013. Studies on methanogenic consortia associated with mangrove sediments of Ennore. Accepted in the *Journal of Environmental Biology*. ISSN 0254-8704, Impact factor 0.682.
17. Sriramkumar V, Prakash S, Muthukkumarasamy S, Ahila, NK, Ravindran J, **Kannapiran E**, 2014. Synthesis and characterization of silver and gold nanoparticles using aqueous extract of seaweed, *Turbinaria conoides* and their anti-microfouling activity. Accepted in *The Scientific World Journal*. ISSN 1537-744X, Impact factor 1.73.
18. S. Prakash, R. Ramasubburayan, P. Iyapparaj, N. K. Ahila, V. Sri Ramkumar, A. Palavesam & G. Immanuel, **E. Kannapiran**, 2015. Influence of physicochemical and nutritional factors on bacterial diversity in mangrove sediments along the southwest coast of Tamilnadu, India, *Environ Monit Assess*, 187:562
19. Prabhu N.M, P. Rajseker, R.G.Nisha, A. Yasminebegam, **E. Kannapiran** and R. Manikandan, 2016. Effect of turmeric on shrimp (*Penaeus semisulcatus*) shelf life extension in chilled storage condition. *Iranian Journal of Fisheries Sciences* 15(1) 39-52 .
20. Sri Ramkumar V, S. Prakash, R. Ramasubburaya, R. Baburajendran and **E. Kannapiran**, 2016. Seaweeds: A Resource for Marine Bionanotechnology. *Enzyme and Microbial Technology*, Accepted.
21. Prakash S, and **E. Kannapiran**, 2016. In vitro - Scientific evaluation on antimicrobial, antioxidant, cytotoxic properties and phytochemical constituents of traditional coastal medicinal plants. *Biomedicine & Pharmacotherapy* 83:648–657.
22. Ahilaa N.K, V. Sri Ramkumar, S. Prakash, B. Manikandan, J. Ravindran, P.K. Dhanalakshmi, **E. Kannapiran**. Synthesis of stable nanosilver particles (AgNPs) by the proteins of seagrass *Syringodium isoetifolium* and its biomedical properties *Journal: Biomedicine & Pharmacotherapy* 84:60–70.