

**Name** : Dr. R.BALASUBRAMANIAN

**Designation** : Assistant Professor

**Department** : Zoology

**Date of Birth** : 26-06-1970

**Date of Appointment** : 25.01.2006

**Date of Appointment in this institution** : 16.05.2017

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**Field of Specialization** : Marine Benthos and their bioprospecting.

**Teaching Experience** : UG - 14 years and PG - 16 years

**Education Qualification** : M.Sc., (Zoology), M.Phil., (Marine Biology),  
Ph.D., (Marine Biology)

**Research Guidance** : M.Sc., Dissertation 16 and Ph.D., 1 completed,  
M.Sc., Dissertation 2, and Ph.D., - 1 ongoing



**FDP/ Orientation / Refreshes Courses Attended:**

<b>S.No.</b>	<b>Name of the events</b>	<b>Title</b>	<b>Role and Duration</b>	<b>Place</b>
1.	Orientation program	-	01.06.2007 to 28.06.2007	UGC-Accademic Staff College, Pondicherry University
2.	Refresher course	Life Science	01.02.2013 to 21.02.2013	UGC-Accademic Staff College, University of Madras
3	Refresher course	Life Science and Biotechnology	Participants and 20.07.2015 – 14. 08.2015	UGC Sponsored HRDC – Jawaharlal Nehru University, New Delhi
4	Short term course (one week)	Marine Biodiversity and Conservation	Participants and 26.11.2015 – 02.12.2018	Centre of Advanced Study in Marine Biology. Annamalai University, Parangipettai –608 502 Tamil Nadu, India.

**Paper Publications - National / International:**

<b>S. No</b>	<b>Title of the paper/article</b>	<b>Name of the journal/ Magazine</b>	<b>Date of Publication, page no., issue no., Vol. No.</b>	<b>Name of the publishes issn/ isbn no./ ugc/ scopus</b>
1	V. Neelambari, V. Vasanthabarathi, R. Balasubramanian and S. Jayalakshmi (2011). Lipase from <i>Aeromonas hydrophila</i> .	Res. Jour. Micro	6 (8): 658 –668.	1816- 4935/ SCOPUS

2	R. Balasubramanian, R. Tamilarasan, R. Babu and D. Varadharajan (2012). Biochemical changes with influence of nutrients in polychaetes <i>Laeneries ankyloseta</i> , southeast coast of India.	Arch. Appl. Sci. Res.	4 (4): 1869 - 1879	0975 – 508x
3	R. Babu, S. Sankar, R. Balasubramanian and S. Jayalakshmi (2014). Amylase production from marine bacteria <i>Micrococcus roseus</i> associated with polychaetes.	Jour. Sci.	4 (11): 686– 691.	2277 -3290 Print: 2277 –3282
4	R.Balasubramanian 2015.Size at sexual maturity and sex ratio of seahorse, <i>Hippocampus Kelloggi</i> , (Jordan and Snyder, 1902) in Cuddalore coast, Southeast coast of India.	Indian Journal of Drugs and Diseases,	Aug. 2015 Vol 4 (8): 1– 4.	online : 0974 –5645 print: 2278-2941
5	R.Balasubramanian.2015.Embryonic development of seahorse <i>Hippocampus kelloggi</i> (Jordan and Snyder, 1902) in Cuddalore coastal waters,southeast coast of India.	Indian Journal of Drugs and Diseases,	Vol 4 (8) : 1– 6.	Online: 0974 –5645 Print: 2278 –2941
6	R.Balasubramanian (2015). Distribution and species diversity of seahorse in Palk Bay, southeast coast of India.	Indian Journal of Innovations and Developments.	Sept. 2015; 4 (5): 1-4.	online : 2277– 5390
7	R.Balasubramanian (2015). Morphometric and meristic characters of seahorse, <i>Hippocampus kelloggi</i> (Jordan and Snyder, 1902) in Cuddalore, southeast coast of India.	Indian Journal of Economics and Development.	Sept. 2015. Vol 3 (9), 1-7.	online: 2320-9836

8	R.Balasubramanian (2015). Distribution studies on Seahorses in Gulf of Mannar, southeast coast of India.	Indian Journal of Education and Information Management.	Oct. 2015. Vol 4 (1), 1-8.	online: 2277-5374
9	R. Balasubramanian (2015). Food and feeding habits of seahorse <i>Hippocampus kelloggi</i> (Jordan and Snyder, 1902) in Cuddalore coastal water, Southeast coast of India.	Indian Journal of Education and Information Management.	March 2017. Vol 6 (3), 1-8.	online: 2277-5366 print: 2277 -5374
10	R.Balasubramanian. 2017. Brood size of seahorse <i>Hippocampus kelloggi</i> , (Jordan and Snyder, 1909) in Cuddalore coast, Southeast coast of India.	Indian Journal of Innovation and Development,	Feb 2017 Vol 6(2): 1:7	online: 2277-5390 print: 2277 -5382
11	*R.Balasubramanian, 1. R.Babu, 2. V.Ravi, 3. V. Kavitha, 4. R. Anandhan (2017). Distribution of polychaete species in Uppanar estuary, southeast coast of India.	Indian Journal of Innovation and Development	Vol 6 (3): 1-5, March 2017	Issn (Online): 2277 - 5390 Issn (Print): 2277 - 5382
12	R. Balasubramanian and A. Murugan, 2017. Length- Weight relationship of the Great Seahorse <i>Hippocampus kelloggi</i> (Jordan and Snyder 1902), Inhabiting Coromandel Coast, Southeast Coast of India	Indian. J. GeoMar. Sci.,	Jun 2017 46(06): 1193-1197.	UGC

13	R.Balasubramanian 2017.Reproductive maturation of seahorse, <i>Hippocampus kelloggi</i> , (Jordan and Snyder, 1902) in Cuddalore coast, Southeast coast of India.	Indian Journal of Education and Information Management,	Feb 2017 Vol 6 (2): 1-6	online: 2277–5374 print: 2277 -5366
14	R. Anandhan, V. Kavitha, R. Balasubramanian 2017. Effect of lead nitrate on histopathological changes in tissues of Freshwater fish <i>Labeo rohita</i> (Ham.)	Indian Journal of Education and Information Management,	Feb 2017 Vol 6 (2): 1-8	Online: 2277 –5374 print: 22 – 5366
15	R.Balasubramanian 2017. Fecundity of seahorse, <i>Hippocampus Kelloggi</i> , (Jordan and Snyder, 1902) in Cuddalore coast, Southeast coast of India.	Indian Journal of Innovation and Development,	March 2017 Vol 6 (3): 1-6.	online: 2277 –5390 Print: 227- 5382
16	R. Balasubramania, R. Babu, V. Ravi (2017). Influence of seasonal changes on physico-chemical characteristics of Uppanar estuary, southeast coast of India.	Indian Journal of Education and Information Management.	March 2017. Vol 6 (3), 1-8	online : 2277 –5374 print: 2277 -5366

17	R. Anandhan, V. Kavitha, R. Balasubramanian (2017). Determination of OC, N, P, K level with effect of endosulfan in vermicompost.	Indian Journal of Education and Information Management.	March 2017 Vol 6(3), 1-6.	online : 2277 –5366 print: 2277- 5374
18	R. Balasubramanian, S. Jayakumar, V. Ravi, V. Kavitha, R. Anandhan (2017). Culture practices of Litopenaeus vannamei in fresh water grow-out ponds.	Indian Journal of Education and Information Management.	March 2017. Vol 6 (3), 1-9.	online: 2277 –5366 print: 2277 -5374
19	R. Balasubramanian (2017). Seasonal influence on physico-chemical properties of coastal waters in Nagapattinam, southeast coast of India.	Indian Journal of Innovation and Development.	Sept 2017, Vol 6 (9), 1-6.	online: 2277 –5390 print: 2277 -5382
20	R. Balasubramanian (2017). Seasonal occurrence of distribution and diversity of Polychaete in Nagapattinam coastal water, Southeast coast of India.	Indian Journal of Innovation and Development	Sept. 2017 Vol 6 (9), 1-4.	online: 2277 –5390 print: 2277 -5390
21	R. Balasubramanian (2017). Changes of physico-chemical parameters due to the seasonal influence of coastal waters in Karaikkal coast, southeast coast of India.	Indian Journal of Innovation and Developments	Sept. 2017. Vol 6 (9), 1-6.	online : 227 –5390 print: 2277 -5382

22	R.Balasubramanian (2017). Distribution of nematodes in Karaikkal coastal waters, southeast coast of India.	Indian Journal of Innovations and Developments.	Sept. 2017 Vol 6 (9), 1-5.	online: 2277 –5390  print: 2277-5382
23.	R. Balasubramanian, K. Jaganathan, V. Kavitha, R. Ananthan (2017). Isolation of Heavy Metal Resistant Bacteria from Estuarine Environs in Southeast Coast of India.	Eurasian Journal of Analytical Chemistry.	201712(8): 1639-1650	ISSN:1306-3057 UGC&Scopus
24	R.Balasubramanian, and R.Babu (2017). Cellulase Production from Polychaete Associated Bacteria, Lysinibacillus Sphaericus	Eurasian Journal of Analytical Chemistry	201712(7): 1045-1054	ISSN:1306-3057 UGC&Scopus
25.	R. Balasubramanian <sup>1*</sup> and R. Babu (2019). Isolation of marine bacteria from polychaete species and their antibacterial activity in uppanar estuary, southeast coast of India	Journal of International Pharmaceutical Research,	46(1): 652-658	ISSN: 1674-0440/ UGC&SCOPUS
26.	Elayaperumal Natarajan <sup>1*</sup> , Ramasamy Balasubramanian <sup>2</sup> and Pitchiah Sivaperumal <sup>3</sup> (2019). Purification and characterization of antioxidant peptides of <i>Podophthalmus vigil</i> hemolymph	Journal of International Pharmaceutical Research,	46(1): 667-675	ISSN: 1674-0440/ UGC&Scopus

27.	Kavitha V.1, Anandhan R.*1, Sumathi R. 2, Balasubramanian R. 3 and S. Baskarsanjeevi 4 (2019). Analyse of selected heavy metal contamination in the mudikondan river nannilam thiruvavur district tamil nadu india.	World Journal of Pharmaceutical Research	Volume 8, Issue 8, 1147-1157.	ISSN 2277-7105/ UGC & SCOPUS
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### Book and Book chapter Publications:

S.No	Title of the book	ISBN No	without ISBN No.	Chapter in Edited Books
1	K. Kathiresan, N. Veerappan and R. Balasubramanian, 2015. Status of fauna in mangrove eco systems of India. <b>(Book chapter)</b>	978-0-801948-1 Academic Press, UK. Chapter 29. pp. 485-497.	-	Introduction, Mangrove inhabiting fauna, Conservation status of fauna, Recent status of research on fauna, Threats to mangrove fauna, Values of mangrove fauna, Conclusion, References.
2	R. Balasubramanian, R. Praveena, G. Elakkiya, V. Kavitha and V. Ravi, 2018. Seasonal influence on Distribution of polychaetes in Nagapattinam coastal waters, southeast coast of India in National Conference on Indian Fisheries: Prospects and Challenges. Sponsored UGC Autonomous Grant. <b>(Book chapter)</b>	Edited By V. Ravi, R. Balasubramanian & S. Venkatalakshmi. 2018. National conference on Indian fisheries: Prospects and Challenges, ISSN 0974 -6323		National Conference on Indian Fisheries: Prospects and Challenges. Sponsored UGC Autonomous Grant. <b>(Book chapter)</b>



4	Edited By V.Ravi, R.Balasuaramanian & S. Venkatalakshmi. 2018. National conference on Indian fisheries: Prospects and Challenges (NCIFPC – 2018). (Book)	ISSN 0974 -6323	-	National conference on Indian fisheries: Prospects and Challenges (NCIFPC – 2018). (Book) - invited research articles and abstracts
5	R. Balasubramanian (2019). Status of seahorses. <b>(Book chapter)</b>	ISBN 978-93-82398	-	Review in Aquatic Sciences

**Details Of Conference / Seminars / Workshop Attended :**

S.No	Title of the event	Date	Place	National
1	R.Balasubramanian. 2016. Nat. Conf. on Advances in Taxonomy of Marine fisheries.	March 17 <sup>th</sup> 2016	CAS in Marine Biology, Annamalai University.	National
2	R.Balasubramanian. 2016. Nat. Conf. on Conservation techniques for economically valuable marine organisms. Annamalai University.	2016	CAS in Marine Biology, Annamalai University.	National
3	R.Balasubramanian. 2016. Nat. Conf. on Commercially important marine finfish immune system. Annamalai University.	2016.	CAS in Marine Biology, Annamalai University.	National
4	R. Balasubramanian 2017, Neo- classical Approaches in Zoological Sciences.	16.2.2017 to 17.2.2017.	University of Madras, Chennai & The Zoological Society, Kolkata.	National
5	R. Balasubramanian 2018. National Workshop on Recent Trends in Bio Virtual Labs	24.1.2018	Dept. of Zoology, Government College for Women, Kumbakonam.	National

6	R. Balasubramanian 2018.National Workshop on Computational Biology And its Application.	7.2.2018 to 9.2.2018.	Dept. of Zoology, Government College for Women, Kumbakonam.	National
7	R. Balasubramanian 2018. National Conference on Indian Fisheries: Prospects and Challenges. Sponsored UGC Autonomous Grant.	15 <sup>th</sup> to 168 <sup>th</sup> Feb. 2018	Dept. of Zoology, Government College for Women (A), kumbakonam	National
8	R.Balasubramanian, 2019. National Seminar on Recent developments in mangrove environment and challenges on its sustainability, UGC – sponsored program	6 <sup>th</sup> March 2019	CAS in Marine Biology, Annamalai University.	National
9	R.Balasubramanian, 2019. National Seminar on Environmental issues and impact on marine organisms and straregies, UGC – SAP sponsored program	20 <sup>th</sup> Feb 2019	CAS in Marine Biology, Annamalai University	National
10	R.Balasubramanian (2020). National Webinor on Impact and perpective of pandemic Covid-19 on fisheries and aqua sector : a special focus on Andhra Pradesh.	29.07.2020 to 31.07.2020	Dept. of Fisheries Resource Management, College of Fishery Science, Muthukur, Andhra Pradesh.	National

### National Workshop

S No.	Title of the event	Date	Place	National
1	R.Balasubramanian, 2013. Participated in short term course on Ocean science and Technology	17 <sup>th</sup> to 18 <sup>th</sup> Sept. 2013	Department of Ocean Engineering, IIT, Madras	
2	R.Balasubramanian, 2014. Participated in Staff Development Program- Class Room Management.	24 <sup>th</sup> to 25 <sup>th</sup> Jan. 2014	Conducted by Staff training and Development Centre, Annamalai University	
3	R.Balasubramanian, 2016. Advances in Taxonomy of Marine Fishes, sponsored by Ministry of Human Resource Development (MHRD), New Delhi.	16 <sup>th</sup> Mar 2016	CAS in Marine Biology, Annamalai University	National

4	R.Balasubramanian, 2016. Participated in Code of Professional Conduct: Student and Staff Relationship.	16 <sup>th</sup> March 2016	Conducted by Staff training and Development Centre, Dept. of Civil Eng. Faculty of Eng. And Tech. Annamalai University	
5	R.Balasubramanian, 2018. National Workshop on Computational Biology and its Applications, Sponsored by UGC-Autonomous Grant.	8 <sup>th</sup> to 9 <sup>th</sup> Feb. 2018	Dept. of Zoology, Government College for Women (A), kumbakonam	National
6	R.Balasubramanian, 2018. National Workshop on Recent Trends in Bio-Virtual Labs, Sponsored by UGC-Autonomous Grant.	24 <sup>th</sup> Jan. 2018	Dept. of Zoology, Government College for Women (A), kumbakonam	National
7	R.Balasubramanian, 2018. Hands on Training to Create Awareness About the Applied Zoology for self Employment, Sponsored by Tamil Nadu State Council for Science & Technology and National Council for Science & Technology Communication, New Delhi.	11 <sup>th</sup> to 13 <sup>th</sup> Oct. 2018	Dept. of Zoology, Government Arts College (A), kumbakonam	National
8	R.Balasubramanian, 2019. One Day FDP on Prospects of Outcome Based Curriculum, Sponsored by UGC-Autonomous Grant.	31 <sup>st</sup> Aug. 2019	IQAC, Government College for Women (A), kumbakonam	
9	R.Balasubramanian, 2019. Training program on General principles and Techniques Adopted in fisheries Biology, Sponsored by ICAR-NAHEP.	6 <sup>th</sup> to 8 <sup>th</sup> May 2019	Dept. of Fisheries Resource Management, College of Fishery Science, Muthukur, Andhra Pradesh.	National

**Details Of National Conference / Seminars / Presented:**

S.No.	Title of the event	Date	Place	National
1	R.Balasubramanian, R. Babu and N. Veerappan, 2017. Distribution of macrobenthos in Gadilum estuary, southeast coast of India, National Conference on Neo-classical Approaches in Zoological Sciences & A Zoological Society Initiative – II nd Young Scientist Meet.	16 <sup>th</sup> to 17 <sup>th</sup> Feb. 2017	By Dept. of Zoology, University of Madras, and Zoological Society, Kolkota	National

2	R. Balasubramanian and R. Praveena 2018. Seasonal influence on Distribution of polychaetes in Nagapattinam coastal waters, southeast coast of India in National Conference on Indian Fisheries: Prospects and Challenges. Sponsored UGC Autonomous Grant.	15 <sup>th</sup> to 16 <sup>th</sup> Feb 2018	Dept. of Zoology, Government College for Women(A), Kumbakonam	National
3	R. Balasubramanian and G. Elakkiya 2018. Distribution of Nematode species on sandy bottom of Karaikal coastal waters, southeast coast of India, in National Conference on Indian Fisheries: Prospects and Challenges. Sponsored UGC Autonomous Grant.	15 <sup>th</sup> to 16 <sup>th</sup> Feb 2018	Dept. of Zoology, Government College for Women(A), Kumbakonam	National
4	R. Balasubramanian and K. Sathiya, 2018. Occurrence and distribution of foraminiferans in Karaikal coastal waters, southeast coast of India, in National Conference on Indian Fisheries: Prospects and Challenges. Sponsored UGC Autonomous Grant.	15 <sup>th</sup> to 16 <sup>th</sup> Feb 2018	Dept. of Zoology, Government College for Women(A), Kumbakonam	National
5	R. Balasubramanian and Jonas Chinnapparaja, 2019. Distribution of macrobenthos in Gadilum estuary, southeast coast of India on one day National seminar on Marine resources including Mangroves a promising future, Sponsored by UGC-SAP	11 <sup>th</sup> Mar 2019	CAS in Marine Biology, Annamalai University	National

**Details Of International Conference / Seminars Attended:**

S.No	Title of the event	Date	Place	National
1	R. Balasubramanian, 2017. International Conference on Biotechnology and its application, Sponsored by Science Engineering Research Board & DBT, New Delhi.	23 <sup>rd</sup> to 25 <sup>th</sup> Aug 2017.	CAS in Marine Biology, Annamalai University.	International

2	R.Balasubramanian, 2017. International Conference on Current immunological tools for biodiversity and status of environment health, Sponsored by ICSSR & DBT, New Delhi.	21st to 23th Aug 2019.	CAS in Marine Biology, Annamalai University.	International
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**Details Of Intrnational Conference / Seminars Presented:**

S.No	Title of the event	Date	Place	National
1	R`Balasubramanian, 2019, Biochemical concentration in earth worms, In International Conference on sustainable scientific advancements,	22 <sup>nd</sup> to 23 <sup>rd</sup> Feb 2019	Dept. of Biotechnology, Dept. of Physics, and Dept. of Chemistry, Sri Vinayaga college of Arts and Science, Ulundurpet, TamilNadu	International
2	R`Balasubramanian and Jegannathan, 2019. Heavy metal resistant bacteria in Uppanar estuary, in International Conference on Recent Advancements in Pure and Applied Mathematics,	25 <sup>th</sup> Feb 2019	Dept. of Mathematics, Government Arts College (A), kumbakonam	International
3	R`Balasubramanian, 2019, Biochemical concentration in earth worms, In International Conference on Recent trends in Advanced Functional Materials,	22 <sup>nd</sup> Feb 2020	Dept. of Physics, Idhaya College for Women, Kumbakonam	International
4	R`Balasubramanian and R. Babu, 2020. Isolation of bacteria from polychaetes and their bacteriocin production in Uppanar estuary, south eastcoast of India, in International Conference on Advanced Materials for Energy and Environmental Applications.	20 <sup>th</sup> to 21 <sup>st</sup> Feb 2020	Dept. of Physics, Thiru Kolanjiappar Government Arts College, Virudhachalam, Tamil Nadu.	International

**Invited lecture in International Workshop :**

<b>S.No</b>	<b>Title of the events</b>	<b>Details</b>	<b>Date</b>	<b>Place</b>
1.	R.Balasubramanian. 2015. International training course on mangrove biodiversity. Sponsored by United Nations University International for Water Environment and Health (UNU- IWEH)	Invited lecture and conducted practical on Marine benthos	23. 11.2015 – 07. 12.2015	Centre of Advanced Study in Marine Biology, Annamalai University, Parangipettai 608 502, TamilNadu.
2.	R.Balasubramanian. 2014. International training course on by United Nations University- International for Water Environment and Health (UNU- mangrove biodiversity- Sponsored IWEH)	Invited lecture and conducted practical on Marine Benthos	27 Oct. - 10.Nov. 2014	Centre of Advanced Study in Marine Biology, Annamalai University, Parangipettai 608 502, TamilNadu.

**Journal Reviewer**

<b>S.No</b>	<b>Title of the events</b>	<b>Date</b>	<b>Place</b>
1	R. Balasubramanian, Reviewer in Indian Journal of Economics and Development	2014 to 2018	Indian Society for Education and Environment

**Science Society Membership**

<b>S.No</b>	<b>Title of the events</b>	<b>Date</b>	<b>Place</b>
1.	R.Balasubramanian, Official member of Indian Society for Education and Environment	2014 to 2017	Indian Society for Education and Environment