

**M.G.RAGUNATHAN** M.Sc., M.Phil., Ph.D  
**ASSOCIATE PROFESSOR**

## **CURRICULUM VITAE**



*A dedicated experienced teacher and researcher with dynamic expertise eager to pursue a higher career. Having excellent potential and an ability to actively contribute innovative ideas and creative approaches to the scientific community*



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**PRESENT POST HELD:ASSOCIATE PROFESSOR**

**Department of Advanced Zoology and Biotechnology  
Guru Nanak College, Velachery  
Chennai-42.**

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**EDUCATIONAL QUALIFICATION**

<b>Certificate/Degree</b>	<b>Year</b>	<b>Name of the Institution</b>	<b>Major</b>
PGDESD	2013	Tamilnadu open university	Environment
PhD	1995	SirTheagarayaCollege, Chennai – 21	Zoology
M.Phil	1990	Pachaiyappa’s College, Chennai – 30	Zoology
M.Sc	1989	VoorheesCollege, Vellore – 1	Zoology
B.Sc	1987	VoorheesCollege, Vellore– 1	Zoology

**TITLE OF THE THESIS FOR THE RESEARCH DEGREES**

<b>Degree</b>	<b>Subject</b>	<b>Title</b>
M.Phil.	Zoology	Light microscopic studies on the Islets of Langerhans of the marbled frog, <i>Uperodonsystema</i> (Schneider)
PhD	Zoology	Effects of Reserpine and Chlorpromazine on a female crab, <i>Paratelphusahydrodromous</i> (Herbst) of SozhinganallurVillage, Chennai,TamilNadu.

**PROFESSIONAL EXPERIENCE: TEACHING AND RESEARCH -24 YEARS**

1. Assistant Professor in Department of Zoology, P.G. Extension Centre,University of Madras, Vellore from 1996 – 2000.
2. From 2000 to 2012,Assistant Professor in Department of Zoology, Guru NanakCollege,Chennai – 42.
3. From 2012 to till date Associate Professor in the Department of Advanced Zoology and Biotechnology, Guru Nanak College, Chennai – 42.

### **Teaching experience: College/University**

1. Under graduate : 17 years
  2. Post graduate & M. Phil. : 5 years
- No. of years of Research Experience : 28 years**

### **MEMBERSHIP IN PROFESSIONAL SOCIETIES**

1. Life member, Society for Reproductive Biology and Comparative, Endocrinology(SRBCE), Chennai, Tamil Nadu.
2. Life member, Indian Association of Aquatic Biology, Hyderabad, Andhra Pradesh.
3. Life member, Zoological Society of India, Bodh Gaya, Bihar.
4. Life member, Indian Science Congress Association, Kolkata, West Bengal.
5. Life member, Indian Academy of Environmental Sciences, Haridwar, Uttarakhand.
6. Life member, Society for Life Sciences, Satna, Madhya Pradesh.
7. Life member, Society for Applied Biotechnology, Bangalore, Karnataka.
8. Life member, Madhawi educational Trust, Ranchi, Jharkhand.
9. Life member, International Consortium of Contemporary Biologists, Ranchi, Jharkhand.
10. Life member, Indian Association for Science and Nature, Lucknow, Uttar Pradesh.
11. Member of the Sectional Committee-Animal, Veterinary and fishery Sciences for 2013-2014, 2015-16 of 101<sup>st</sup> and 103<sup>rd</sup> Indian Science Congresses respectively, Indian Science Congress Association, Kolkata, West Bengal.
12. Council member 2014-15, 15-16, 17-18, 18-19 Indian Science Congress Association, Kolkata, West Bengal.

### **AWARDS/FELLOWSHIPS**

- Fellow - Zoological Society of India, Bodh Gaya, Bihar - 2007
- Fellow - Society for Life Sciences, Satna, Madhya Pradesh - 2008
- Fellow - Indian Association of Aquatic Biology, Hyderabad, Andhra Pradesh - 2002
- Fellow - Society for Applied Biotechnology, Bangalore, Karnataka - 2011
- Life Fellow - International Consortium of Contemporary Biologists, Ranchi, Jharkhand.
- Life Fellow - Madhawi-Shyam Educational Trust, Ranchi, Jharkhand.
- Environmental Sciences Gold medal 2011 awarded by Zoological Society of India, Bodh Gaya, Bihar.
- Dr.G.K.Kulkarni Gold medal for the contribution in the field of Crustacean Biology, 2012, awarded by Zoological Society of India, Bodh Gaya, Bihar.
- Fellow - Indian Academy of Environmental sciences, 2012, Haridwar,

- Uttarakhand.
- Fellow, Indian Association for Science and Nature, Lucknow, Uttar Pradesh - 2013.
  - 2014 Environmental award winner, constituted by SECNARM, Loyola College, Chennai, Tamil Nadu.
  - Best Senior Scientist Award & Gold medal 2016, awarded by Pearl Foundation Academy, Madurai, Tamil Nadu.
  - Dr. K. K. Tyagi Gold medal for the contribution in Zoology December 2016, awarded by Indian Academy of Environmental Sciences, Haridwar, Uttarakhand.
  - Loyola award for social concern 2017. (15<sup>th</sup> February)
  - Dr. Dutta Munshi Gold medal for the contributions in Crustacean Biology awarded by the Zoological Society of India, Bodh Gaya in June 2017

### EDITORIAL BOARD IN RESEARCH JOURNALS

1. Regional in-charge – Southern Region – Zoological Society of India and the Proceedings of Zoological Society of India, Bodh Gaya, Bihar - 2007 to till date.
2. **Associate Editor** – Life Science Bulletin, Satna, Madhya Pradesh - 2013 to till date.
3. **Associate Editor**—Recent Life Science Mirror, Ranchi, Jharkhand - 2013 to till date.
4. **Editorial Secretary** – Journal of Environment and Biosciences, Haridwar, Uttarakhand - 2016 to till date.

### NUMBER OF STUDENTS GUIDED (COMPLETED)

S.No	Name of Candidate	Title of Thesis	Nature of Registration
1.	Ms.N.Meera	Effects of Fluoxetine on the ovarian development of a fiddler crab, <i>Uca lactea annulipes</i>	Part Time 2006
2.	Ms.J.Jayanthi	Concurrent effects of Methyl farnesoate on the ovarian maturation of eyestalk ablated, and light treated fresh water crab, <i>Oziotelphusasenexsenex</i> .	Part Time 2007
3.	Mrs. R.Eswaralakshmi	Effects of Fluoxetine on the ovarian development of a freshwater prawn, <i>Macrobrachiumlamarreilamarrei</i>	Full Time 2007
4.	Mrs. P.Amudha	Concurrent effects of Fluoxetine and aqueous endocrine tissue extracts of <i>Scylla tranquebarica</i> on the gonadal development of a female fresh water crab, <i>Oziotelphusasenexsenex</i>	Part Time 2008
5.	Mr.T.C.Magesh	The potential use of brackish water crab, <i>Ucatriangularis</i> as a bioindicator species for heavy metal contaminations	Part Time 2009
6.	Ms.P.Lakshmi Devi	Biological responses in edible crab, <i>Scylla serrata</i> (Forsk., 1775) that could serve as markers of	Full Time 2010

		heavy metal contamination in Pulicat Lake, Tamil Nadu	
7.	Ms.M.Sangeetha	The use of a mud crab, <i>Scylla tranquebarica</i> (Fabricius, 1798) as indicator of heavy metal contamination in Ennore creek, Tamil Nadu	Full Time 2010
8.	Mrs.M.Shanmugavalli	Barcoding and genetic diversity of hermit crabs, <i>Clibanarius clibanarius</i> (Herbst, 1771) and <i>Clibanarius longitarsus</i> (De Haan, 1849)	Full Time 2011
9.	Mr.D.Devakumar	Antimicrobial and Immunostimulant activity of <i>Psidium guajava</i> leaf extract in <i>Ozotetelphusa senex senex</i> against <i>Pseudomonas aeruginosa</i>	Full Time 2012
10.	Mrs.R.Priyadharshini	Effects of a vertebrate hormone, Human Chorionic Gonadotrophin on reproduction of a freshwater crab, <i>Ozotetelphusa senex senex</i> (Fabricius, 1791)	Full Time 2012
11	Mrs.Bharathi Nathan	Studies on immune responses in a freshwater crab, <i>Ozotetelphusa senex senex</i> (Fabricius, 1791) challenged by <i>Pseudomonas aeruginosa</i> and <i>Vibrio cholera</i>	Part-Time 2014
12	Mr.J.Sivakumar	Breeding Biology and the population dynamics of the anomuran crab, <i>Emerita asiatica</i> (H.Milne Edwards, 1837) in the Kovalam beach, East Coast, Kanchipuram District of Tamil Nadu, India.	Part-Time 2014
13	Mr.V.Kamaraju	Studies on population dynamics in relation to some environmental factors in a fiddler crab, <i>Uca annulipes</i> (H. Milne Edwards, 1837) in Vellar estuary, South East Coast, India	Part-Time 2015
14	Ms. Sujeetha, M.	Isolation and purification of antihypertensive peptide from a mud crab, <i>Scylla serrata</i> (Forsk., 1775) and its antioxidant and anticoagulant properties	Full-Time 2015
15	Mrs.S.Bhuvaneshwari	Anti-diabetic effects of the leaf extract of a perennial herb, <i>Costus spicatus</i> Linn on the streptozotocin induced diabetes in albino rats	Full time 2016
16	Mrs.S.Shanthi	Pharmacoinformatics and antidiabetic profile validation in a Himalayan Rhizome, <i>Rheum officinale</i> in view of an animal model	Full time 2016
17	Mrs.S.Abirami	Bioprospecting of astaxanthin extracted from banana shrimp, <i>Fenneropenaeus merguensis</i> (De Man, 1888) shell waste	Full time 2016
18	Mrs.N.Parimala Gandhi	Common weed plants, <i>Parthenium hysterophorus</i> L. and <i>Croton sparsiflorus</i> (Morong, T., 1893), co-composted with prawn, <i>Penaeus indicus</i> (H. Milne-Edward, 1837) shell to enhance the growth of <i>Arachis hypogaea</i> L.	Full time 2016

19	Mr.D.Alwin Rajan	Studies on isolation and purification of bioactive peptides from the enzymatic hydrolysates of a fresh water crab, <i>Ozotelphusa senex senex</i> (Bott, 1970) and its multi biofunctional properties	Full time 2016
20	Mrs. B. Nappinai	Autochthonous gut microflora of <i>Scylla serrata</i> and their bioprospecting potential	Full time 2017
21	Mrs. B.Sabana	Isolation and characterisation of allergicprotein tropomyosin from the mud crab, <i>Scylla serrata</i> (Forsk,1775) and antiallergic effect of <i>Cucumissativus</i> and <i>Cucurbita pepo</i> onTropomyosin	Part time 2017
22	Mr.P.Sankar	Application of mathematical tools in biological sciences and prediction of diabetic neuropathy	Part time 2018

#### **NUMBER OF STUDENTS CURRENTLY REGISTERED FORPHD: FULL**

Part Time: 3

Full Time: 4

#### **RESEARCH PROJECTS**

<b>S.No</b>	<b>Title of the project</b>	<b>Funding Agency</b>	<b>Years of Project Operation</b>
1.	Students Minor Research Project: Influence of Fenfluramine on the gonadal development and on the biochemical mobilization in a female fresh water crab, <i>Paratelphusahydrodromous</i> (Herbst).	TamilNaduState Council for Science and Technology,	1999 – 2000
2.	Co- Investigator -Teacher's Minor Project entitled "Effects of methylfarnesoate on the gonadal developmentof a freshwatercrab, <i>Paratelphusahydrodromous</i>	UGC	March 2005 – March 2006
3.	Effects of polychlorinated biphenyls(Aroclor 1254) on the reproduction of a female crab, <i>S. tranquebarica</i> and the ameliorative effects of vitamins C and E.	UGC	2009 -2011

#### **RESEARCH PUBLICATIONS**

##### **NATIONAL**

1. Concurrent effects of light, reserpine and chlorpromazine on the gonadal indices

of a female crab, *Paratelphusahydrodromous*. **Ragunathan, M.G.**, Deecaraman, M. and SharmilaJadhav. *J. Ecotoxicol. Environ. Monit.* (1996), Vol. 6(4):pp. 253 – 256.

2. Phosphates activity of the male crab, *Uca (celuca) lactea annulipes* with respect to seasons. SharmilaJadhav, **Ragunathan, M.G.** and Deecaraman. M.J. *Ecotoxicol. Environ. Monit.* (1997), Vol. 7(4): pp. 225 – 228.
3. Effect of habitat on bio-chemical constituents of *Sarotherodonmossambicus*. Daisy PremaKumari, W. and **Ragunathan.M.G.** *J. Ecotoxicol. Environ. Monit.* (1997), Vol. 7(4):pp. 229 – 232.
4. Certain endocrine influences on the gonadal indices of an eyestalk ablated female crab, *Paratelphusahydrodromous* (Herbst). **Ragunathan, M.G.** and Mahalingam, S. *Geobios* (1998). Vol. 25: pp. 64-66.

## **INTERNATIONAL**

5. Effects of reserpine and chlorpromazine on the phosphatases activity of a female fresh water crab, *Paratelphusahydrodromous* (Herbst). **Ragunathan,M.G.**, Deecaraman, M. and SharmilaJadhav. *J. Environ. Biol.* (1998), vol. 19(3): pp. 231 – 236.
6. Concurrent effects of neuroendocrine tissue extracts and tranquilizers on the gonadal indices of a female crab, *Paratelphusahydrodromous* (Herbst). **Ragunathan, M.G.**, Deecaraman, M. and SharmilaJadhav. *J. Adv. Zool.* (1998), Vol.19(2): pp. 77-80.
7. Impact of two tranquilizers, reserpine and chlorpromazine on certain neurosecretory cells and Reproductive organs of eyestalk ablated female crab, *Paratelphusahydrodromous* (Herbst). **Ragunathan,M.G.**, Deecaraman, M. and SharmilaJadhav. *Ind. J. Exp. Biol.* (1998), Vol. 36: pp. 980- 984.
8. Concurrent effects of light and eyestalk extract on brain, thoracic ganglion and on the changes in the gonadal indices of a female crab, *Paratelphusahydrodromous* (Herbst). **Ragunathan,M.G.**, Singaravelu, G. and Mahalingam.S. *J. Endocrinol. Reprod.* (1998), Vol. 2(2): pp. 46-53.
9. Biochemical variations due to tranquilizers and eyestalk ablation in the female crab, *Paratelphusahydrodromous* (Herbst). **Ragunathan,M.G.**, SharmilaJadhav and Deecaraman.M. *Proc. Natnl. Conf. Biol. Biotechnol. Rem. Environ. Pollution* (1998), pp. 142-146.
10. Quantitative estimation of organic substances in certain tissues of a male brackish water crab, *Uca (celuca) lactea annulipes* (Crane, 1975) during winter and summer seasons. **Ragunathan, M.G.**, SharmilaJadhav and Deecaraman. M. *Proc.*

*Natnl. Conf. Biol. Biotechnol. Rem. Environ. Pollution* (1998), pp. 147-150.

11. Effect of biogenic amines on reproduction in brackish water crab, *Uca (celuca) lactea annulipes*. SharmilaJadhav, **Ragunathan, M.G.** and Deecaraman.M.J. *Environ. Biol.* (1999), Vol. 20(1): pp. 61-66.
12. Influence of eyestalk ablation and 5-hydroxytryptamine on the gonadal development of a female crab, *Paratelphusahydrodromous* (Herbst). **Ragunathan, M.G.** and Arivazhagan, A. *CurrentScience* (1999), Vol.76(4): pp. 583-587.
13. Influence of some environmental factors on the size, reproductive and nutritional cycles of a female brackish water crab, *Uca(celucalactea)annulipes*(Crane, 1975). SharmilaJadhav and **Ragunathan, M.G.** *J.Natcon.* (1999), Vol. 11(1): pp. 27-39.
14. Influence of eyestalk ablation 5-hydroxytryptamine on the neurosecretory cells of brain and thoracic ganglion of a female crab, *Paratelphusahydrodromous*(Herbst). **Ragunathan,M.G.**, DaisyPremaKumari and Mahalingam, S. *Bio. Sci. Res. Bull.* (1999), Vol. 15(1): pp. 1-8.
15. Effect of 5-hydroxytryptamine on the neurosecretory cells of brain and thoracic ganglion of a female crab, *Paratelphusahydrodromous* (Herbst). **Ragunathan, M.G.**, Jayalakshmi, J. and Mahalingam, S. *J. Natcon*, (1999), Vol. 11(1):pp. 47-53.
16. Effects of tranquilizers on the biochemical composition of a freshwater crab, *Paratelphusahydrodromous*(Herbst). **Ragunathan,M.G.**, SharmilaJadhav and Deecaraman, M.J. *Aqua.Biol.* (1999), Vol. 14(1&2); pp. 79-82.
17. Effects of some biogenic amines on the organic substances of a female brackish water crab, *Uca (celuca) lactea annulipes* (Crane, 1975). Sharmila Jadhav, **Ragunathan, M.G.** and Deecaraman, M.J. *Aqua. Biol.*(1999), Vol. 14(1&2), pp. 95-98.
18. Toxic effects of some plants extracts on three species of mosquito larvae. Singaravelu, G., **Ragunathan, M.G.**, Mahalingam, S. and Dhanasekar, M.J. *Exp. Zool*, (2000), Vol. 3(2): pp. 133-136.
19. A study on physico-chemical characteristics of Otteri Lake and Palar River waters in Vellore town, Tamil Nadu, India. **Ragunathan,M.G.**, Mahalingam, S. and Vanitha Devi, K.J. *Aqua. Biol.* (2000), Vol. 15(1&2); pp. 56-58.
20. Biochemical mobilization due to 5-hydroxytryptamine in a fresh water crab, *Paratelphusahydrodromous* (Herbst). **Ragunathan, M.G.** and Mahalingam, S.J. *Adv. Zool.* (2000), Vol. 21(1): pp. 1-6.



21. Changes in the neurosecretory cells in the brain and thoracic ganglion of *Uca (celuca) lactea annulipes* due to 5-hydroxytryptamine, Octopamine and Dopamine. **Ragunathan, M.G.**, Sharmila Jadhav and Deecaraman, M.J. *Adv. Zool.* (2000), Vol. 21(2): pp. 115-120.
22. Influence of Fenfluramine on the gonadal development and on the biochemical mobilization in a female fresh water crab, *Paratelphusahydrodromous* (Herbst). Sumaiya Banu, S., Leela, R. and **Ragunathan, M.G.** Proceedings of the Tamil Nadu State Council for Science and Technology, Chennai. (2000), pp. 62-63.
23. Changes in the neurosecretory cells of the brain and thoracic ganglion of male crab, *Uca (celuca) lactea annulipes* with respect to seasons. **Ragunathan, M.G.**, Sharmila Jadhav and Deecaraman, M.J. *Environ. Biol.* (2001), Vol. 22(4): pp. 311-314.
24. Effects of starvation on the biochemical compositions of a fresh water crab, *Paratelphusahydrodromous* (Herbst). **Ragunathan, M.G.** *J. Adv. Biosciences*, (2002), Vol. 21(II); pp. 13-22.
25. Effect of starvation on the neurosecretory cells of brain, thoracic ganglion and on the gonadal development of a female freshwater crab, *Paratelphusahydrodromous* (Herbst). Eswaralakshmi, R., Jayanthi, J. and **Ragunathan, M.G.** *J. Aqua. Biol.* (2004), Vol. 19(1): pp. 119-123.
26. Effects of Fenfluramine on the neurosecretory cells of brain and thoracic ganglion of a female crab, *Paratelphusahydrodromous* (Herbst). Eswaralakshmi, R., Jayanthi, J. and **Ragunathan, M.G.** *J. Aqua. Biol.* (2004), Vol. 19(1): pp. 169-172.
27. Fenfluramine stimulates ovarian maturation in a freshwater crab, *Paratelphusahydrodromous* (Herbst)- A Biochemical study. Eswaralakshmi, R., Jayanthi, J. and **Ragunathan, M.G.** *J. Aqua. Biol.* (2005), Vol. 25(3): pp. 235-238.
28. Inhibitory action of Reserpine and Chlorpromazine on the reproduction of a female crab, *Paratelphusahydrodromous*. **Ragunathan, M.G.**, Jayanthi, J. and Eswaralakshmi, R. *J. Aqua. Biol.* (2005), Vol. 20(1); pp. 97-100.
29. Biochemical mobilization in an eyestalk ablated male freshwater crab, *Paratelphusahydrodromous* due to certain neurotransmitters. Susan Thomas, Eswaralakshmi, R., Jayanthi, J. and **Ragunathan, M.G.** *J. Aqua. Biol.* (2005), Vol. 20(1); pp. 63-66.
30. Influence of 5-Hydroxytryptamine on the gonadal development of a female crab, *Paratelphusahydrodromous*. Priyamalini, K., Eswaralakshmi, R., Jayanthi, J. and **Ragunathan, M.G.** *J. Aqua. Biol.* (2005), Vol. 20(1); pp. 59-61.

31. Quality assessment of waters in Velachery, Chennai – Tamilnadu. Durai, P., Ravikrishnan, R., Ramamoorthy, S., Murugan, S.S. and **Ragunathan, M.G.** *J. Aqua. Biol.* (2005), Vol. 20(2): pp.121-122.
32. Sex ratios in *Uca lactea annulipes* of Ennore backwaters, Tamil Nadu, India. Ravikrishnan, R., Ramamoorthy, S., Murugan, S.S. and **Ragunathan, M.G.** *J. Aqua. Biol.* (2006), Vol. 21(1): pp. 43-44.
33. Quantitative changes in organic contents due to certain neurotransmitters in a male freshwater crab, *Paratelphusa hydrodromous* (Herbst). Susan Thomas, Eswaralakshmi, R., Jayanthi, J. and **Ragunathan, M.G.** *Uttar Pradesh Journal of Zoology* (2006), Vol. 26(1): pp. 101-103.
34. Nutrient deposition in gonads during their maturation due to fluoxetine in an eyestalk ablated fiddler crab, *Uca lactea annulipes*. Meera, N., Jayanthi, J. and **Ragunathan, M.G.** *J. Aqua. Biol.* (2006), Vol. 21(2): pp. 178-179.
35. Stimulation of ovarian maturation due to Fluoxetine in a brackish water crab, *Uca lactea annulipes* – A biochemical study. Meera, N., Jayanthi, J. and **Ragunathan, M.G.** *J. Aqua. Biol.* (2006), Vol. 21(2): pp. 180-181.
36. Prolonged light and fluoxetine stimulates deposition of organic reserves in the gonads of a female brackish water crab, *Uca lactea annulipes*. **Ragunathan, M.G.**, Meera, N. and Jayanthi, J. *J. Aqua. Biol.* (2007), Vol. 22(1): pp. 166-168.
37. Nutrient mobilisation during ovarian maturation due to Fluoxetine in a fresh water prawn, *Macrobrachium lamarrei lamarrei*. Eswaralakshmi, R., Jayanthi, J. and **Ragunathan, M.G.** *Proc. Zoo. Society of India* (2008), Vol. 7(1): pp. 1-7.
38. Physico-chemical factors of the waters of Vattambakkam Lake in Kanchipuram District, Tamil Nadu, India. Eswaralakshmi, R., Jayanthi, J. and **Ragunathan, M.G.** In *Advances in Aqua. Ecol.* Vol. II. Ed. Viswas. B. Sakhare, Daya Publishing House, Delhi. P. no. 65-68.
39. Concurrent effects of eyestalk ablation and Fluoxetine on the nutrient deposition during ovarian development in a fresh water prawn, *Macrobrachium lamarrei lamarrei*. Eswaralakshmi, R., Jayanthi, J. and **Ragunathan, M.G.** *Asian. J. Exp. Sciences* (2008), Vol. 22(1): pp. 143-146.
40. Light plus Fluoxetine enhances nutrient mobilization during ovarian development in a freshwater prawn, *Macrobrachium lamarrei lamarrei*. Eswaralakshmi, R., Jayanthi, J. and **Ragunathan, M.G.** *J. Env. Bio. Sci.* (2008), Vol. 22 (1): pp. 101-105.
41. A study on the physico-chemical characteristics of water in Vallur village of Tiruvallur district, Tamil Nadu, India. Sangeetha, M., Lakshmi Devi, P.,

Indumathy, P., Jayanthi, J. and **Ragunathan, M.G.** In book “Advances in Aquatic Ecology”. Vol.II. Ed.Viswas.B.Sakhare, Daya Publishing House, Delhi. 34-37.

42. Biochemical mobilization in a freshwater crab, *Oziotelphusasenexsenex* due to aqueous extract of endocrine tissues of *Emerita asiatica*. Indumathy, P., Sangeetha, M., Lakshmi Devi, P., Jayanthi, J. and **Ragunathan, M.G.** *Asian J. Exp Sci.* (2008), Vol. 22(1): pp. 147-151.
43. Influence of endocrine tissue aqueous extracts of *Emerita asiatica* on the biochemical contents of an eyestalk ablated female fresh water crab, *Oziotelphusasenexsenex*. Sangeetha, M., Lakshmi Devi, P., Indumathy, P., Jayanthi, J. and **Ragunathan, M.G.** *Proc.Zoo.Soc.* (2008), Vol. 7(2): pp. 15-20.
44. Combined effects of endocrine tissue extracts of *Emerita asiatica* and continuous light on the organic contents of a fresh water crab, *Oziotelphusasenexsenex*. Lakshmi Devi, P., Sangeetha, M., Indumathy, P., Jayanthi, J. and **Ragunathan, M.G.** *Proc.Zoo.Soc.* (2008), Vol. 7(2): pp. 21-26.
45. Aerobic degradation of Azodye Remazol red using bacterial strain – *Bacillus* sp. Ramesh, T., Jayanthi, J. and **Ragunathan, M.G.** *National Journal of Life Sciences* (2011), Vol. 8(2); pp. 117 - 120.
46. Ameliorative effects of *Psidiumguajavaleaf* extract on the transaminase enzyme activity affected by *Pseudomonas aeruginosa* infection in a freshwater crab, *Oziotelphusasenexsenex*. Devakumar, D., Mahesh, T.C., Priyadharshini, R., Jayanthi, J. and **Ragunathan, M.G.** *National Journal of Life Science*, Vol. 8(1): pp. 43-46.
47. Restoration of phosphatases enzyme activity by *Psidiumguajavaleaf* extract in *Pseudomonas aeruginosa* infected fresh water crab, *Oziotelphusasenexsenex*. Devakumar, D., Mahesh, T.C., Priyadharshini, R., Jayanthi, J. and **Ragunathan, M.G.** *Life Science Bulletin* (2011), Vol. 8(2): pp. 181-184.
48. Ovarian maturation in a freshwater crab, *Oziotelphusasenexsenex* due to human chorionic gonadotrophin-a biochemical confirmation. Priyadharshini, R., Lakshmi Devi, P., Jayanthi, J. and **Ragunathan, M.G.** *J. Recent Trends Biosci.* (2012), Vol. 2(1): pp. 71-73.
49. Efficiency of *Psidiumguajavaleaf* extract on the nitrogenous wastes in *Aeromonashydrophilainfected* fresh water crab, *Oziotelphusasenexsenex*. Deva Kumar, D., Kumaran, T., Jayanthi, J. and **Ragunathan, M.G.** *J. Recent Trends Biosci.* (2012), Vol. 2(1): pp. 47-52.
50. In - house indirect IGM-ELISA based diagnosis of leptospirosis. Rega, S., Jayanthi, J., **Ragunathan, M.G.** and Leena Merlin Abraham. *Life Science Bulletin*, (2012), Vol. 9(2): pp. 289-291.

51. Comparative study of glucose level in eyestalkless and HCG hormone injected field crab, *Oziotelphusasenexsenex*. Gladis Helen Hepsyba, Jayanthi, J., **Ragunathan, M. G.** and Shila Samuel. *Life Science Bulletin*(2012), Vol. 9 (2): pp. 219–221.
52. Production, partial purification and characterisation of free and immobilized amylase from *Bacillus subtilis* and *Aspergillus niger*. Rega, S., Jayanthi, J., **Ragunathan, M. G.**, Kanagaraj Joseph and Leena Merlin Abraham. *National Journal of Life Sciences*, (2012), Vol. 9(2): pp. 143–145.
53. Temperature stress and homeostasis maintenance in field crab, *Oziotelphusasenexsenex*. Gladis Helen Hepsyba, Jayanthi, J., **Ragunathan, M. G.** and Shila Samuel. *National Journal of Life Science*, (2012), Vol. 9 (1): pp. 42–46.
54. Biodegradation of AzodyeRemazol Orange using a bacterial strain - *Pseudomonas* sp. Ramesh. T., Jayanthi, J., **Ragunathan, M. G.** and Alaguraja, R. *Biospectra*, (2012), Vol. 7(4): pp. 95–98.
55. Isolation, characterization and media optimization of *Streptomyces* spp. for improved production of antimicrobial metabolites. Rega, S., Jayanthi, J., **Ragunathan, M. G.** and Nagamani. B. *Recent Life Science Mirror* (2013), Vol. 2(1): pp. 11–14.
56. Effect of vitamin-C (*Phyllanthusemblica*) on the organic contents of an heavy metal contaminated crab *Scylla serrata*. Lakshmi Devi, P., Priyadharshini, R., Jayanthi, J. and **Ragunathan, M. G.** *Recent Life Science Mirror* (2013), Vol. 2(1): pp. 33–38.
57. Stimulated immune response by *Morindatinctoria* methanol leaf extract in a *Vibrio parahaemolyticus* infected freshwater crab, *Oziotelphusasenexsenex*. Kumaran, T., Devakumar, D., Jayanthi, J. and **Ragunathan, M. G.** *Int. J. of Current Science*, (2013), Vol. 5: pp. 145–152.
58. *Morinda tinctoria* leaf extract induced immunity in a fresh water crab, *Oziotelphusa senex senex*. Kumaran, T., Devakumar, D.,

Jayanthi. J. and **Ragunathan, M. G.** *Int. J. of Current Science*, (2013), Vol. 5: pp. 153–160

59. Herbal alternate to *Pseudomonas aeruginosa* infection in a freshwater crab, *Oziotelphusa senex senex*. Devakumar, D., Jayanthi, J. and **Ragunathan, M. G.** *International Journal of Biology, Pharmacy and Allied Sciences*, (2013), Vol. 2(11): pp. 2142 – 2147.
60. Effect of probiotic bacteria on crucian carp *Carassius carassius* survival and growth. Sivakumar, J., Jayanthi, J. and **Ragunathan, M.G.** (2013). Biodiversity, Environment and Probiotics, Narendra publishing house – New Delhi-110 006 (India). ISBN-978-93-82471-40-0.
61. Effects of ecological factors on fecundity of the tropical fiddler crab, *Uca annulipes* at Vellar Estuary, Porto-Novo, Tamil Nadu, South India. Kamaraju, V., Seethalakshmi, B., Manjula, S., Jayanthi, J. and Ragunathan, M.G. *Journal of Theoretical and Experimental Biological*, (2014), Vol. 11; pp. 1-5.
62. Reproductive biology of fiddler crab, *Uca annulipes* at Porto-Novo, Vellar Estuary, Cuddalore District, Tamil Nadu, India. Kamaraju, V., Seethalakshmi, B., Manjula, S., Jayanthi, J. and Ragunathan, M.G. *Journal of Theoretical and Experimental Biological*, (2014), Vol. 11; pp. 7-12.
63. Influence of light and Human Chorionic Gonadotrophin on the ovarian biochemistry in a fresh water crab, *Oziotelphusa senex senex*. Priyadharshini, R., Lakshmi Devi, P., Jayanthi, J. and **Ragunathan, M. G.** *Economic Zoology*, (2014), pp. 11–14.
64. Impact of malathion on biochemical parameters in tissues of *Tilapia mossambicus*. Mahalakshmi, P., Jayanthi, J. and **Ragunathan, M. G.** *Int. J. Bioscience Res*, (2014), Vol. 3(4): pp. 1–11.
65. Impact of probiotic in enhancement of Heterotrophic Bacterial Population in two different cattle wastes added vermicomposts. Ramesh, T., Jayanthi, J., **Ragunathan, M.G.**, Alagurajan, R. and Devakumar, D. *Indian Journal of Biology* (2014), Vol. 1(2): pp. 95-98.
66. Population density of *Emerita asiatica* (H. Milne Edwards, 1837) in relation to Carbonates and Bicarbonates in the Kovalam Beach, East Coast, Kanchipuram District of Tamil Nadu, India. Baskaran Seethalakshmi, Srinivasan Manjula,

JayaprakashSivakumar, Jayaprakash Jayanthi and **ManickavalliGurunathan Ragunathan.***Journal of Modern Biotechnology*, (2014), Vol. 3(4); pp 42-47.

67. Population density of *Emerita asiatica* (H. Milne Edwards, 1837) in relation to salinity in the Kovalam Beach, East Coast, Kanchipuram District of Tamil Nadu, India. Srinivasan Manjula, Baskaran Seethalakshmi, JayaprakashSivakumar, Jayaprakash Jayanthi and **ManickavalliGurunathan Ragunathan.***Journal of Modern Biotechnology* (2014), Vol. 3(5); pp 55-60.
68. Alterations in macro minerals during immunomodulation by *Psidiumguajava* leaf extract in *aeromonashydrophila* infected fresh water crab, *Ozietelphusa senex senex*. DayananthanDevakumar, BaluNappinai, Jayaprakash Jayanthi and **ManickavalliGurunathan Ragunathan.** *Journal of Modern Biotechnology*, (2014); Vol. 3(2); pp 20–29.
69. Effect of temperature on the population of *Emerita asiatica* (H. Milne Edwards, 1837) in the Kovalam beach, East coast, Tamilnadu, India. Sivakumar, J., Nappinai, B., Jayanthi, J. and **Ragunathan, M.G.** *Indian J. Pharm. Biol. Res.* (2014); Vol. 2(2): pp. 22-26.
70. Population density of *Emerita asiatica* (H. Milne Edwards, 1837) in relation to oxygen demand in the Kovalam Beach, East Coast, Kanchipuram District of Tamil Nadu, India. Jayaprakash Sivakumar, Balu Nappinai, Jayaprakash Jayanthi and **Manikkavalli Gurunathan Ragunathan.** *Journal of Modern Biotechnology*, (2014); Vol. 3, No. 3, pp 30–34.
71. Biochemical restoration of *Ricinus communis* L. leaf extract against *Vibriosis*. Srivalli, M., Devakumar, D., Jayanthi, J. and **Ragunathan, M. G.** *International Journal of Biology, Pharmacy and Allied Sciences*, (2014), Vol. 3(4); pp. 567 - 573.
72. Efficacy of *Ricinus communis* L. leaf extract against *Vibrio harveyi* infection in a fresh water crab, *Ozietelphusa senex senex*. Srivalli, M., Devakumar, D., Jayanthi, J. and **Ragunathan, M. G.** *International Journal of Biology, Pharmacy and Allied Sciences*, (2014), Vol. 3(4); pp. 549 – 556.
73. Mineral contents in a marine crab, *Scylla serrata* of Kovalam region, Chennai, Tamilnadu. Anand Rekha, P.A., Jayanthi, J. and **Ragunathan, M.G.** *Int. J. Biol. Phar. Allied Sci.* (2014) 3(2)-239-242.
74. Total protein content in a marine and a freshwater crab. Anand Rekha, P.A., Jayanthi, J. and **Ragunathan, M.G.** *Int. J. Biol. Phar. Allied Sci.* (2014) 3(2).-243-247.

75. Antioxidant property of some extracts derived from the mud crab, *Scylla serrata*. Sujeetha, M., Sharmila, S., Jayanthi, J. and **Ragunathan, M.G.** *International Journal of Phytopharmacology* (2015), Vol. 6(2): pp. 111-113.
76. Quantitative and qualitative analysis of chitin and chitosan from the shell of the mud crab, *Scylla serrata* (Forsk., 1775). Sujeetha, M., Sharmila, S., Jayanthi, J. and **Ragunathan, M.G.** *International Journal of Pharmacy & Therapeutics*, (2015), Vol. 6(2); 69-72.
77. Macronutrients restoration due to *Psidium guajava* leaf extract in a *Aeromonas hydrophila* infected *Ozotetelphusa senex senex*. Devakumar, D., Ramesh, T., Jayanthi, J. and **Ragunathan, M.G.** *Journal of Pharmaceutical Biology* (2015), Vol. 5(3); pp. 167-170.
78. Antioxidant property of the pigment extracted from the edible crustacean shell wastes. Abirami, S., Bharathi Ravikrishnan, Jayanthi, J. and **Ragunathan, M.G.** *European Journal of Biomedical and Pharmaceutical Sciences* (2015), Vol. 2(6); pp. 197-200.
79. Histological changes in some tissues of a light treated and in an eyestalk ablated fresh water crab, *Ozotetelphusa Senex Senex*. Kumaran, T., Devakumar, D., Jayanthi, J. and **Ragunathan, M. G.** *International Journal of Research Studies in Biosciences* (2015); Vol. 3(9); pp. 67 – 72.
80. Phytochemical, antibacterial and GC MS analysis of a floating fern *Salvinia molesta* D.S. Mitchell (1972). Nithya, T.G., Jayanthi, J. and **Ragunathan, M. G.** *International Journal of PharmTech Research* (2015), Vol. 8, No. 9, pp 85-90 (Scopus).
81. Effects of photoperiodism, eyestalk ablation on the ovarian development and electrolyte changes in a freshwater crab, *Ozotetelphusa senex senex*. Kumaran, T., Devakumar, D., Jayanthi, J. and **Ragunathan, M. G.** *Int. J. Curr. Res. Biosci. Plant Biol.* (2015), Vol. 2(8): pp. 130-135
82. Bacterial diversity in some edible marine crabs at Kovalam Beach, East Coast of Chennai. Lipshi Deb, Bharathi Ravikrishnan, Jayanthi, J. and **Ragunathan, M.G.** *European Journal of Biomedical and Pharmaceutical Sciences*, (2015), Volume: 2, Issue: 7, pp. 249-256.
83. Antibacterial effects of certain spice extracts on pathogens isolated from a freshwater crab, *Ozotetelphusa senex senex*. Lipshi Deb, Bharathi Ravikrishnan, Jayanthi, J. and **Ragunathan, M.G.** *European Journal of Biomedical and Pharmaceutical Sciences*, (2015), Volume 2, Issue 7, pp. 257-259.

84. Quantification of cellulolytic bacterial population in two different animal wastes and probiotic added vermicomposts. Parimala Gandhi, N., Shanthi, S., Alwin Rajan, D., Ramesh, T., Jayanthi, J. and **Ragunathan, M.G.** *European journal of biomedical and pharmaceutical science*, (2015); Vol. 2(7); pp. 260-261.
85. Assessment of *Pseudomonas* population in some vermicomposts. Parimala Gandhi, N., Shanthi, S., Alwin Rajan, D., Ramesh, T., Jayanthi, J. and **Ragunathan, M.G.** *European journal of biomedical and pharmaceutical science*, (2015); Vol. 2(7); pp. 262-264
86. Phytochemical investigation of the flower extracts *Hybanthus enneaspermus*(L.) F. Muell. Mohanapriya, M., Jayanthi, J. and **Ragunathan, M. G.** *International Journal of Biological & Pharmaceutical Research*, (2016); Vol. 7(4): pp. 200-204.
87. *In vitro* evaluation of free radical scavenging activity of the flower *Hybanthus enneaspermus*(L.) F. Muell. extract. Mohanapriya, M., Jayanthi, J., Devakumar, D. and **Ragunathan, M.G.** *International Journal of Phytopharmacology*, (2016), Vol. 7(4), 159-163.
88. Antioxidant activity, total phenol, flavonoid, alkaloid, tannin, and saponin contents of leaf extracts of *Salvinia molesta* D. S. Mitchell (1972). Nithya, T.G., Jayanthi, J. and **Ragunathan, M. G.** *Asian J Pharm Clin Res*, (2016), Vol 9(1), pp. 200-203 (Scopus).
89. Anticancer property of a pigment extracted from a crustacean shell waste. Abirami, S., Bharathi Ravikrishnan, Jayanthi, J. and **Ragunathan, M.G.** *International Journal of Biopharmaceutics*. (2016); Vol. 7(1): pp. 13-16.
90. Antioxidant property of the crude peptide extracts of a fresh water crab, *Oziotelphusa senex senex*. Sumalatha, D., Jayanthi, J. and **Ragunathan, M.G.** *Int J Pharm Bio Sci*(2016); Vol. 7(3): pp. 202 – 207.
91. Antimicrobial potential of hemolymph of a fresh water crab, *Oziotelphusa Senex Senex*(Fabricius 1798). Sumalatha, D., Jayanthi, J. and **Ragunathan, M.G.** *Int J Pharm Tech Research*, (2016); Vol.9(6), pp 156-160.
92. Qualitative and quantitative analysis of the shell wastes of a fresh water crab, *Oziotelphusa senex senex* and its biochemical properties. Alwin Rajan, D., Shanthi, S., Jayanthi, J. and **Ragunathan, M.G.** *International Journal of Pharmacy & Therapeutics*, (2016), Vol. 7(1), pp. 18-21.
93. Physicochemical properties and proficient activities of chitin and chitosan isolated from the shell waste of a native fresh water crab, *Oziotelphusa senex senex*. Alwin Rajan, D., Shanthi, S., Jayanthi, J. and **Ragunathan, M.G.** *International Journal of Pharmacy & Therapeutics*, (2016), Vol. 7(3), pp. 129-134.



94. *In silico* characterisation of proteins of *Salvinia molesta* D.S. Mitchell an aquatic weed and assessment of nanoparticle synthesising ability of closely related plant species. Nithya, T.G., Swetha, K., Jayanthi, J. and **Ragunathan, M. G.** *International Journal of Pharma and Bio Sciences*, (2016); Vol. 7(3): pp. 889 – 894 (Scopus).
95. Evaluation of phytochemical screening and antioxidant activity of *Butea superba* Roxb. flower extract. Vijayan, S., Seethalakshmi, B., Jayanthi, J. and **Ragunathan, M.G.** *International Journal of Biological & Pharmaceutical Research*. (2016); Vol. 7(9): pp. 340-343.
96. Quantitative analysis of physicochemical parameters and estimation of terpenoids in the flower extract of *Butea superba* (Roxb.). Vijayan, S., Seethalakshmi, B., Jayanthi, J. and **Ragunathan, M.G.** *Journal of Science*, (2016); Vol 6(11), Pp. 497-500.
97. Interaction of Cyper rotundus compounds and Curcumin with agents Involved in Auto Immune Beta –Cell destruction. Shanthi, S., **Ragunathan, M.G.**, Lydia, Praveena, P., Sudarsanam, D., Vimala Grace Rani and Divya Damodaran. *Research & Reviews: A journal of Pharmacognosy*, 2016-**3(1)**-1-10.
98. Vicissitudes of oxidative stress biomarkers in the estuarine crab, *Scylla serrata* with reference to dry and wet weather conditions in Ennore estuary, Tamil Nadu, India. **Ragunathan, M.G.** *Marine Pollution Bulletin*, (2017), Vol. 116, pp. 113 – 120 (Elsevier).
99. Acute toxic effect of sewage effluent on the early phase of an estuarine crab, *Scylla serrata*. **Ragunathan, M.G.** *Environ. Sci. Pollut. Res. Int. (Springer)* (2017), Vol. 24(20), pp. 16927-16932.
100. Mathematical Predictions of Neuropathic Diabetes from Unit Level Data. Sankar, P., Subhramaniyan, T., Jayanthi, J. and **Ragunathan, M.G.** *International Journal of Scientific and Innovative Mathematical Research (UGC listed)* (2017). Vol. 5(5): pp. 21-30.
101. Faunal Diversity of fish species from Nakana lake, District Dhule (MS) India., Manisha. U. Patil., Ragunathan, M.G. and Ahirrao, K.D., *World Journal of Pharmaceutical Research*. (2017). Vol. **6(14)**: Pp. 575-583.
102. Diabetic Neuropathy Prediction by Logistic Model. . Sankar, P., Subhramaniyan, T., Jayanthi, J. and **Ragunathan, M.G.** *International Journal of Mathematics Trends and Technology*, 2017. Vol. 51(3): Pp. 197-203.
103. Immune Protection of *Salvinia molesta* D.S. Mitchell in Freshwater crab *Oziotelphusa senex senex* bacterially Challenged with *Aeromonas hydrophila*. Nithya, T. G., Jayanthi, J., **Ragunathan, M. G.**, Devakumar, D. *Asian J Pharm*

*Clin Res*, 2017. Vol. 10(12): Pp. 353-356.

104. Analyses of bioaccumulation of Astaxanthin in fenugreek sprouts. Bharathi Ravikrishnan, Abirami Selvaraj, **Ragunathan Manickavalli Gurunadhan** and Jayanthi Jayaprakash. *International Journal of Current Advanced Research* 2017, Vol. 6(11): Pp. 7626-7629.
105. Physico chemical parameters, phytochemical analysis, acid and basic radicals analysis in the leaf extract of *Hybanthus enneaspermus* (L). F. Muell. Kavitha, K., Jayanthi, J. and **Ragunathan, M.G.** *International Journal of Current Advanced Research* 2017, Vol. 6(11): Pp. 7634-7639.
106. *In vitro* analysis of anti-oxidant activity and estimation of biomolecules in the leaf extract of *Hybanthus enneaspermus* (L). F. Muell. Kavitha, K., Jayanthi, J. and **Ragunathan, M.G.** *International Journal of Current Advanced Research* 2017, Vol. 6(11): Pp. 7643-7648.
105. Quantitative analysis of total phenolic and flavonoid compounds of ethanolic extracts of stem and root of *Hybanthus enneaspermus* (L.) F. Muell. Jayanthi K., Kavitha, K., Jayanthi, J., **Ragunathan, M.G.** and Kumaran, T. *World Journal of Pharmaceutical Research*, 2017, **6 (17) - 767-773**.
106. Qualitative analysis of phytochemicals and *in vitro* evaluation of DPPH radical scavenging activity of *Hybanthus enneaspermus* (L.) F. Muell. root extract. Jayanthi, K., Kavitha, K., Jayanthi, J. and **Ragunathan, M.G.** *European Journal of Biomedical and Pharmaceutical sciences*, **2018, 5 (1), 364-367**.
107. Study of species richness, abundance, seasonal variations, various biological and diversity indices of Malacofauna around Parola city, District Jalgaon (MS), India. Ahirrao, K.D., Manisha.U. Patil and **Ragunathan, M.G.** *The Saudi Journal of Life Sciences*. 2018.3 (3). 284-290.
108. Immunomodulatory activity of *Salvinia molesta* D.S. Mitchell in fresh Water crab *Oziotelphusa senex senex* bacterially challenged with *Pseudomonas aeruginosa*. Nithya, T.G., Sumalatha.D., **Ragunathan, M.G.** and Jayanthi, J. *Journal of King Saud University Science (Elsevier)* In press.

#### **GENE BANK ENTRY**

1. DNA barcoding of *Clibanarius longitarsus* from Chennai, Tamil Nadu (2011). Shanmughavalli, M., **Ragunathan, M. G.**, Jayanthi, J., Lakshmi Priya, K., Vadivukkarasi, B. and Tilton, F. Accession number: HQ189514.
2. DNA barcoding of *Clibanarius longitarsus* from Chennai, Tamil Nadu (2011). Shanmughavalli, M., **Ragunathan, M. G.**, Jayanthi, J., Lakshmi Priya, K., Vadivukkarasi, B. and Tilton, F. Accession number: HQ189515.

3. DNA barcoding of Decapods sp. From Chennai, Tamil Nadu, India (2011). Shanmughavalli, M., **Ragunathan, M. G.**, Jayanthi, J., Lakshmipriya, K., Vadivukkarasi, B. and Tilton, F. Accession number: HQ189516.
4. DNA barcoding of Decapods sp. From Chennai, Tamil Nadu, India (2011). Shanmughavalli, M., **Ragunathan, M. G.**, Jayanthi, J., Lakshmipriya, K., Vadivukkarasi, B. and Tilton, F. Accession number: HQ189517.
5. Isolation and characterization of marine pathogenic bacteria, ***Micrococcus luteus* 16S ribosomal RNA gene, partial sequence** from Indian sand lobster, *Thenus unimaculatus*(2015). Mahalakshmi,P., Kizhakudan,J.K., Jayanthi.J., **Ragunathan, M.G.** and Krishnaraj, M. Accession number: KP776463.
6. Isolation and characterization of marine pathogenic bacteria, ***Thioclavapacifica*16S ribosomal RNA gene, partial sequence** from Indian sand lobster, *Thenus unimaculatus*(2015). Mahalakshmi,P., Kizhakudan,J.K., Jayanthi.J., **Ragunathan, M.G.** and Krishnaraj,M. Accession number: KP776464.
7. Isolation and characterization of marine pathogenic bacteria, ***Bacillus niacini* 16S ribosomal RNA gene, partial sequence** from Indian sand lobster, *Thenus unimaculatus*(2015). Mahalakshmi,P., Kizhakudan,J.K., Jayanthi.J., **Ragunathan, M.G.** and Krishnaraj,M. Accession number: KP776465.
8. Isolation and characterization of marine pathogenic bacteria, ***Novosphingobium aromaticivorans* 16S ribosomal RNA gene, partial sequence** from Indian sand lobster, *Thenus unimaculatus*(2015). Mahalakshmi,P., Kizhakudan,J.K., Jayanthi.J., **Ragunathan, M.G.** and Krishnaraj,M. Accession number: KP776466.
9. Isolation and characterization of marine pathogenic bacteria, ***Shimwellia blattae* 16S ribosomal RNA gene, partial sequence** from Indian sand lobster, *Thenus unimaculatus*(2015). Mahalakshmi,P., Kizhakudan,J.K., Jayanthi.J., **Ragunathan, M.G.** and Krishnaraj,M. Accession number: KP776467.
10. Isolation and characterization of marine pathogenic bacteria, ***Vibrio harveyi* 16S ribosomal RNA gene, partial sequence** from Indian sand lobster, *Thenus unimaculatus*(2015). Mahalakshmi,P., Kizhakudan,J.K., Jayanthi.J., **Ragunathan, M.G.** and Krishnaraj,M. Accession number: KP776468.
11. Isolation and characterization of marine pathogenic bacteria, ***Rhodobacter maris* 16S ribosomal RNA gene, partial sequence** from Indian sand lobster, *Thenus unimaculatus*(2015). Mahalakshmi,P., Kizhakudan,J.K., Jayanthi.J., **Ragunathan, M.G.** and Krishnaraj,M. Accession number: KP776469.

12. Isolation and characterization of marine pathogenic bacteria, *Shewanella indica* 16S ribosomal RNA gene, partial sequence from Indian sand lobster, *Thenus unimaculatus*(2015). Mahalakshmi,P., Kizhakudan,J.K., Jayanthi.J., **Ragunathan, M.G.** and Krishnaraj,M. Accession number: KP776470.
13. Isolation and characterization of marine pathogenic bacteria, *Enterobacter aerogenes* 16S ribosomal RNA gene, partial sequence from Indian sand lobster, *Thenus unimaculatus*(2015). Mahalakshmi,P., Kizhakudan,J.K., Jayanthi.J., **Ragunathan, M.G.** and Krishnaraj,M. Accession number: KP776471.

### **SEMINARS / CONFERENCES ATTENDED AND PAPERS PRESENTED**

1. Attended and presented paper in the All India symposium on “Reproductive Biology and Comparative Endocrinology” held in Tiruchirapalli in 1991.
2. Attended the National Seminar on “Natural resource management” at Chennai - 1992.
3. Attended and presented a paper in the III – Indo-pacific and VI All India symposium on “Invertebrate Reproduction” held at Sivakasi in 1993.
4. Attended the Second National Symposium on “Prospects and Problems of Sericulture in India” held at Vellore in 1994.
5. Attended and presented a paper in the VII All India symposium on “Invertebrate Reproduction” held at Cannanore (Kerala) in 1995.
6. Attended and worked as Organizing Committee Member in the Third National Symposium on “Prospects and Problems of Sericulture in India” held at Vellore in 1998.
7. Attended the National Seminar on living resources for the millennium – 2000 in 1998 at Chennai.
8. Attended and presented two papers in the national conference on “Biological and Biotechnological remedies to Environmental pollution” held at Vellore in 1998.
9. Attended the UGC seminar on Infrastructural Development in TamilNadu: Performance and Perspectives held at Vellore in 1999.
10. Attended the Young Scientists conference on “Environment, Health and Food” at Chennai – 1999.

11. Attended the Caliber – 2000 and worked as a volunteer in the Seventh National Convention of INFLIBNET on information services in a networked environment in India held at University of Madras and INFLIBNET Centre, Ahmedabad in 2000.
12. Attended the National Symposium on “Vistas of Entomological Research for the New Millennium” held at Chennai in 2000.
13. Underwent a training course conducted by Zoological Survey of India, Chennai Division on Collection, preservation & identification techniques of Zoological specimens under Ministry of Environment & Forests, Govt. of India Scheme.
14. Attended a one day workshop on “An alternate to animal dissection” conducted by Committee for the Purpose of Control and Supervision of Experiments in Animals (CPCSEA) 2002.
15. Attended the State level Seminar on “Poultry” held at Chennai in December 2003.
16. Attended a Symposium on “Current trends in Laboratory techniques for the diagnosis of Human disorders” held at Chennai in December 2003.
17. Attended a State level Seminar on “Environment for Health, Wealth & Peace” held at Chennai in December 2003.
18. Attended a National Seminar on “New frontiers in Marine Bioscience Research” held at NIOT, Chennai in January 2004.
19. Attended the XXII annual Symposium on “Reproductive Biology and Comparative Endocrinology” held at Chennai in January 2004.
20. Attended an International Symposium on “Neurochemistry and Drug Addiction” held at Chennai in May 2004.
21. Attended a State level Seminar on “Molecular basis of diseases in biochemistry” held at Chennai on August 2004.
22. Attended a National seminar on “Healthy environment for the next generation” held at Loyola College, Chennai on December 2004.
23. Attended a Symposium on “Tsunami- Bio-geoinformatics 2005” held at Loyola College, Chennai on March 2005.
24. Attended a one day State level seminar on “MICROBIAL INFECTION IN AIDS” held at Prof. Dhanapalan College for Women, Kelambakkam on 20th

August 2005.

25. Attended a two day National Conference on “SAFE ENVIRONMENT FOR THE FUTURE GENERATIONS” held at Auxillium College, Vellore on 1st and 2<sup>nd</sup> September 2005.
26. Attended a training workshop on “USE OF SIMULATORS AS ALTERNATIVES TO DISSECTION” held at Stella Maris College, Chennai on 15th September 2005.
27. Attended a one day State level seminar on “ADVANCES IN MACROMOLECULES” held at Prof. Dhanapalan College for Women Kelambakkam on 17th September 2005.
28. Attended a National Conference on “BIODIVERSITY” held at Loyola College, Chennai on January 30th and 31st, 2006.
29. Attended a one day State level seminar on “RECENT APPROACHES IN BIOMEDICAL SCIENCES” held at Prof. Dhanapalan College for Women, Kelambakkam on 2nd September 2006.
30. Participated in the 94th Indian Science Congress held at Annamalai University, Annamalainagar, Chidambaram from January 3rd to 7th 2007.
31. Attended the National seminar on “MOSQUITO BIODIVERSITY AND CHALLENGES IN THE CONTROL OF MOSQUITO – BORNE DISEASES” held at Loyola College, Chennai on 19th and 20th February 2007.
32. Attended a workshop on “GENDER CONCERNS IN FOOD SECURITY” held at M.S. Swaminathan Research Foundation, Chennai held on 26th and 27th February 2007.
33. Attended an International conference on 'Bioexplore' organized by Ohlone College, U.S.A at Science City on 28th July 2007.
34. Attended the National Conference and Inter Collegiate Technical Meet organized by the Department of Biotechnology and Bioinformatics- SRM University, Ramapuram, Ch-89 on 3<sup>rd</sup> and 4<sup>th</sup> September 2007.
35. Presented a paper entitled “Light enhances ovarian maturation in a freshwater crab, *Oziotelphusa senex senex*” at the 18<sup>th</sup> All India Congress of Zoology National Seminar on “Current Issues on applied Zoology and Environmental Sciences with special reference to Eco-restoration and Management of Bioresources” jointly organized by the University of Lucknow and B.B. Ambedkar University at Lucknow from 7<sup>th</sup> -9<sup>th</sup> December 2007.

36. Presented a paper entitled “Light enhances ovarian maturation in a fresh water crab, *Oziotelphusasenexsenex*- A Biochemical approach at the Indian Science Congress held from January 3<sup>rd</sup> – January 7<sup>th</sup> 2008 at Visakhapatnam.
37. Attended the International Congress of Global Warming on Biodiversity of Insects: Management and Conservation held in Coimbatore 2009.
38. Participated in the Obesity awareness programme conducted by Obesity Foundation of India in December 2009 at Marina Beach, Chennai.
39. Presented a paper entitled “Effect of Fluoxetine on the ovarian development of a fresh water prawn, *Macrobrachiumlamarreilamarrei*” in the 20<sup>th</sup> All India Congress of Zoology, National Seminar on Bioresources and its management for food, livelihood and Environmental safety and National helminthological congress held at Central Institute of Fisheries Education held from 29<sup>th</sup> – 31<sup>st</sup> December 2009 at Mumbai.
40. Participated and Presented a paper entitled “Biochemical mobilization during ovarian maturation due to Methyl Farnesoate in an eye stalk ablated fresh water crab, *Oziotelphusasenexsenex*” at the Indian Science Congress held at The University of Kerala, Kariavattum, Thiruvananthapuram from January 3<sup>rd</sup> – 7<sup>th</sup> January, 2010.
41. Attended the National Conference on Recent Trends in Environmental Toxicology held at Sir Theayagara College, Chennai January 28<sup>th</sup> and 29<sup>th</sup> 2010.
42. Attended the “Deer Census Population Programme” conducted by the Tamil Nadu Forest Department in the Guindy National Park on 21<sup>st</sup> February 2010.
43. Attended a one day seminar on “Nuture Nature” a seminar on Environmental concerns conducted by CSIM, Chennai on 26<sup>th</sup> February 2010.
44. Participated in the Indian Science Congress Held at the SRM University, Kattangulathur from January 3<sup>rd</sup> to January 7<sup>th</sup> 2011.
45. Attended the National Science Congress on Biosciences Research in 2011, jointly organized by Ethiraj College for women Chennai and Biolim Centre for Science, Chennai.
46. Attended the National Seminar on Recent Advances in Food Biotechnology and its applications, organized by Vinayaga Missions University in 2011 at Paiyanoor.
47. Participated in the National Workshop on “Development of an Alternative

Laboratory Curriculum in Zoology To Replace Animal Dissections And Experiments With Humane Technique” organized by Stella Maris College, Chennai, held on November 25 and 26, 2011.

48. Participated in the Indian Science Congress Held at the KIIT, Bhubaneswar, from January 3<sup>rd</sup> to January 7<sup>th</sup> 2012.
49. Participated in “A National Workshop for Undergraduate Biology Teachers” held on 11<sup>th</sup> to 14 January, 2012 at Pune.
50. Participated and served as Organizing Committee member in the State Level Academic conference on ‘empowering College Students with mother tongue Educational Background’ on 25<sup>th</sup> March 2012 at Guru Nanak College, Chennai-42.
51. Participated in the Commemoration of International Day for Biological Diversity Organized by National Biodiversity Authority, Government of India, Ministry of Environment and Forests, in collaboration with Loyola College on May, 10, 11 & 12, 2012.
52. Attended the National Seminar on “Role of Teachers in Enhancing Quality in Higher Education” organised by University of Madras on 24<sup>th</sup> August, 2012.
53. Presented a paper at the “National Symposium on Emerging Horizons in Biotechnology – Challenges and prospects” held in the Department of Biotechnology, Alpha arts and Science College on 20 and 21<sup>st</sup> September 2012.
54. Presented a paper entitled “Influence of Light and Human Chorionic Gonadotrophin on the ovarian biochemistry in a fresh water crab, *Oziotelphusa senex senex*” in the 23<sup>rd</sup> All India Congress of Zoology & National Conference on Conservation and Management of Faunal Resources for Sustainability (CMFRS- 2012) held from 3<sup>rd</sup> to 5<sup>th</sup> October 2012 at Chennai.
55. Presented a paper entitled “ Biochemical changes during gonadal development in a fresh water crab *Oziotelphusa senex senex*” in the 23<sup>rd</sup> All India Congress of Zoology & National Conference on Conservation and Management of Faunal Resources for Sustainability (CMFRS- 2012) held from 3<sup>rd</sup> to 5<sup>th</sup> October 2012 at Chennai.
56. Presented a paper entitled “ Effect of probiotic bacteria on Crucian carp (*Carassius carassius*) survival and growth” in the 23<sup>rd</sup> All India Congress of Zoology & National Conference on Conservation and Management of Faunal Resources for Sustainability (CMFRS- 2012) held from 3<sup>rd</sup> to 5<sup>th</sup> October 2012 at Chennai.
57. Presented a paper entitled “Effects of light and endocrine tissue extracts of a



female mole crab *Emerita asaiatica* on the ovarian development of a freshwater crab *Oziotelphusasenexsenex*” in the 23<sup>rd</sup> All India Congress of Zoology & National Conference on Conservation and Management of Faunal Resources for Sustainability (CMFRS- 2012) held from 3<sup>rd</sup> to 5<sup>th</sup> October 2012 at Chennai.

58. Presented a paper entitled “Production, Partial, Purification and Characterization of free and immobilized Amylase from *Bacillus subtilis* and *Aspergillus niger* in the 23<sup>rd</sup> All India Congress of Zoology & National Conference on Conservation and Management of Faunal Resources for Sustainability (CMFRS- 2012) held from 3<sup>rd</sup> to 5<sup>th</sup> October 2012 at Chennai.
59. Presented a paper entitled “Immunostimulating influence of *Morinda tinctoria* leaf methanol extract on specific immunity in *Oziotelphusasenexsenex* (Freshwater crab) against *Vibrio harveyi* infection” in the 23<sup>rd</sup> All India Congress of Zoology & National Conference on Conservation and Management of Faunal Resources for Sustainability (CMFRS- 2012) held from 3<sup>rd</sup> to 5<sup>th</sup> October 2012 at Chennai.
60. Presented a paper entitled “Changes in Hematological parameters in against *Vibrio harveyi* infected *Oziotelphusasenexsenex* (freshwater crab) by *Morinda tinctoria* leaf methanol extract” in the 23<sup>rd</sup> All India Congress of Zoology & National Conference on Conservation and Management of Faunal Resources for Sustainability (CMFRS- 2012) held from 3<sup>rd</sup> to 5<sup>th</sup> October 2012 at Chennai.
61. Presented a paper entitled “Effect of cold stress on the gills of freshwater crab *Oziotelphusasenexsenex*- Antioxidant and ATPase activity to sustain healthy meat ” in the 23<sup>rd</sup> All India Congress of Zoology & National Conference on Conservation and Management of Faunal Resources for Sustainability (CMFRS- 2012) held from 3<sup>rd</sup> to 5<sup>th</sup> October 2012 at Chennai.
62. Presented a paper entitled “Screening the impact of differently animal wastes and probiotics on the bacterial quality during vermicomposting and vermiwash and evaluation of the effect of vermiwash on the germination of green and black gram seeds” in the 23<sup>rd</sup> All India Congress of Zoology & National Conference on Conservation and Management of Faunal Resources for Sustainability (CMFRS- 2012) held from 3<sup>rd</sup> to 5<sup>th</sup> October 2012 at Chennai.
63. Participated in National Seminar on “Status of Environment and Biodiversity: Rio +20 and Role of Space Technology” held on 2<sup>nd</sup> and 3<sup>rd</sup> November, 2012 at Haridwar.
64. Participated in the 100<sup>th</sup> Indian Science Congress Held at the Kolkata University, Kolkata from January 3<sup>rd</sup> to January 7<sup>th</sup> 2013.

65. Participated in International Coastal Cleanup Day campaign held at Chennai Marina coast by Indian Coast Guard, Department of Environment, Loyola College and Tree Foundation on 21<sup>st</sup> September, 2013.
66. Participated in the special orientation programme for the academic counsellors through Teleconference organized by IGNOU, Chennai on 9<sup>th</sup> October, 2013.
67. Presented a paper entitled “Population Dynamics of *Emerita asiatica* (H. Milne Edwards, 1837) in Relation to Salinity in the Kovalam Beach, East Coast, Kanchepuram District of Tamilnadu, India” in the “National Seminar on Threats to Biodiversity and the Ecosystem: Impacts of Developmental Projects and Climate Change” held from 17 – 19<sup>th</sup> November, 2014 at Haridwar.
68. Presented a paper entitled “Production and Application of Biolipase as Food Emulsifier” in the “National Seminar on Threats to Biodiversity and the Ecosystem: Impacts of Developmental Projects and Climate Change” held from 17 – 19<sup>th</sup> November, 2014 at Haridwar.
69. Presented a paper entitled “Phytochemical Analysis of the Flower Extract of the *Hybanthus enneaspermus* (Linn.) F. Mull” in the “National Seminar on Threats to Biodiversity and the Ecosystem: Impacts of Developmental Projects and Climate Change” held from 17 – 19<sup>th</sup> November, 2014 at Haridwar.
70. Presented a paper entitled “Identification of *Vibrio harveyi* as Causative Agent from Tailfan Necrosis of Adult Indian Sand Lobster *Thenus unimaculatus*” in the “National Seminar on Threats to Biodiversity and the Ecosystem: Impacts of Developmental Projects and Climate Change” held from 17 – 19<sup>th</sup> November, 2014 at Haridwar.
71. Presented a paper entitled “Assessing the Heterotopic Bacteria Load in Vermicomposting of Leaf Litter” in the “National Seminar on Threats to Biodiversity and the Ecosystem: Impacts of Developmental Projects and Climate Change” held from 17 – 19<sup>th</sup> November, 2014 at Haridwar.
72. Presented a paper entitled “Determination of ACE inhibitor Activity by Direct Calorimetric Method” in the “National Seminar on Threats to Biodiversity and the Ecosystem: Impacts of Developmental Projects and Climate Change” held from 17 – 19<sup>th</sup> November, 2014 at Haridwar.
73. Attended and delivered an invited lecturer in The National Conference Organised by DAV College and Indian Science Congress Association, Kanpur Chapter on Dec 9-11<sup>th</sup> 2014.
74. Attended and presented a paper in 102<sup>nd</sup> Indian Science Congress Held on January 3<sup>rd</sup>- 7<sup>th</sup>, 2015 at Mumbai.
75. Delivered an Invited Lecture in the National conference on Innovations in Life

Sciences for Sustainable development held at T.S.Narayanaswami College of Arts and Science , Navalur,Chennai on 29<sup>th</sup> January 2015

76. Attended and presented a paper in the National Conference On role of science and Technology for Indigenous India, organized by Ms.Ramaiah College for Arts and Science,Bangalore, in Association with Indian Science Congress Association,Bangalore Chapter on Oct 5-7<sup>th</sup>, 2015.
77. Invited speaker in the national level symposium in Hindustan College of Arts and Sciences, Chennai (4<sup>th</sup> February, 2016)
78. Delivered an invited lecture and co-chaired a session in the International Symposium in Davangere University, 20<sup>th</sup> – 22<sup>nd</sup>, 2016
79. Presented a paper in Indian Science Congress, 3-7<sup>th</sup> January, 2016 Mysore
80. Participated in the two day National Conference on Strategies for quality enhancement in higher education held on 15<sup>th</sup> to 16<sup>th</sup>, July 2016 organized by IQAC, Guru Nanak College, Chennai- 42
81. National Coordinator – National Conference in the Department of Zoology Bundelkhand University, Jhansi (March 4<sup>th</sup> – 6<sup>th</sup>, 2016)
82. Invited Speaker and Chair person in the National Conference. Department of Zoology, University of Rajasthan, Jaipur (Feb 8-10<sup>th</sup> 2016)
83. Chaired a session and presented a paper in the 9<sup>th</sup> NABI in the National Conference on New Biological Researches: Opportunities and Challenges for Sustainable Development in Madurai Kamaraj University (August 11-12<sup>th</sup> 2016).
84. Delivered a plenary lecture in the National Conference on impact of climate change on Biodiversity: application of recent technologies for conservation of threatened species on 22 – 24<sup>th</sup> Sep, 2016 in department of Zoology, Mizoram University, Aizwal, Mizoram.
85. Participated in National Seminar on “Innovative Technologies in Insect Science” 14<sup>th</sup> October, 2016 held at Guru Nanak College,Chennai
86. Presented a paper in the Young Scientists’ conference on faunal diversity on December 5 – 6<sup>th</sup>, 2016, held at Loyola College, Chennai.
87. Presented a paper in the National Conference on Novel approaches and concepts in Modern Microbiology held at Hindustan College of Arts and Science, Padur, Kelambakkam, Chennai on 6<sup>th</sup> Decemeber 2016.
88. Attended, Presented and Chaired a session in the International Conference and

All India Congress of Zoology held in CIFRI, Barrackpore, Kolkata on 9<sup>th</sup> – 11<sup>th</sup> June, 2017.

89. Participated in One day seminar cum awareness programme on “Prevention a. and Management of Hepatitis” July 28<sup>th</sup>, 2017 at Guru Nanak College b. (*Autonomous*), Chennai – 42.
90. Attended, Chaired a session and delivered an invited talk in the National Conference on Biodiversity Conservation and Coastal Management held in Vivekananda College, Agasteeswaram, Kanyakumari, on 10<sup>th</sup>-12<sup>th</sup> August 2017.
91. Delivered an Invited talk on Insights in Higher learning With Special reference to Zoology and inaugurated the Zoology Association of Voorhees College Vellore on 24<sup>th</sup> August 2017.
92. Participated in “Workshop on Plagiarism” conducted by Internal Quality Assurance Cell (IQAC), 27<sup>th</sup> September 2017.
93. Participated in the India International Science Festival-2017 held at Chennai on October 13-16, 2017.
94. Participated in National Seminar on Aquaculture Practices for Sustainable development in Ethiraj College for Women in Chennai on 14<sup>th</sup> October 2017.
95. Participated in two days workshop on “ Recent Advances in Biological Sciences” conducted by University of Madras Centre of Advanced Studies in Botany on 8<sup>th</sup> and 9<sup>th</sup> December, 2017.
96. Participated in the Workshop on Role and Responsibilities of Teachers in Institution Development in Ethiraj College for Women in Chennai on 18<sup>th</sup> Decemeber 2017.
97. Participated and delivered an invited talk in the National Conference on Recent Scenario of climatic change on environment and Biodiversity on 11<sup>th</sup> January 2018 in Voorhees College, Vellore.
98. Participated in the Workshop on Women Empowerment, Intellectual Property Rights and Management of Stress in Academics and Research in Ethiraj College for Women in Chennai on 18<sup>th</sup> Decemeber 2017
99. Attended, Co-Chaired a seesion and delivered an invited lecture on Natural Aphrodisiacs in the 105<sup>th</sup> Indian Science Congress held at Manipur University, Imphal from 16<sup>th</sup> March to 1<sup>st</sup> March, 2018.

100. Organising Committee Member at International Conference on “Technological Advances in Agricultural, Animal and Medical Sciences for Better Quality of Life” held on 2<sup>nd</sup> March, 2018 organized by the Departments of Advanced Zoology and Biotechnology, Plant Biology and Biotechnology, Biotechnology and G.S.Gill Research Institute, Guru Nanak College, Velachery, Chennai.
101. Delivered an Invited Lecture in National level Seminar on Scientific and Technological Development for the welfare of Humanity held at Syed Ammal Arts and Science College, Ramanathapuram on 5<sup>th</sup> & 6<sup>th</sup> April 2018.
102. Delivered an Invited Lecture in National Conference on Natural Resources and Ecological Balance in Coastal Environment, held at Vivekananda College, Agasteeswaram, Kanyakumari on 12<sup>th</sup> to 13<sup>th</sup> April 2018.
103. Participated in the Faculty Development Program conducted by Layam Talent Academy foundation on 28<sup>th</sup> & 29<sup>th</sup> of May 2018.
104. Attended, delivered an invited lecture and chaired a session in the National Seminar on, “Researches in Environment and Bioscience Current Scenario and Future Perspectives organized by DAV (PG) College, Dehredun on 22<sup>nd</sup> – 23<sup>rd</sup> June, 2018.
105. Participated in the Seminar on “Higher Education in India: Challenges and Prospects” organized by AUT on 15<sup>th</sup> July 2018 at Hotel Kanchi, Chennai-600008, Tamilnadu.
106. Delivered an invited talk on Insights into higher learning with special reference to Zoology as resource person for the Endowment Lecture at Holy Cross College, Nagercoil on 6<sup>th</sup> August, 2018.

#### **ORIENTATION/REFRESHER COURSES ATTENDED**

- Attended the orientation course conducted by Academic staff College, University of Madras from 18.01.2002 to 14.02.2002.
- Attended the Refresher course in Nano sciences conducted by Academic staff College, University of Madras from 11.11.2009 to 1.12.2009.
- Attended the Refresher course in Life sciences conducted by Academic staff College, University of Madras from 04.02.2010 to 24.02.2010.

#### **SEMINARS/WORKSHOP/SYMPOSIA CONDUCTED**

1. Organized a NATIONAL ENVIRONMENTAL AWARENESS CAMPAIGN 2006 -2007 “SOLID WASTE MANAGEMENT” sponsored by Ministry of Environment and Forestry, Govt. of India at Guru Nanak College – 8th March

2007.

2. Coordinated the student members and participated in the coastal cleanup day 2008 conducted by South Asia – Cooperative Environment Programme, United Nation and Environment programme and Indian coast guard.
3. Coordinated the student members and participated in the coastal cleanup day 2009 and won the first prize for coordinating the best team in the programme conducted by South Asia – Cooperative Environment Programme, United Nation and Environment programme and Indian coast guard.
4. Conducted an Environmental Awareness rally on “Smokeless Bhogi”-2004
5. Coordinated the student members and participated in the coastal cleanup day 2010 and won the consolation prize, conducted by South Asia – Cooperative Environment Programme, United Nation and Environment programme and Indian coast guard.
6. Coordinated the student members and participated in the coastal cleanup day 2011 conducted by Indian coast guard and Loyola College Chennai.
7. Coordinated the student members and participated in the coastal cleanup day on September 2012 conducted by Indian coast guard and Loyola College Chennai.
8. Organized a National conference and 23<sup>rd</sup> All India Congress of Zoology on Conservation and management of Faunal Resources for Sustainability 2012.
9. Coordinated the student members and participated in the coastal cleanup day on September 2013 conducted by Indian coast guard and Loyola College Chennai.
10. Coordinated the student members and participated in the coastal cleanup day on September 2014 conducted by Indian coast guard and Loyola College Chennai.
11. Coordinated the student members and participated in the coastal cleanup day on September 2015 conducted by Indian coast guard and Loyola College Chennai.
12. Coordinated and served as a selection committee member for Science communicators meet 2015, held in G.S.Gill Research Institute, Guru Nanak College, Chennai-42.
13. Organized and served as an organizing committee member in State level seminar on Science for Indigenous India – 28<sup>th</sup> March, 2016 in Guru Nanak College, Chennai-42.

15. Organized and served as an organizing committee member in One day National seminar on “Innovative Technologies in Insect Science” 14<sup>th</sup> October, 2016 held at Guru Nanak College, Chennai
16. Organized and served as a National Science Day in SRM University –28th Feb 2016
17. Served as the National Coordinator, Chaired and delivered lecture in the National Conference on Environmental Protection and Sustainability held in Sri Theagaraya College, Chennai on 31<sup>st</sup> Dec, 2016 and 1<sup>st</sup> Jan, 2017.
18. Served as the National Coordinator, Chaired and delivered lecture in the National Conference on Biodiversity Conservation and Coastal Management (NCBCCM) held in Vivekananda College, Agasteeswaram – 629701, Kanyakumari on 10<sup>th</sup> -12<sup>th</sup> August, 2017.
19. Served as the Organising committee member and organized an International Conference on Technological Advances in Agricultural, Animal and Medical Sciences for better quality of Life at Guru Nanak College, Chennai-42 on 2<sup>nd</sup> March 2018.

#### **EXTENSION ACTIVITIES**

- Academic Counselor – IGNOU – 2002 to till date
- Co-ordinator Enviro Club- Guru Nanak College from 2003 to till date.
- Secretary, Guru Nanak College Teacher’s Association for 2012-14.
- Honorary Executive Editor (2013-2015). Life Science Bulletin, Satna. M.P.
- Associate Editor (2013-2015). National journal of Life Science, Satna. M.P.
- Member Board of Directors, Guru Nanak College, Staff Cooperative thrift society (2013- 2018).
- Member Board of studies (Zoology), Governments Arts College, Ponneri (2013- 2015)
- Academic Council Member, SDNB Vaishnav College for Womens, Chrompet, Chennai – 44 (2014 – 2016).
- Editorial Secretary, Journal of Environment and Biosciences, Haridwar (2016 – till date)
- Member Board of studies (Zoology), The New College, Chennai (2016- 2018).
- Academic Council Member, Governments Arts College, Ponneri (2015- 2016).
- Academic Council member, Stella Maris College, Chennai (2016 – 2018).

- Member Board of studies (Zoology), Tiruvalluvar University, Serkadu, Vellore (2015-2017)
- Question Paper setter and Examiner in Zoology for M.Sc., M.Phil., in SRM University, Ambedkar Govt. Arts College, Chennai, The New College, Chennai, Bharathi Women's Govt. Arts College, Chennai, Quaide Millath Govt. Arts College for Women, Abdul Hakeem College, Melvisharam, Vellore., Meenakshi College for Women, Chennai, Vivekananda College, Chennai.
- Served as Doctoral Committee member for Ph.D research in Loyola College, Chennai, Sir Theagaraya College, Chennai, Madras Christian College, Chennai and The New College and Govt. Arts College, Nandanam, Chennai.
- Served as External examiner for Ph.D. Viva voce examination in Dept. of Endocrinology, IBMS, University of Madras, Loyola College, Sir Theagaraya College, Madras Christian College, Chennai and Voorhes College, Vellore.
- Subject expert, College Nominee for the selection of Assistant Professors in Zoology, Pachaiyappa's College, Chennai 2013, 2014.
- Selection Committee Member, SRF Selection, Dept. of Biochemistry, University of Madras, Chennai-2014.
- Selection Committee member, Indian Science Congress Association nominee for the selection of Science communicator 2016, 2017 and 2018.
- Sectional Committee member, Animal, Veterinary and Fishery Sciences, Indian Science Congress Association, 2012 and 2015.
- Ph.D. thesis evaluator and member in board of examiners in Dr. Baba Saheb University, Aurangabad, B. N. Mandal University, Madhepura, Bihar, L. N. Mithila University, Darbhanga, Bihar, Manonmaniam Sundaranar University, Tirunelveli and Tiruvalluvar University, Vellore, Tamil Nadu.
- Served as an Inspection committee member for sanctioning additional strength in MPhil Biotechnology in Women's Christian College, Chennai on 12<sup>th</sup> July 2017.
- Treasurer, Association of University Teachers, Guru Nanak College Unit-2014-16.
- Joint Secretary, Association of University Teachers, Guru Nanak College Unit-2016-till date
- Vice President, Guru Nanak College Teacher's Association for 2016-till date.



- President, Guru Nanak College, Staff Cooperative thrift society (2018- till date).

### **PERSONAL DETAILS**

Date of Birth : 29.09.1966  
Age : 52years  
Academic qualifications : M.Sc., M.Phil., Ph.D. PGDESD  
Languages Known : English, Tamil, Hindi (only spoken)

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### **DECLARATION**

I declare that the details furnished in this resume are true to the best of my knowledge.

Place: Chennai

Date:

**(M.G.RAGUNATHAN)**

