

Dr.R.KRISHNAMOORTHY
M.Sc., M.Phil., Ph.D., P.G.D.C.A., D.C.S.,
32/A, Duraisamy puram Palakkarai,
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1. Teaching Experience :

Assistant Professor From February-2016 to till date at Department of Zoology, **Jamal Mohamed College**, Trichy-23.

Lecturer From July-2011 to December 2014 at **Department of Biotechnology, School of Life science, Bharathidasan University**, Trichy-24.

Lecturer From July-2008 to Feb. 2011 at Department of Zoology (**Genetechnology**), **Periyar E.V.R. (Govt.) College** , Trichy-23.

Lecturer From July-2005 to June-2008 at **Department of Biotechnology, Pavendar Bharathidasan College of Arts and Science**, Trichy-24.

Lecturer From July-2004 to June2005 at **Department of Biotechnology, Pavendar Bharathidasan College of Engineering and Technology**, Trichy-24.

S.No 14. Ref.5832/ D5/ 2006 / 14.04.2007, staff approval from Bharathidasan University.

2. Research Experience:

i) **Research Project:**

As a Junior Research Fellow (JRF) and Senior Research Fellow (SRF) in the major research project titled “**A STUDY ON WATER QUALITY AND LITTORAL BENTHOS FOR BIOLOGICAL IMPACT ASSESSMENT IN THE VICINITY OF MAPS THERMAL OUT FALL**” Sponsored by Department of Atomic Energy – Board of Research in Nuclear Sciences, Govt. of India, from Feb. 2000 to March 2004 at Environmental Research Lab, P.G.Dept. of Zoology , Jamal Mohamed College, Tiruchirappalli-20.

S. No	Nature of the Position	Broad Area of Project /Dissertation	Period		Total Experience	
			From	To	Year	Month
1.	M.Phil.,	Radiation Ecology	1999	2000	1	5
2.	JRF	Thermal Ecology	May- 2000	April - 2002	2	0
3.	SRF	Thermal Ecology	May-2002	March-2004	1	11
4.	Ph.D	Zoology	October-2000	June-2004	3	8

3. Field of Research :

a) Radiation Ecology b) Thermal Ecology c) Biomonitoring of Aquatic Pollution and Water Quality Parameters d) Fish Stock Assessment e) Plankton Studies f) Environmental Microbiology

4. Research Adviser:

Ph.D, in Zoology -PRIST University.Ref. No. Zoology 201/2008./Date 12.12.2009.

M.Phil, in Biotechnology -Bharathidasan University.Ref. No. 18082/M.Phil./R.A.

M.Phil, in Zoology -Periyar University.Ref. No. 18082/M.Phil./R.A./Date .

Research Guidance M.Phil 12 M.Sc 5

5. Membership in Academic Bodies:

- ✓ Life Member in Indian Association for Radiation Protection .
- ✓ Life Member in Tamil Nadu Scientific Research Organization.
- ✓ Life Member in Scientific and Technical Research Association.
- ✓ Life Member in IJRULA
- ✓ Member in Academicians and Researchers Association.
- ✓ Member in Tamil Nadu Science Forum.
- ✓ International Society of Zoological Sciences (Member No. 1339-I) - China.

6. Award

- 1) Received **National Award for best paper**, Presented by Science Per Second National English Magazine, India
- 2) Received **Har Gobind Khorana Best Young Scientist Award-2012-13**, Presented by Tamil Nadu Scientific Research Organization, India
- 3) Received **DST Young Scientist Award-2015**, Presented by Department of Science and technology, Government of India
- 4) Received **Outstanding Researcher in Environmental Science-Radiation Award-2018**, Presented by RULA, India and Malaysia.
- 5) Received **Best Researcher Award-2019**, Presented by VD Good Professional Association, India.
- 5) Received **Distinguished Senior Faculty Award in Zoology-2019**, Presented by **William Research Center, Nagarcoil, India.**

7) Research Project Carried out

Title of the Project Remarks	Name of the Funding Agency	Amount / Duration
Principal Investigator		
Study on the Biodiversity, Industrial Pollution and Distribution and Bioaccumulation of Natural Radionuclides from Pulicat Lagoon, Southeast Coast of India	Department of Science and Technology, New Delhi	Rs.31 lakhs / 2016-2010

8. Publication

- Edit of the Workshop manual “**Workshop on Electrophoretic Techniques (WET)**” held at Department of Biotechnology, Pavendar Bharathidasan College of Arts and Science, Trichy-24, during October 3-4, 2005
 - Author for “**Natural Radiation**”, LAP, Germany
 - Author for “**Ooyrithozhil Nootpavial Oor Arputham (Biotechnology)**”- Tamil book
 - Author for “**Global Warming**” - Tamil book

7. Book Article

- ❖ Syed Mohamed.H.E., **Krishnamoorthy.R**, Venugopalan.V.P and Shahul Hameed.P. 2006 “A study on the water quality and sub-littoral Micro Benthos in the vicinity of Madras Atomic Power Station thermal outfall(Kalpakkam, East coast of India, Arid land Hydrogeology: In search of a solution to a threatened resource, **Taylor and Francis Group- London**, pp- 85-91
- ❖ **Krishnamoorthy.R**, Sadiq Bukhari. A, Ravi kumar.S and Shahul Hameed. P, 2004. A Study on the distribution of naturally occurring radionuclides in the ecosystem of Athangarai estuary, Palk Strait. **Allied Publication PVT. LTD**, India. pp. 187- 194.
- ❖ Shahul Hameed.P., Syed Mohamed.H.E and **Krishnamoorthy.R.**, 2007. Biological Impact Assessment of thermal discharge in the Vicinity of Madras Atomic Power Station, **Kalpakkam**, India, Mitigation of Pollution for Clean Environment, **Macmillan India LTD**. pp 39-45
- ❖ **R.Krishnamoorthy**, T.Ravimanickam, H.E.Syed Mohamed, M.Kathir Sevam and P.Shahul Hameed. 2014, A Survey on the naturally occurring radionuclides in different types of soil in Perur Pnachayat, Tiruchirappall (Tamil Nadu), Concentration of Biodiversity using Biotechnological Approaches, (**Elsevier**)pp.83-88
- ❖ T.Ravimanickam, J.Poonguzhali, J.Antony Caesar, A.Devatha, S.S.N.Somasundaram and **R.Krishnamoorthy.**, 2014, Biochemical investigation of ink gland in *Sepia officinalis* and application in textile industry, Concentration of Biodiversity using Biotechnological Approaches, (**Elsevier**)pp.173-176

9. Journals

1. **Krishnamoorthy.R**, Syed Mohamed.H.E. and Shahul Hameed.P. 2005 “Temperature effect on equilibrium loss and tolerance limit of the fish fingerlings of *Mugil cephalus*”. International Journal of Pollution Research. 24: 283-286.
2. Nargis Beggum.T, Muhammad Ilyas. M.H, Prasana.R, Jaswanth.A and **Krishnamoorthy.R**, 2005. Wound healing activity of *Azima tetracanthalam* on Albino rats. International J. of Biosciences, Biotechnology Research Asia, Vol. 3(2): 387-390
3. Shahul Hameed.P., **Krishnamoorthy.R.**, Syed Mohamed.H.E. and Venugopalan.V.P., 2005. Dissolved oxygen profile in the vicinity of Madras Atomic Power Station, East coast of India, Kalpakkam. Journal of Environmental Geochemistry, Vol. 8, pp. 205-209.
4. **Krishnamoorthy.R.**, Shahul Hameed.M.M., Ravikumar.S and Shahul Hameed.P. 2005. A study on Polonium-210 distribution and internal radiation dose to the fisherman due to consumption of Koraiyar river food, Tiruchirappalli -India. J. of Indian Society of Toxicology. Vol.2 (1) pp.48

5. **Krishnamoorthy.R**, Ravikumar.S and Shahul Hameed.P, 2006, A comparative study on the internal dose of Polonium-210 in the Ecosystem of Athangarai estuary (Palk Strait) and Punnakayal estuary (Gulf of Mannar),India. IARP- Journal of Radiation Protection and Environmental. Vol. 29(1-4): pp. 13-15
6. **Krishnamoorthy.R.**, Shahul Hameed.M.M., Ravikumar.S Masilamani.V. and Shahul Hameed.P. 2007. A study on the distribution of naturally occurring radionuclides in the ecosystem of Koraiyar river, Tiruchirappalli. Indian Journal of Environmental Protection. Vol: 27(3) :256-259.
7. **Krishnamoorthy.R.**, Syed Mohamed.H.E, Sadiq Bukhari.A, Kathir Selvan.M. and Shahul Hameed.P. 2007. "A survey on the naturally occurring radionuclides in different types of soil in Perur Panchayat, Tiruchirappalli (Tamil Nadu)". J of Env. Geochemistry. vol.22(1):pp.167-173
8. **Kirshnamoorthy.R**, Sadiq Bukhari.A, Shahul Hameed.M.M, Syed Mohamed. H.E and Shahul Hameed.P, 2007. A radiological survey in the ecosystem of Athangarai estuary (Palk Strait) India, J. of Marine Biological Association India. Vol 48 (2): pp.229-232.
9. **Krishnamoorthy.R.**, Syed Mohamed.H.E, Shahul Hameed.M.M., and Shahul Hameed.P, 2007. A study on polonium-210 distribution and internal radiation dose to the fishermen due to consumption of in Koraiyar river food, Tiruchirappalli- India, Asian J. of Microbiology, Biotechnology and Environmental Sciences. Vol. 9(3): pp.491-496.
10. **Krishnamoorthy.R**, Syed Mohamed.H.E, Subba rao.T, Venugopalan.V.P and Shahul Hameed.P, 2008. Temperature effect on behaviour, oxygen consumption, ammonia excretion and tolerance limit of the post larvae of shrimp *Penaeus indicus*, Journal Environmental Science and Engineering, Vol.50 (1). pp.29-32
11. **Krishnamoorthy.R**, Syed Mohamed.H.E, Sadiq Bukhari.A, Shahul Hameed. M.M and Shahul Hameed.P, 2008, Radioecological Studies In Koraiyar River Ecosystem, Tiruchirappalli J. Ecotoxicology and Environment Monitoring Vol.18 (6). pp.573-580.
12. **Krishnamoorthy.R**, Syed Mohamed.H.E and Shahul Hameed.P, 2008, Temperature effect on behaviour, oxygen consumption, ammonia excretion and tolerance limit of the fish fingerlings of *Alepes djidaba*, Journal Environmental Science and Engineering, Vol.50 (3). pp.169-174
13. **Krishnamoorthy.R**, Masilamani.V., Sadiq Bukhari.A., Syed Mohamed.H.E. and Shahul Hameed.P. 2008. Comparative Study on the Polonium-210 Distribution in the seaweeds, saegrass and mangroves in the estuarine and marine ecosystem of South Tamil Nadu, Seaweed Research Utilization. Vol. 30 (1&2) 79- 83.
14. **Kirshnamoorthy.R**, Palaniappan.M.K, Syed Mohamed. H.E, Sadiq Bukhari.A, and Shahul Hameed.P, 2009. A Study On The Naturally Occurring Radionuclides Distribution In The Punnakayal Estuary, Gulf Of Mannar, India J Eco., Env. and Conservation, Vol 15(3):571-576
15. Radhika .K and **Krishnamoorthy.R** 2010.Effect of copper sulphate on Histopathological changes in the fresh water fish *Oreochromis mossambicus*. Journal Ecotoxicology and Environment Monitoring Vol. 20(5): 481- 435.

16. Syed Mohamed.H.E, **Krishnamoorthy.R**, Venugopalan.V.P and Shahul Hameed.P, 2010, Thermal Ecological Studies in relation to macro benthos in the vicinity of Madras Atomic Power Station, Kalpakkam coast (Bay of Bengal), J. Eco., Env. and Conservation. Vol 16 (2): 175-179.
17. **Krishnamoorthy.R** and K. Radhika, 2010. Quality of Drinking water available in Musiri and Thuraiyur Taluks. Journal Ecotoxicology and Environment Monitoring Vol. 20(6): 515-521.
18. Sekar, P., George John., Balasundaram.A., **Krishnamoorthy.R.**, Babunath,R. and Aneez Mohamed,M., 2011. Performance evaluation of hatchery technology for the prawn, *macrobrachium rosenberdii* (de man) in EMK prawn farm, Thanjavur..” International Journal of current research. Vol.(3):51-53.
19. Saiyad Musthafa. M and **Krishnamoorthy. R**, 2011 Estimation of 210Po and 210Pb and its dose to human beings due to consumption of marine species of Ennore Creek, South India, Environ Monit. Assess DOI 10.1007/s10661-011-2417-8.
20. Sekar,P., George John., Balasundaram,A., **Krishnamoorthy.R.**, Babunath,R. and Aneez Mohamed,M., 2011. Cation concentration in muscle, gonad, hepatopancreas in the freshwater crab *paratelphusa hydrodromous.*” International Journal of current research. Vol.(3):47-50.
21. Saiyad Musthafa. M and **Krishnamoorthy. R**,2011 Assment of committed effeptive dose to human beings due to consumption of fishes collected from pulicat lagoon, South India, IARP – Journal of Radiation Protection and Environmental. 34(1):110-103.
22. Bupesh.G, Amutha.C, Senthil Raja.R, Manoharan.N, **Krishnamoorthy.R** and Subramanian.P, 2012 Hepatoprotective Efficacy of *Hypnea muciformis* Ethanolic Extract on CCl₄ Inducted Toxicity in Rats, Vol.55(6): 709-718.
23. N.Kannadasan., Nirmala Natarajan, N.Anbusaravanan., P.Sekar and **R.Krishnamoorthy**, 2013. Assessment of sustainable vermiconversion of water hyacinth by *Eudrikus eugeniae* and *Eisenia fetida*, Journal of Applied and Natural Science, 5(2): 451-454.
24. N.Kannadasan., P.Sekar., T.Cholan and **R.Krishnamoorthy**, 2013. The Impact Of Environmental Characteristics On The Growth Of Indian Major Freshwater Carps, International Journal of Current Research Vol. 5(4): 762 - 764.
25. **Krishnamoorthy, R.** and N.Kannadasan, (2015) Bioconversion of textile sludge employing the earth worm *eisenia fetida* and its impact on the growth of *Cajanus cajan*, International Journal of Nano Corrosion Science and Engineering pp. 84-90
26. Kannadasan, N., N.Nirmala Natarajan and **R. Krishnamoorthy** (2015) Effect of earthworms on dairy wastewater treatment through vermifiltration, International Journal of Nano Corrosion Science and Engineering pp. 91-98
27. Kannadasan, N.,N.Nirmala Natarajan and **R.Krishnamoorthy** (2015), A study on potential vermiconversion derived from dairy wastewater sludge and in agricultural use, International Journal of Nano Corrosion Science and Engineering, pp. 98- 107
28. Sekar, P., Kalpana, S., Ganga, S., George John, Kannadasan, N. and **Krishnamoorthy.R**, (2016) Studies On The Growth Parameters And Cocoon Production In *Bombyx mori*, Fed On Mulberry Leaves Fortified With a Putative Probiot, *Lactobacillus casei*. International Journal of Current Research, 8(4):29127-29132.

29. Krishnamoorthy, R and Basith, O. (2018), Assessment of Well Water Quality in Koraikuppam Village, Tiruvallur District, International Journal of Scientific & Engineering Research Volume 9, Issue 6, PP.66-71
30. Krishnamoorthy, R., Basith, O., Syed Mohamed, H.E. and Sadiq Bukhari. A (2018), A study on the natural radioactivity level in some edible fish in different ecosystem, International Journal of Scientific & Engineering Research Volume 9, Issue 6, PP.52-59

10. Invited Lectures in Seminar

- **Over view on Biotechnology** in the one day “Seminar on Current status of Zoological Studies” organized by National College, Trichy, during Feb. 19, 2009.
- **Climate Change and its Impact on biodiversity Conservation** in the one day “National Environmental Awareness Campaign (Climate Change)” Organised by Tamil Nadu Scientific Research Organization, Pudukkottai, during Feb..10, 2010.
- **Biodiversity conservation for Sustainable Agriculture** in the one days “National Conference on Sustainable Agriculture” Organised by Tamil Nadu Scientific Research Organization, Pudukkottai, during May.22-23, 2010.
- **Introductory Notes on Molecular Marker and Herbal Drug Technology** in the three days “Workshop on DNA Based Molecular Marker Herbal Drug Technology,” held at Sri Bharathi Arts & Science College, Pudukkottai, during Feb..8-10, 2011.
- **Role of Natural Sciences in Promotion of Food Security in the one day** “National Conference on Natural Sciences” Organised by Tamil Nadu Scientific Research Organization, Pudukkottai, during Dec. 17, 2011.
- **Radiation Biology** in the two days “National Seminar on Recent Advances in Life Science” Organised by H.H. The Rajah’s College, Pudukkottai, during Dec.28 & 29, 2011.
- **Thermal Ecological Studies** in the one day “Seminar on Environment and Biodiversity Conversation – ENBICON-2012” Organised by H.H. The Rajah’s College, Pudukkottai, during Feb.22, 2012.
- **The effect of dye effluent in water and fishes of Noyyal river bed and dyeing sludge waste management through vermintechnology** in the three days “National Conference on Agricultural Biotechnologies for sustainable food security” Organised by Tamil Nadu Scientific Research Organization, Pudukkottai, during Mar.22-24, 2013.
- Awareness about **Radiation and Nuclear Energy** to School teachers, Teacher Education College, Perambalur, on 11.12.2018
- **Modern Teaching tolls** in Five days TNSCST Sponsored In-service Training Programme for Science Teacher, Govt. Arts and Science College, Veppanthattai, 04-08/02/2019.
- **Distribution of Natural Radiation in the Environment** in two-day International Conference at Guwahati University, 23-24/0/2019
- **Different Project Funding Agencies India and Higher Education institutes** in National Workshop on Research Methodology, Queens College of Arts and Science for women, Thanjavur from 19-24/April/ 2021.

11. International Seminar Proceeding:

1. **Krishnamoorthy.R,** Syed Mohamed,H.E., and Shahul Hameed.P. 2004 “Temperature effect on equilibrium loss and tolerance limit of the fish fingerlings of

Mugil cephalus". Proceeding of International Seminar on Ecotechnology for Sustainable Development, pp.108-109.

2. Syed Mohamed.H.E., **Krishnamoorthy.R**, Venugopalan.V.P and Shahul Hameed.P. 2004 "A study on the water quality and sub-littoral Micro Benthos in the vicinity of Madras Atomic Power Station thermal outfall(Kalpakkam,East coast of India)". Proceeding of Third UAE-Japan Symposium on Sustainable GCC Environment and Water Resources, pp. 68-69.
3. **Krishnamoorthy.R**, T.Ravimanickam, Syed Mohamed.H.E, Kathir Selvan.M, and Shahul Hameed.P. "A Radiological survey in different types of soil". Proceeding of International Conference on Biotechnological Approaches in Bioresource Management, pp.80.
4. Ravimanickam,T. Poonguzhali.J, Antony Cesear. J. and **Krishnamoorthy.R**, "Biochemical investigation of ink gland in *Sepia officinalis* and its application in textile industry". Proceeding of International Conference on Biotechnological Approaches in Bioresource Management, pp.124.
5. **Krishnamoorthy.R**, Renuga.D and Anbusaravanan.N, 2010. The effect of textile dyeing effluents on fresh water fish *Labeo rohita* and *Oreochromis mossambicas*, Proceeding of International Symposium on Trace Organic Pollutants in the Environment, pp.77
6. **Krishnamoorthy.R**, and Stella Mary. S, 2010. A study on the biochemical changes in the fresh water fish *Catla catla* subject to different pollutants. Proceeding of International Symposium on Trace Organic Pollutants in the Environment, pp.78.
7. Meeramaideen.M and **Krishnamoorthy.R**, 2016. A study on the water quality and biodiversity in Sarabanga river Namakkal district, Tamilnadu. Abstract of International Conference on Conservation of 100th Chapter of OISCA- International South India at Trichy. pp.36
8. **Krishnamoorthy.R**, Basith. O and Syed Mohamed. H.E. 2017, Activity concentration of ²¹⁰Po and ²¹⁰Pb in different aquatic system, Tamilnadu. International Symposium on Bioscience research for present and future.pp-21
9. Christobher,S, Periyasamy.M, Syed Mohamed,H.E, Sadiq Bukhari.A and **Krishnamoorthy.R**. 2017, Assessment of Radiation dose from ²¹⁰Po And ²¹⁰Pb due to tobacco products in Tiruchirappalli, Tamilnadu. Proceedings of International Symposium on Bioscience research for present and future.pp-23
10. **Krishnamoorthy. R**, and Basith.O, 2018. Assessment of well water quality in Chatankuppam Village, Tiruvallur District proceedings of international conference on Molecular Advances In Biomedical Research.pp-59
11. Basith.O Christobher,S, Periyasamy.M, Syed Mohamed,H.E, Sadiq Bukhari.A and **Krishnamoorthy.R**. 2018, Activity Concentration Of ²¹⁰Po and, ²¹⁰Pb In Different Aquatic System, Tamil Nadu. Proceedings of International conference on Molecular Advances in Biomedical Research. pp-61

12. **Krishnamoorthy. R** and Basith.O, 2018. A Study On The Diversity And Abundance Of Fungi In Pulicat Lagoon, South East Coast Of India, International Conference Biodiversity strategies for conservation and sustainable utilization. pp-47
13. Basith.O and **Krishnamoorthy. R**,2018. Biodiversity Of Zooplankton Population In Pulicat Lagoon, South East Coast Of India, International Conference Biodiversity Strategies For Conservation And Sustainable Utilization. pp-45
14. **R.Krishnamoorthy*** and O.Basith , (2018), A Study On The Diversity And Abundance Of Bacteria In Pulicat Lagoon, South East Coast Of India, International Seminar on Novel Avenues in Environmental Issue and Protection (BIOENVIRON), Vol.1., pp.61-62.
15. **R.Krishnamoorthy**, H.E.Syed Mohamed, A. Sadiq Bukhari and P.Shahul hameed, (2018), Lead-210 Activity In Some Fresh Water Fish, Koraiyar River,Tiruchirappalli, International Seminar on Novel Avenues in Environmental Issue and Protection (BIOENVIRON), Vol. 1.pp.63-64.
16. **R.Krishnamoorthy*** and O.Basith , (2018), Assessment Of Well Water Quality In Chatankuppam Village, Tiruvallur District, International Conference on molecular advances in biomedical research (ICMABR) Vol.1, pp. 83-84
17. O.Basith, S.Christoper, M.Periyasamy, H.E.Syed Mohamed , A.Shadiq Bukhari and **R.Krishnamoorthy***, (2018), Activity Concentration of ^{210}Po And ^{210}Pb in Different Aquatic System, Tamil Nadu, International Conference on molecular advances in biomedical research (ICMABR) Vol.1, pp. 85
18. O.Basith, J.Mohamad Rafeeh, A.A.Mohamed Ibrahim and **R.Krishnamoorthy**, (2018), Diversity Of Bacterial Population In The Some Temple Pond Water, Tiruchirappalli, International Seminar on emerging trends in biological research(ETBR 2018), pp.81-84.
19. J. Mohamad Rafeeh, O. Basith, A.A. Mohamed Ibrahim and **R.Krishnamoorthy**, (2018), Biodiversity Of Bacterial In The Some Temple Pond Water, Tiruchirappalli, International Seminar on emerging trends in biological research(ETBR 2018), pp.85-88

12. National Seminar Proceeding

1. Ravikumar.S Masilamani.V., **Krishnamoorthy.R.**, Palaniappan,M.K., and Shahul hameed.P, 2001. "A Comparative Study on the Distribution of Polonium-210 in the Ecosystem of Athangarai Estuary (Palk Strait) and Punnaikayal Estuary (Gulf of Mannar)" Proceeding of National Seminar on Atomic Energy Ecology and Environment pp.135-142.
2. Shahul Hameed.P., **Krishnamoorthy.R.**, Syed Mohamed.H.E., Anupkumar.B., Venugopalan.V.P and Narasimhan S.V, 2002. "A Study on the coastal water quality parameters in the vicinity of thermal outfall of Madras Atomic Power Station, Kalpakkam" Proceeding of DAE-BRNS Symposium on Thermal Ecology" pp71 – 80

3. **Krishnamoorthy.R.**, Syed Mohamed.H.E., Raja.P., Shahul Hameed.M.M., and Shahul Hameed.P. 2004. "A study on the polonium-210 distribution in Koraiyar river ecosystem, Tiruchirappalli- India". Proceeding of Thirteenth National Symposium on Environment, pp.266-271.
4. Raja.P., Sadiq Bukhari.A., **Krishnamoorthy.R**, Shahul Hameed.M.M., and Shahul Hameed.P, 2004. "A study on the distribution of alpha emitting radionuclides, Polonium-210 in the Pitchavaram mangrove forest, southeast coast of India (Bay of Bengal)". Proceeding of Thirteenth National Symposium on Environment, pp.427-431.
5. **Krishnamoorthy.R**, Syed Mohamed,H.E., Subba rao.T, Venugopalan.V.P. and Shahul Hameed.P, 2005. Effect of temperature on behaviour, loss of equilibrium and tolerance limit of the post larvae of shrimp *Penaeus indicus*, Proceeding of National seminar on Atomic Energy, Environment and Human Welfare. Pp.58-61.
6. Sadiq Bukhari.A, **Krishnamoorthy.R**, Syed Mohamed,H.E., Rajasekaran., Raja.P, Shahul Hameed.M.M and Shahul Hameed.P, 2005. Thermal tolerance study in the fresh water mussel *Lamellidens marginalis*, Proceeding of National seminar on Atomic Energy, Environment and Human Welfare. Pp.68-70.
7. Ravimanickam,T. **Krishnamoorthy.R**, Sadiq Bukhari.A, Shahul Hameed.M.M. and Shahul Hameed.P, 2005. A study on the distribution of natural radionuclide polonium-210 in the ecosystem of Mandapam Coast (Palk strait). Proceeding of National seminar on Atomic Energy, Environment and Human Welfare. Pp.73-76.
8. **Krishnamoorthy.R**, S.Ravikumar and P.Shahul Hameed, 2005, A comparative study on the internal dose of Polonium-210 in the Ecosystem of Athangarai estuary (Palk Strait) and Punnaikayal estuary (Gulf of Mannar), India. IARP-Proceedings of National Conf. on Occupational and Environmental Radiation Protection.Pp.425-427.
9. Ashok Augustine Raj.K., Subramanian,V and **Krishnamoorthy.R**, 2005. "Computer aided drug design by using docking and scoring". National Level Conference on Tends and Application in Bioinformatics, TAB-2005, pp.25-37.
10. Subramanian,V., Sudhakar,J., Ashok Augustine Raj, K and **Krishnamoorthy.R** 2005 "Colour removal treatment of tannery effluent by adsorption and coagulation techniques ". Proceeding of National Level 2nd Biological Congress on Perspective and Future Trends in Biological Sciences, pp. 78.
11. Sudhakar.J. Krishna Prasad.R and Krishnamoorthy.R, 2005. "Decolorisation of distillery spent wash by adsorption and coagulation techniques". Proceeding of National Seminar on Advances in Biological Sciences, pp. 71.
12. **Krishnamoorthy,R.**, Subramanian,V., Saravananaraj.O., Ashok Augustine Raj, K and T.Ravimanikam. 2005. "A study on the microbial population in river water, Tiruchirappalli.. Proceeding of National Symposium on Recent Development in Biological Sciences, pp.31
13. Ashok Augustine Raj,K., Parathasarathy.A and **Krishnamoorthy.R**, 2005. Study on the measurement of biological systems weight by using data mining techniques, Proceeding of National Level Seminar on Bio Xplore-05, pp.1-2.

14. **Krishnamoorthy.R.**, Krishnaraj.M., Ashok Augustine Raj. And K.,Sudhakar,J. 2005. A study on the medicinal important plant". National Symposium on Emerging Trends in Biotechnology and Bioinformatics, pp.59.
15. **Krishnamoorthy.R.**, Arunkumar.V., Ashok Augustine Raj,K. and Sudhakar.J. 2005. "A study on the microbial population in PABCET environment, Tiruchirappalli. Proceeding of National Symposium on Emerging Trends in Biotechnology and Bioinformatics, pp.55.
16. **Krishnamoorthy.R.**, Shahul Hameed.M.M., Ravikumar.S and Shahul Hameed.P. 2005. A study on Polonium-210 distribution and internal radiation dose to the fisherman due to consumption of Koraiyar river food, Tiruchirappalli-India. Proceeding of the inaugural Conference of the Indian Society of Toxicology. Pp.48.
17. **Krishnamoorthy.R.**, Syed Mohamed.H.E., Subba rao.T., Venugopalan.V.P. and Shahul Hameed.P.2006, Hydrographical studies in relation to thermal discharge in the vicinity of Madras Atomic Power Station, Kalpakkam coast (Bay of Bengal), Proceeding of National Conf. on Water and Waste water Management. Pp.81-83
18. Syed Mohamed.H.E., **Krishnamoorthy.R.**, Subba rao.T., Venugopalan.V.P. and Shahul Hameed.P.2006, Thermal Ecological studies in relation to macro benthos in the vicinity of Madras Atomic Power Station, Kalpakkam coast (Bay of Bengal), Proceeding of National Conf. on Water and Waste water Management. Pp.134-137.
19. Shahul Hameed.P., Syed Mohamed.H.E. and **Krishnamoorthy.R.**, 2007. Thermal Ecological study on the Water Quality and Biological Impact Assessment in the Vicinity of Madras Atomic Power Station, Kalpakkam, India. Proceeding of National Symposium on Limnology. Pp.449-455.
20. **Krishnamoorthy.R.**, Ravimanickam.T., Somasundaram.R., Jayachandran.B. and H.E.Syed Mohamed, 2007. A study on the Estimation of soil pH in Different types of Soil in and around Tiruchirappalli. Proceeding of National Seminar on Emerging trends in Biotechnology.pp.96-97.
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27. **Krishnamoorthy.R** 2010. Climate Change and its Impact on biodiversity Conservation, Proceeding of National Environmental Awareness Campaign (Climate Change), pp.12.
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41. N.Kanadasan, Nirmala Natarajan and **R.Krishnamoorthy**, (2018), Effect Of Earthworms On Textile Dyeing Wastewater Through Vermifiltration, National seminar on advance in animal science for sustainable development, pp.14
42. S.Christoper, M.Periyasamy, H.E.Syed Mohamed , A.Shadiq Bukhari and **R.Krishnamoorthy**, (2018), Assessment Of Radiation Dose From ²¹⁰Po And ²¹⁰Pb Due To Tobacco Product(Bidi), In Tiruchirappalli National seminar on advance in animal science for sustainable development, pp.68
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44. J. Mohamad Rafeeh, O. Basith, and **R.Krishnamoorthy**, (2018), MICROBIAL DIVERSITY IN RELATION TO AQUACULTURE WITH EXPERIMENTAL APPROACHES IN TEMPLE POND, TIRUCHIRAPPALLI, National Conference on Bio industries for sustainable live hood), pp.91
45. **R.Krishnamoorthy**, G. Chinnadurai and O. Basith, Dose Rate Assessment Of Terrestrial Gamma Radiation The Wayanad, Kerala. (2018), International Seminar Recent Innovation in Biological Science for Healthier Tomorrow. Page no .53
46. O. Basith, and **R.Krishnamoorthy**, Distribution Of Natural Radionuclide Potassium-40 In Soil Samples Of Pulicat Lagoon, South India. International Seminar Recent Innovation in Biological Science for Healthier Tomorrow. Page no .52
47. N. Kannadasan, M. Gajendran, Nirmala Natarajan and **R.Krishnamoorthy**, Treatment Performance Of Small-Scale Vermifiltration For Distillery Effluent. International Seminar Recent Innovation in Biological Science for Healthier Tomorrow. P. no .48

13. Project Guidance

M.Phil Project

R.Uma Maheswari, **Detection of WSS virus on Banana Drawn (*P. mergunsis*) in Tamilnadu (Nagappatinam), and Caddalore) by PCR Technique**, August 2007

S.Sujatha, **Study on *Aspegillus Oryzac* for Amylase activity**, August 2007

D.Renuga, **A study on the effect of Dye effluent in water and fishes of Noyyal river and dyeing sludge waste management through vermicompost**, Sep.2009.

S.Arul Malarvizhi, **Evaluation of Pepsi-cola induced oxidative stress and the efficacy of *Pterocampus marsupium* in swiss Albino Mice**. November 2010

S.Parameswari, **Effect of cypermethrin on the content of protein, free sugar, Bound sugar and lipid in the fat body, Haemo lymph and ovary of the painted grasshopper *poecilocera picta***, September 2010.

M.Sc Project

A.Suresh, **Evaluation of physical – chemical and biological parameter in Uyyakondan river, Tiruchirapalli – 2009.**

S.Stella mary, **A study on Biochemical changes in the fresh water fish *Catla catla* subject to different stress – 2009.**

T.Perumal, **A study on the distribution of polonium – 210 in Ponnusamithram Lake (Kumarapalayam) – 2010.**

V. SUBRAMANIAN, **Colour removal treatment of tannery effluent by absorption and coagulation techniques, B.Tech Project- 2005**

14. Conference organized:

- Organised in two days “Workshop on Electrophoretic Techniques (WET)” held at Department of Biotechnology, Pavendar Bharathidasan College of Arts and Science, Trichy-24, during October 3-4, 2005.

15. Academic Activities and Positions

- ❖ Worked as a **DAE-Senior Hostel Mess Secretary** during the period April to June 2001
- ❖ Worked as a **Anna University Examination Additional Reserve hall Superintend** during April & May 2005.
- ❖ Worked as a **BETA Association secretary** during the period Nov. 2004 to June 2005
- ❖ Act as a **Chaired Person** in the two days “National Conference on Sustainable Agriculture” Organised by Tamil Nadu Scientific Research Organisation, Pudukkottai, during May.22 & 23, 2010
- ❖ Act as a **Chaired Person and Best Paper Selection Committee** in the two days “National Seminar on Recent Advances in Life Science” Organised by H.H. The Rajah’s College, Pudukkottai, during Dec.28 & 29, 2011.
- ❖ Act as a **Resource Person** for PG Programme (M.Sc-Zoology) offered by Centre for Distance Education, Bharathidasan University, Tiruchirappalli, during 2016-17.
- ❖ Act as a in the one day “National Seminar on Frontiers in Biosciences (FIB-2016)” Organised by Dept. of Microbiology and Biotechnology, Jamal Mohamed College, during March. 5, 2016.

- ❖ Act as a **Chief Guest** and deliver a **Special Lecture** in Parents day, School day and Woman's day function, Servite Matriculation School, Tiruchirappalli, during March. 23, 2018.
- ❖ Act as a **Chaired Person** in the two days "National Conference on Bio-Industries for Sustainable Live hood (NCBISL-2018)" Organised by The Gandhigram Rural University, Gandhigram, during March.27 & 28, 2018.
- ❖ Act as a **University Observer** for Tamil Nadu Open University Examinations for Certificate, Diploma, UG & PG Programme offered by TNOU, Chennai, during June & July, 2018.
- ❖ Act as a **POLING OFFICER-I** in the General Election to Lok Sabha 2009 from 24 Tiruchirappalli Parliamentary Constituency, Polling Station, Corpo. Ele. School, Keeladevathanam, Date of Poll : 13.05.2009.
- ❖ Act as a **CENSUS OFFICER** in the Indian Census 2010 in Kailasapuram and BHELL Township, Thiruverumbur Block, Tiruchirappalli city, during April & June, 2010.
- ❖ Act as a **CENSUS OFFICER** in the Indian Census 2011 in BHELL Township and T.A. Nagar, Thiruverumbur, Tiruchirappalli city, during January & June, 2011.
- ❖ Act as a Meeting of **BOARD OF STUDIES** in Biotechnology on 26.10.2009 at PRIST University, East Campus, Thanjavur-614904.
- ❖ Act as a **QUESTION PAPER SETTRER AND SCRUTINY in various university and colleges in Tamil Nadu.**
- ❖ Worked as a **Placement cell** in Bharathidasan University, Tiruchirappalli, during 2014-2015
- ❖ Working as a **Department COE** in Jamal Mohamed College during June 2017 to July 2019
- ❖ To participated in the **Science Academies sponsored Refresher Course on Modern Biotechnology** at School of Biotechnology, Madurai Kamaraj University, Madurai, from 15.05.2013 to 29.05.2013
- ❖ To participated in the **UGC sponsored Orientation Programme** in Life Sciences at HRDC- Bharathidasan University, Tiruchirappalli, from 15.11.2017 to 12.12.2017.
- ❖ To participated in the **UGC sponsored Refresher Course in Life Sciences** at HRDC- Bharathidasan University, Tiruchirappalli, from 16.07.2019 to 29.07.2019
- ❖ To participated in the **UGC sponsored Refresher Course in Environmental Sciences** at HRDC- Bharathidasan University, Tiruchirappalli, from 24.02.2021 to 09.03.2021
- ❖ To participated in the **FDP Certificate Course on Bionanotechnology** at Association of Indian Biologists, Chennai, from 15.05.2020 to 11.06.2020
- ❖ Act as a **Resource Person** in the Team Meeting on Environmental Receptivity of Industrial Effluents and their influence on Marine Ecology & DAE Technologies for Water Treatment, organized by Department of Bio-technology, Alagappa University, Karaikudi during August 9-10, 2019.
- ❖ Act as a **External Subject Expert** in the selection committee of Rashtriya Uchchar Shiksha Abhiyan (RUSA2.0) Project Fellow (JRF) and Research Associate, Department of Environmental Sciences and Management, Bharathidasan University, Tiruchirappalli during March 29th 2021.

- ❖ Act as a **Chief Guest and Resource Person** in National Workshop on Reserch Methodology, Queens College of Arts and Science for women, Thanjavur from 19-24/April/ 2021.
- ❖ Act as a **External Subject Expert** in the selection committee of Rashtriya Uchchatar Shiksha Abhiyan (RUSA2.0) Project Fellow (JRF), Department of Environmental Sciences and Management, Bharathidasan University, Tiruchirappalli during September 02 2021
- ❖ Act as a **Resource Person** for 27th National Childrens Science Congress 2019, Guide-Teachers training programme at E.R.Higher secondary school, Tiruchirapalli on 22.08.2019.
- ❖ Act as a **PRESIDING OFFICER-I** in the General Election to Lok Sabha 2019 from 26 Tiruchirappalli Parliamentary Constituency, Polling Station, Adi Diravidar Welfare GHSS, Pappakurichi, Date of Poll : 18.04.2019.
- ❖ Working as a **Department CEO** in Jamal Mohamed College during June. 2017 to till date
- ❖ Act as a **School Student Project coordinator (SRV Public School, Trichy)** in the project title is “**Causes and Effects Of Contamination Of Water Due To Dissolving Of Idols**”
- ❖ Act as a **Project Evaluator / Resource Person** in **District level / State level 2** 6th National children’s science congress –
- ❖ Act as a **Project Evaluator / Resource Person** in **District level / State level 27th** National children’s science congress -2018 held at K.P.R. College, Coimbatore on 10th NOV-2018.
- ❖ Act as a **Project Evaluator / Resource Person** in **District level 28th** National children’s science congress -2020.
- ❖ Act as a **Project Evaluator / Resource Person** in **District level 29th** National children’s science congress -2021.
- ❖ Act as a **Project Evaluator / Resource Person** in **Future Scientist (School Students)** VIT, Vellor, The Hindu NEWS paper and Tamilnadu Science Forum -2019.
- ❖ To identified as the **Employer** and the **Licensee** of radiation protection of workers and public (Atomic Energy Regulatory Board, India).

Act as a **Editorial BOARD Member:**

- Global Journal of Marine Sciences, China
- Journals Research Culture Society
- International Journal for Innovative Research in Multidisciplinary Field.
- Journal of Science and Healthcare Exploration

17. Reference:

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I hereby confirm that the foregoing information is correct to the best of my knowledge and belief.

Date

Place: Tiruchirappalli-1

(R.KRISHNAMOORTHY)