

## **CURRICULUM VITAE**



**Dr. H. E. SYED MOHAMED**

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<b>Designation</b>	Assistant Professor
<b>College Address</b>	P.G. Department of Zoology, Jamal Mohamed College (Autonomous), Tiruchirappalli – 620 020, Tamilnadu
<b>Date of Birth &amp; Age</b>	09 <sup>th</sup> July 1974 & 48 years
<b>Area of specialization</b>	Radiation Ecology & Thermal Ecology
<b>Residential Address</b>	S/o T.K.H. Mohamed Esoof No.8, Pakkupettai, Woriur, Trichy 620 003.

### **EDUCATIONAL QUALIFICATION –**

**M.Sc., M.Phil., Ph.D., P.G.D.C.A., Cert. in Arabic., (M.Phil., Bio-Tech).**

<b>DEGREE</b>	<b>INSTITUTION</b>	<b>UNIVERSITY</b>	<b>FIELD</b>	<b>MARKS</b>	<b>YEAR</b>
* Ph.D. (Full- Time)	Jamal Mohamed College, Trichy	Bharathidasan University	Zoology	Awarded December 2004 (Commended)	
M. Phil. (Full- Time)	Jamal Mohamed College, Trichy	Bharathidasan University	Zoology	77 %	1999
M. Sc.	Jamal Mohamed College, Trichy	Bharathidasan University	Zoology	70 %	1997
B.Sc.	Jamal Mohamed College, Trichy	Bharathidasan University	Zoology	66 %	1995
P.G.D.C.A.	Jamal Mohamed College, Trichy	Bharathidasan University	Computer Application	71 %	1998
Cert. in Arabic	Jamal Mohamed College, Trichy	Bharathidasan University	Arabic	61%	1993

M. Phil. (Part-Time)	Distance Education	Periyar University	Biotechnology	I	2009
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### AWARD /PRIZE / CERTIFICATE etc

“Indira Priyadarshni Best Scientist Award 2011 for Environmental Science” on the occasion of 1st National Conference on Natural Sciences & Award Presentation Ceremony held on 17th Dec. 2011 at Conference hall PMSSS, Pudukkottai, Tamilnadu, India, organized by Bose Science Society (Established under the Charter of TNSRO, Affiliated with Vigyan Prasar, DST, Govt. of India, New Delhi), Tamilnadu, India

### PUBLICATION

Book Articles : 04

Journals : 24

Proceedings : 09

### Participation in Seminar / Symposia / Conference :

International : 04

National : 49

Workshop : 09

### RESEARCH PROJECTS CARRIED OUT

Title of the Project Remarks	Name of the Funding Agency	Duration Amount
<b>Principal Investigator:</b>		
Synergistic Effects and Health risk assessment of Radiation dose among tobacco users.	University Grants Commission New Delhi	2012-2015 Rs.10.31 lakhs
<b>Co- Principal Investigator:</b>		
Evaluation of effects of Ionizing Radiation Dose on Aquatic Biota	Bhabha Atomic Research Centre, Department of Atomic Energy Government of India, Mumbai	2008-2012 Rs.28.7 Lakhs
Toxicological impact assessment of Nanoparticles of heavy metal ions (Zn, Cd, As, Al, Ti and Hg) on Aquatic biota – Algae ( <i>Selenastrum</i> sp.), Zooplankton ( <i>Daphnia</i> sp.) and Fish ( <i>Oreochromis</i> sp.)	Bhabha Atomic Research Centre, Department of Atomic Energy Government of India, Mumbai	2014-2017 (On-going) Rs. 20 Lakhs

## RESEARCH GUIDANCE

Research adviser Recognized by Bharathidasan University for Guiding  
M. Phil (Ref.No. 028813/R.A./M.Phil./Zoology/2007/Dated 20.11.2007 and  
Ph.D. Programme (Ref.No.030441/Ph.D.1/Zoology/R.A./Dated04.12.2008).

No. of Ph.D. Candidates  
Registered : -  
Degree Awarded : 02

No. of M. Phil. Candidates  
Registered : 03 Degree  
Awarded : 09

## TEACHING EXPERIENCE

S.No.	Course Taught	Name of the University / Institution	Duration
1.	B.Sc.,	Jamal Mohamed College, Trichy – 20	From 11-09-2006 to 20-8-2007
		Jamal Mohamed College, Trichy – 20	From 21-8-2007 till date
2	M.Sc.,	Jamal Mohamed College, Trichy – 20	From 11-09-2006 to 20-8-2007
		Jamal Mohamed College, Trichy – 20	From 21-8-2007 till date
3	M.Phil	Jamal Mohamed College, Trichy – 20	From 11-09-2006 to 20-8-2007
		Jamal Mohamed College, Trichy – 20	From 21-8-2007 till date

Subjects Handling for the students of Bachelor, Master of Science in Zoology :

Invertebrata, Chordata, Biotechnology, Immunology, Applied  
Entomology, Environmental Biology, Computer Application and  
Radiation Biology

For the students of Master of philosophy in Zoology :

Research methodology and Computer Application

## Research Experience

S. No	Nature of the Position	Broad Area of Project /Dissertation	Period		Total Experience	
			From	To	Year	Month
1.	M.Phil.,	Water Pollution	Aug.'97	Jan.'99	1	5
2.	JRF	Thermal Ecology	May'00	May'02	2	--
3.	SRF	Thermal Ecology	Jun'02	Mar'04	1	9
4.	Ph.D.	Thermal Ecology	Jun'99	Jul'04	5	--

### **Junior Research Fellow & Senior Research Fellow (May 2000 to Mar 2004)**

Department of Atomic Energy – BRNS – TES project, Govt. of India

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, at the cost of Rs. 27 lakhs, from Feb. 2000 to March 2004 at **Environmental Research Lab, P.G. Dept. of Zoology , Jamal Mohamed College, Tiruchirappalli-20.**

#### ***Above project work carried out at:***

Water and Steam Chemistry Laboratory  
Indira Gandhi Centre for Atomic Research  
Kalpakkam, Tamil Nadu, India

#### ***High lights of the project :***

- ✓ Study on Thermal Profile and Behaviour of Thermal Plume
- ✓ Assessment of Water Quality in Relation to Temperature
- ✓ Distribution of Littoral Benthos in Relation to Temperature
- ✓ Thermal Tolerance Study in *Donax cuneatus*
- ✓ Assessment of Fishery potential

### **M.Sc. Project**

Electrophoretic Studies on The Haemolymph of *Ctenolepisma sp.*, (Thysanura : Lepismatidae). M.Sc. Thesis, Bharathidasan University, Tiruchirappalli.

### **M.Phil. Project**

Water Quality Evaluation in Tiruchirappalli Corporation Water Supply and Southern Railway water Supply. M.Phil., Thesis, Bharathidasan University, Tiruchirappalli.

### **Highlights**

Assessment of Drinking Water Quality in relation to

- a) Physico chemical parameters
- b) Bacteriological parameters

### **Ph.D. Project:**

A Study on the Water Quality and Littoral Benthos for Biological Impact Assessment in the Vicinity of Madras Atomic Power Station Thermal Out Fall (Kalpakkam, India). Ph.D. Thesis, Bharathidasan University, Tiruchirappalli.

### **Highlights of Ph.D. project**

- a) Study on Thermal Profile and Behaviour of Thermal Plume
- b) Assessment of Water Quality in Relation to Temperature
- c) Distribution of Littoral Benthos in Relation to Temperature
- d) Thermal Tolerance Study in *Donax cuneatus*

## **Techniques and Instrumentation Known to Handle**

Water quality parameters	: Physical & Chemical parameters Bacteriological parameters
Benthic Study	: Quantitative & Qualitative analysis of Intertidal and Sub-littoral benthos
Radiation Ecology	: Alpha Counter, Beta Counter & Scintillometer
Biochemical Techniques	: Electrophoresis

## **Computer Knowledge**

Computer operation known : MS Office

### **P.G.D.C.A. Project Title :**

Computerisation of M/s. Santham Traders (Pesticide Dealer), Tiruchirappalli

**ORIENTATION / REFRESHER COURSES ATTENDED**

S.No.	Name of the Training	Name of the Sponsoring Agency	Place and Date
1	74 <sup>th</sup> Orientation Programme	UGC-Academic Staff College	Bharathidasan University, Tiruchirappalli 08.05.2012 – 04.06.2012
2	Refresher Course	UGC- HRDC Academic Staff College	Pondicherry University, Pondicherry 27-06-2015 to 17-07-2015
3	Refresher Course	UGC- HRDC Academic Staff College	Bharathidasan University, Tiruchirappalli 26.10.2017 – 15.11.2017
4	Refresher Course On-line	UGC – HRDC,	Bharathidasan University, Tiruchirappalli 11.12.2020 to 24.12.2020
5	Faculty Development Programme	Jamal Mohamed College, Tiruchirappalli	24.01.2022 to 29.01.2022

**SEMINARS / CONFERENCES / SYMPOSIA ORGANIZED**

Sl. No	Seminar, Conference and Workshops		Sponsored	Dates
1	“One-day Workshop on Environmental Laws”	Organizing Secretary	C. P. R. Environmental Education Centre, Chennai	February 12, 2010
2	Seminar on Water Resources management in Tamilnadu- WORM	Organizing Secretary	University Grants Commission- New Delhi	06.03. 2014
3	International Conference on Environment and Health	Organizing Secretary	UGC Autonomous Grant	
4	National Science Day Celebration – 2022	Co – Convener	Jamal Mohamed College (Autonomous)	28.02.2022
5	Short-Term Training Workshop on “Preservation of Zoological Specimens – 2022”	Organizing Secretary	Government Museum, Pudukkottai & Government Museum, Tiruchirappalli	23.03.2022 to 28.03.2022

06	National Youth Parliament Session (Tarun Sabha)	Coordinator	Jamal Mohamed College (Autonomous)	30.08.2022
07	15th National Science Fair (NSF-2023)	Organizing Secretary	Organization of Muslim Educational Institutions and Associations of Tamil Nadu (OMEIAT)	21 <sup>st</sup> & 22 <sup>nd</sup> January 2023
08	National Science Day Celebration – 2023	Organizing Secretary	Jamal Mohamed College (Autonomous)	28.02.2023

### Responsibility held /holding at Jamal Mohamed College:

S. No	Additional responsibility held / holding	Period	
		From	To
01	Member in Civil Services Examination Centre	2012	Till date
02	Member in Green Campus & Organic Care Wing	2018	Till date
03	Member in JMC Alumni Unit	2020	Till date
04	Member in Admission Help Desk	2020	Till date
05	Member in JMC COVID Relief Assistance Centre	2021	Till date
06	Deputy Warden, Khajamian Hostel	2022	Till date

## **PUBLICATION**

### **Book Articles**

1. **Syed Mohamed.H.E.**, Krishnamoorthy.R, Venugopalan.V.P and Shahul Hameed.P. 2006 “A study on the water quality and sub-littoral Macro 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
2. 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
3. M. Saiyad Musthafa, A. Saidiq Bukhari, H.E. Syed Mohamed., 2011. Environmental Radioactivity Nturalradionuclides in the soil. Lambert Academic Publishing. 2011, ISBN: 978-3-8465-3702-2.

4. 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

## JOURNALS

1	<b>Syed Mohamed, H.E.</b> , Hameed, P.S., Masilamani, V., Ravikumar, S. and Somasundaram, S.S.N. 2000. Evaluation of Water quality in Tiruchirappalli Corporation water Supply, I.J.Environmental Protection 20 (3) : 194-199.
2	Krishnamoorthy.R, <b>Syed Mohamed.H.E.</b> 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.
3	Shahul Hameed.P., Krishnamoorthy.R., <b>Syed Mohamed.H.E.</b> 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	R.Krishnamoorthy, R., <b>Syed Mohamed.H.E.</b> , Shahul Hameed,M.M.,and Shahul Hameed,P., A study on Pollonium 210 Distribution and Internal Radiation Dose to the Fisherman due to Consumption of in Koraiyar river Food, Tiruchirappalli, India. Asian jr of Microbial Biotech Environ Sci., Vol 9 No (3) : 2007 489- 492.
5	R.Krishnamoorthy, R., <b>Syed Mohamed.H.E.</b> , Sadiq Bukhari,A., Kathir Selvan. M Shahul Hameed, P., A Survey on the Naturally Occurring Radionuclides in Different Types of Soil in Perur Panchayat, Tiruchirappalli, Tamilnadu. Indian Journal of Geochemistry., 22(1): 167 -173; June 2007; ISSN 0970 9088.
6	Kirshnamoorthy.R, Sadiq Bukhari.A, Shahul Hameed.M.M, <b>Syed Mohamed. H.E</b> 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.
7	R.Krishnamoorthy, R., <b>Syed Mohamed.H.E.</b> , Sadiq Bukhari,A., Shahul Hameed,M.M., Shahul Hameed,P., Radiological Studies in Koraiyar River Ecosystem, Tiruchirappalli. J.Ecotocol. Environ. Monit. 18(6) 573-580 (2008). ISSN:0971-0965-08-18-573
8	<b>Syed Mohamed.H.E</b> , 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.
9	A. Sadiq Bukhari, <b>H. E. Syed Mohamed</b> , K.V. Broos, A. Stalin, R. K. Singhal, P. Venubabu., Histological varaiations in liver of freshwater fish <i>Oreochromis mossambicus</i> exposed to <sup>60</sup> CO gamma irradiation. Journal of Environmental Radioactivity.113(2012) 57-62.
10	Meeramaideen, M., A. Sadiq Bukhari and <b>H.E. Syed Mohamed</b> , Post Tsunamic Ambient Gamma Survey of Pondicherry Coastal Ecosystem (East Coast of India). Indian J. of Natural Sciences, Vol II/Issue 12/ June 2012.( ISSN: 0976-0997)
11	A. Stalin, K.V. Broos, A. Sadiq Bukhari, <b>H.E. Syed Mohamed</b> , R. K. Singhal,P. Vevu-babu., Morphological and Histological studies on freshwater prawn <i>Macrobranchium rosenbergii</i> (de man) irradiated with <sup>60</sup> CO gamma radiation.



	Aquatic Toxicology, 144-145(2013) 36-49.
12	A. Stalin, K.V. Broos, A. Sadiq Bukhari, <b>H.E. Syed Mohamed</b> , R. K. Singhal, P. Vevu-babu., Effects of <sup>60</sup> CO gamma irradiation on behavior and gill histoarchitecture of giant fresh water prawn <i>Macrobranchium rosenbergii</i> (de man)., <i>Ecotoxicology and Environmental Safety</i> 92(2013) 155-160.
13	K.V. Broos., A.Stalin, A. Sadiq Bukhari, <b>H.E. Syed Mohamed</b> ., Haematological Alteration in <i>Oreochromis mossambicus</i> after Exposure to <sup>60</sup> CO Gamma irradiation. <i>Indian journal of Natural Science</i> . Vol.4/Issue 25/August 2014. ISSN: 0976- 0997
14	Suganthi P, Murali M, Sadiq Bukhari A, <b>Syed Mohamed HE</b> , Basu H, Singhal R.K. Behavioural and Histological variations in <i>Oreochromis mossambicus</i> after exposure to ZnO Nanoparticles. <i>International Journal of Applied Research</i> 2015; 1(8): 524-531. ISSN Print:2394-7500,ISSN Online:2394-5869.
15	Suganthi P, Murali M, Sadiq Bukhari A, <b>Syed Mohamed HE</b> , Basu H, Singhal R.K., Haematological studies on freshwater Tilapia treated with ZnO nanoparticles. <i>Journal of Advanced Applied Scientific Research-Vol-1-1-May-2015:41-67</i> . ISSN:2454-3225.
16	Suganthi P, Murali M, Sadiq Bukhari A, <b>Syed Mohamed HE</b> , Basu H, Singhal R.K., Morphological and Liver Histological effects of ZnO Nanoparticles on Mozambique Tilapia. <i>Journal of Advanced Applied Scientific Research - Vol-1-1-May-2015:68-83</i> . ISSN:2454-3225.
17	Christobher, S., Periyasamy, M., <b>Syed Mohamed, H.E.</b> , Sadiq Bukhari, A., Alagamuthu Karthickkumar, Vellingiri Balachandar, 2016. Cytogenetical analysis in blood lymphocytes of cigarette smokers in Tiruchirappalli district, Tamil Nadu, India. <i>The Egyptian Journal of Medical Human Genetics</i> , pp.1-6.
18	Christobher, S., Periyasamy, M., <b>Syed Mohamed, H.E.</b> , Sadiq Bukhari, A., 2016. Cytogenetic Biomonitoring, Micronucleus Test in Buccal Epithelial cells of Tobacco Smokers in Tiruchirappalli District (Tamil Nadu). <i>International Journal of Pharmacological Review and Research</i> , vol.38 (1) pp.201-205.
19	Periyasamy, M., Christobher, S., <b>Syed Mohamed, H.E.</b> , Sadiq Bukhari, A., Shahul Hameed, P., and Sankaran Pillai,G, 2016. Assessment of Ambient gamma Radiation Level in The Tobacco Cultivated Areas of Dindigul and Erode Districts of Tamil Nadu. <i>International Journal of Current Research</i> , vol.8, 02, pp.26532-56536.
20	Periyasamy, M., Christobher, S., <b>Syed Mohamed, H.E.</b> , Sadiq Bukhari, A., Mohamed Shamsudin, 2016. Gross Alpha and Gross Beta Radioactivity Studies in Dindigul and Erode Districts, Tamil Nadu, <i>International Journal of Advanced Science and Research</i> . Vol.1 pp.22-26.
21	Christobher, S., Periyasamy, M., <b>Syed Mohamed H.E.</b> Sadiq Bukhari, A., Alagamuthu Karthickkumar, Vellingiri Balachandar, 2017. Cytogenetical analysis in blood lymphocytes of cigarette smokers in Tiruchirappalli district, Tamil Nadu, India. <i>The Egyptian Journal of Medical Human Genetics</i> 18, 147–152 (Elsevier)
22	Krishnamoorthy, R., Basith,O., <b>Syed Mohamed ,H.E.</b> and Sadiq Bukhari ,A., (2018), Activity Concentration of Polonium-210 in Different Aquatic System Fishes, Tamil Nadu, <i>International Journal of Scientific and Engineering Research</i> , Vol.9(6):52- 56. (UGC No.- 44919)
23	Christobher, S., Periyasamy, M., <b>Syed Mohamed H.E.</b> Sadiq Bukhari, A., Shahul

	Hameed, P., 2019. Activity Concentrations of Polonium-210 and Lead-210 in Tobacco products and Dose Transfer to Tobacco Users in Tiruchirappalli Districts of Tamil Nadu. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , ISSN 0236-5731 Vol. 27 (3).(Springer)
24	Mohammed Anas,P.P., Anju Sara Prakash, C., Bijoy, C., and Syed Mohamed, H.E., 2021. Macrohymenopteran diversity in Thommana Kole wetland, Thrissur, India. <i>ENTOMON</i> 46(3): 273-276.

### International Seminar Abstract

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. 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)". Proceeding of Third UAE-Japan Symposium on Sustainable GCC Environment and Water Resources, pp. 68-69.
3. Krishnamoorthy.R, T.Ravimanckam, **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. 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
5. Christobher,S, Periyasamy.M, **Syed Mohamed,H.E**, Sadiq Bukhari.A and Krishnamoorthy.R. 2017, Assessment of Radiation dose from 210Po And 210 Pb due to tobacco products in Tiruchirappalli, Tamilnadu. Proceedings of International Symposium on Bioscience research for present and future.pp-23
6. 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
- 7.
8. 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.

9. O.Basith, S.Christoper, M.Periyasamy, H.E.Syed Mohamed , A.Shadiq Bukhari and R.Krishnamoorthy, (2018), ACTIVITY CONCENTRATION OF 210PO AND 210PB IN DIFFERENT AQUATIC SYSTEM, TAMIL NADU, International Conference on molecular advances in biomedical research (ICMABR) Vol.1, pp. 85

### National Seminar Proceeding

1. Hameed,P.S., Somasundaram,S.S.N., Ravikumar,S. Masilamani,V., and **Syed Mohamed, H.E.**, 1999. Radioecological Study in Mandapam coast, Gulf of Mannar, India. Proceedings of 8<sup>th</sup> National Symposium on Environment, Chennai, pp.131-133.
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. 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.
5. 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
6. 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 Conference on Water and Waste Water Management. pp.81-83
7. **Syed Mohamed.H.E**, Krishnamoorthy.R, 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 Conference on Water and Waste Water Management. pp. 134- 137

8. 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
9. 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.
10. Krishnamoorthy.R, Sadiq Bukhari.A., **Syed Mohamed.H.E.**, Masilamani.V., and Shahul Hameed.P. 2008. A study on the Polonium-210. Distribution in the seaweeds of South Coast of India, Proceeding of State Level Seminar on recent trends in Environmental Biotechnology. Pp.43-45.
11. Shahul Hameed.P. **Syed Mohamed.H.E.**, and Krishnamoorthy.R, 2008. Thermal Responses of Marine Animals with reference to Kalpakkam Coast (south East Coast of India). Proceeding of OPENWAC-2008. pp.164-167.
12. Shahul Hameed P., Meeramaideen.M., A.Sadiq Bukhari, **H.E. Syed Mohamed** Environmental Radioactivity profile of Pitchavaram and Devanampattinam Coast (Bay of Bengal), Proceedings of the State level seminar on Recent Trends in Environmental Biotechnology : 12-14
13. A. Sadiq Bukhari, M. Saiyad Musthafa, **H.E.Syed Mohamed**, R.Krishnamoorthy M.M. Shahul Hameed and P. Shahul Hameed, 2010. Measurement of activity concentration of primordial radionuclides in the soil samples of Tiruchirappalli, Tamil Nadu , India
14. S.Christoper, M.Periyasamy, H.E.Syed Mohamed , A.Shadiq Bukhari and R.Krishnamoorthy, (2018), Assessment Of Radiation Dose From 210 Po And 210 Pb Due To Tobacco Product(Bidi), In Tiruchirappalli National seminar on advance in animal science for sustainable development, pp.68

**Paper presented in Symposia /Seminars**

## International

- ✓ **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)”. Proceeding of Third UAE-Japan Symposium on Sustainable GCC Environment and Water Resources, pp. 68-69.
- ✓ **Syed Mohamed, H.E.**, A. Sadiq Bukhari, M. Saiyad Musthafa, Mohamed Shamsudin, M. Meeramaideen and M. Mahendran. 2010. “Leachate characterization and Assessment of Ground water pollution near Municipal Solid Waste Dumping yard at Ariyamangalam, Tiruchirappalli, Tamil Nadu, India”. Internal Congress of Chemistry and Environment. **Thailand** , 21-23, January 2010.

## National

- ✓ **Syed Mohamed.H.E.**, Krishnamoorthy.R, 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 Conference on Water and Waste Water Management. pp. 134- 137

## **Participation in Symposia / Seminars/ Workshop**

### International

1. Participated in two days Fourth International and Sixteenth National Symposium on "**Recent Trends in Life Sciences**, Organised by University of Kerala, Tiruvananthapuram during Feb. 7 - 9, 2000.
2. Participated in two days **International seminar on “Recent Advances in Biotechnology”** Sponsored by Department of Biotechnology, Govt. of India & Tamilnadu State Council for Science &Technology, Chennai. Organised by School of life science, Ponnaiyah Ramajayam College, Thanjavur-614 904, during February 24-25, 2003.
3. Participated in three days **International Conference on Coastal and Fresh Water Issues**, Organised by Institute of Ocean Management, Integrated Center for Environmental Sciences, Anna University, Chennai during December, 8-10, 2003.
4. Participated in three days **The Third Joint UAE – JAPAN Symposium, Sustainable GCC Environment and Water Resources**, Organised by UAE University, UAE and Japan Cooperation Center, Petroleum, Japan during January, 28-30, 2006

## National

1. Participated in the One Day **Training Programme on Environmental Issues** sponsored by the C. P. R. Environmental Education Centre at Jamal Mohamed College, Tiruchirapalli during Oct 24, 1997.
2. Participated in the **National Seminar on Coastal Pollution and Management**, organised by CAS in Marine Biology, Annamalai University, Chidambaram during March, 18-19, 1999.
3. Participated in the Eighth **National Symposium on Environment**, sponsored by the Board of Research in Nuclear Sciences, DAE, Govt. of India at Indira Gandhi Centre for Atomic Research Kalpakkam and Meenakshi College for Women, Chennai during June, 22 - 25, 1999.
4. Participated in the **Ninth National Symposium on Environment**, Sponsored by the Board of Research in Nuclear Sciences, Department of Atomic Energy, Govt. of India at Bangalore University, Bangalore during June, 5 - 7, 2000.
5. Participated in the **National Seminar on Atomic Energy, Ecology and Environment**, sponsored by the Board of Research in Nuclear Sciences, Department of Atomic Energy and Atomic Energy Regulatory Board, Govt. of India at Jamal Mohamed College, Tiruchirappalli during Feb., 8 - 9, 2001.
6. Participated in the **Tenth National Symposium on Environment**, sponsored by the Board of Research in Nuclear Sciences, Department of Atomic Energy, Govt. of India at Bhabha Atomic Research Centre, Mumbai during June, 4 - 6, 2001.
7. Participated in two day **“DAE-BRNS Symposium on Thermal Ecology”** Sponsored by Dept. of Atomic Energy, Board of Research in Nuclear Sciences, Govt. of India, held at Manonmaniam Sundaranar University Tirunelveli, during February 1-2, 2002.
8. Participated in the **“National Seminar on Coastal Environment”**, sponsored by the UGC, New Delhi at Department of Geology, held at National College, Tiruchirappalli during Feb., 15 - 16, 2002.
9. Participated in three day **“26th IARP National conference on Radiation Exposure control at Nuclear Fuel cycle Facilities Radiation Installations”**. Organized by Indian Association for Radiation Protection (Kalpakkam chapter), in Kalpakkam (IGCAR) during March 5-7, 2003
10. Participated and presented a paper in the two days **“National Seminar on New Frontiers in Marine Bioscience Research”** Organised by Department of Ocean development, National Institute of Ocean Technology and Society of Biosciences, Chennai, during January, 22-23, 2004

11. Participated in one day BRNS theme meeting on **“Natural Radiation Environment and its Modification by Technological Activities”** Sponsored by Dept. of Atomic Energy, BRNS, Govt. of India and Co-sponsored by M.G.University, Kottayam, Organised by Department of Physics, The Cochin College, Cochin, held on 9<sup>th</sup> February, 2004.
12. Participated in three day **“State Level Seminar on Animal Biotechnology – Challenges in Biology (ANIBIOTECH – 2004)”**. Organized by P. G. Dept. of Zoology, Jamal Mohamed College, Tiruchirappalli, during August 23-25, 2004
13. Participated in two days **“National Conference on Water and Waste Water Management”** Sponsored by Dept. of Atomic Energy, Board of Research in Nuclear Sciences, Govt. of India, Organised by J.J. College of Engineering and Technology, Tiruchirappalli-09, during August 24& 25, 2006.
14. Participated in two days **“ National Seminar on Emerging trends in Biotechnology”** Organised by Vivekananda College for Women, Tiruchengodu, during February 16& 17, 2007.
15. Participated in NAM’ 07- National Level Seminar on Advances in Microbiology, Sponsored & Organised by P. G. and Research Department of Microbiology. Kurunji College of Arts and Science, Tiruchirappalli. 5<sup>th</sup> October 2007
16. Participated in Recent Trends in Aquaculture Biotechnology- AQUABIOTECH- 2008. Sponsored by University Grants Commission- Delhi, Organised by P. G. and Research Department of Zoology, Jamal Mohamed College-(Autonomous), Tiruchirappalli-20. 19-20, 2008
17. Participated in Symposium on Operational & Environmental Issues Concerning Use of Water as Coolant in Power Plants and Industries. (OPENWAC-2008). Sponsored & Organised by Water and Steam Chemistry Division BARC Facilities, Kalpakkam & DAE Advisory Committee on Steam & Water Chemistry (COSWAC), Sarabhai Auditorium, Kalpakkam. December 15-16, 2008
18. Participated in One day workshop on **“Environmental Laws”** -2008, Sponsored by C.P.R. Environmental Education Centre, Organised by Jamal Mohamed College-(Autonomous), Tiruchirappalli-20. 29-02-2008
19. Participated in The National Symposium on **‘Challenging Aspects in Environmental & Molecular Biotechnology’**- BIO ‘X’ POSE ’08, Sponsored by Pavendar Bharathidasan College of Arts & Science, Tiruchirappalli -620 024. Organised by Pavendar Bharathidasan College of Arts & Science, Department of Biotechnology, Tiruchirappalli. 08 February 2008

20. Participated in Regional Seminar on Environmental Studies, Sponsored by University Grants Commission- Delhi. Organised by Centre for Future Studies, Gandhigram Rural University. 3-5 December 2008
21. Participated in Workshop on Promotion of Research and Faculty development in Technical Institutions, (WPRFD-2008), Sponsored by Anna University-Tiruchirappalli . Catalized by Tamilnadu State Council for Science and Technology, Chennai. Organised by Environmental Research Centre and Entrepreneurship Development Cell, J.J. College of Engineering and Technology, Tiruchirappalli. 07 February 2008
22. Participated in National Conference on Climate Change in INDIA (NACC- CC 2008), Sponsored by Ministry of Environment and Forest, Govt of India, New Delhi, Tamilnadu State Council for Science and Technology, Chennai and Board of Research in Nuclear Sciences- DAE, Mumbai, Organised by Environmental Research Centre, J.J. College of Engineering and Technology, Tiruchirappalli. 28-29 August 2008.
23. Participated in State Level workshop on Application of Biostatistics with statistical packages for College Teachers in Biology, Sponsored by Tamilnadu State Council for Science and Technology, Chennai – (TNSCST), Organised by P. G. and Research Department of Zoology, Jamal Mohamed College-(Autonomous) Tiruchirappalli-20. 13-14 October 2008
24. Participated in State Level Seminar on “Recent Trends in Environmental Biotechnology” (ENVIROBIOTECH -2008), Sponsored & Organised by P. G. and Research Department of Zoology, Jamal Mohamed College-(Autonomous) Tiruchirappalli-20. 13 March 2008
25. Participated in One day Seminar on Ahimsa and animal alternatives – The implications and Benefits of teaching human science, Sponsored by Mahatma Gandhi- Doerenkamp Center for to use of Animals in Life science Education & Gandhi- gruber- Doerenkamp Chair for Life science Education & In vitro toxicology, Organised by Bharathidasan University, Tiruchirappalli. 2<sup>nd</sup> 2009
26. Participated in Seminar on Advances in Molecular biosciences (SAMB- 2009), Sponsored & Organised by P. G. Department of Molecular Bioscience, Bishop Heber College, Tiruchirappalli. 25<sup>TH</sup> November 2009
27. Participated in State Level Seminar on “Examination Reforms”- 2010, Sponsored by University Grants Commission, New Delhi, Organised by Jamal Mohamed College-(Autonomous) Tiruchirappalli-20. March 12, 2010



28. Participated in Seminar on Nano Science and Technology, Sponsored by Science City, Chennai, Tamilnadu State Council for Science and Technology, Chennai – (TNSCST), Anna Science Centre, Planetarium, Tiruchirappalli, Organised by Anna Science Centre, Planetarium, Tiruchirappalli. 14-10-2010
29. Participated in Two day BRNS & IANCAS Workshop on “Radio Chemistry and Application of Radioisotopes” Sponsored by Board of Research in Nuclear Sciences (BRNS) and The Indian Association of Nuclear Chemists and Allied Scientists (IANCAS), Organised by P.G. Dept. of Zoology, Jamal Mohamed College, Trichy. 18-9-2010 to 19-9-2010
30. Participated in Seminar on “Creating Competitiveness to excel in higher education- a TQM approach”-2010. Sponsored & Organised by Internal Quality Assurance Cell, Jamal Mohamed College, Tiruchirappalli-20 Jamal Mohamed College-(Autonomous) Tiruchirappalli-20, 8 December 2010
31. Participated in State Level Seminar on Health issues of youth in India: Problems and Prospects Tamilnadu State AIDS Control Society (TANSACS). Sponsored & Organised by P.G. Department of Social Work and Red Ribbon Club. Jamal Mohamed College-(Autonomous) Tiruchirappalli-20 . December 20, 2010
32. Participated in National level seminar- “Quality enhancement in teaching, Research and Extension in higher education institutions- Prospects and Problems”-2010. Sponsored & Organised by Jamal Mohamed College-(Autonomous), Tiruchirappalli-20. April 15 & 16, 2010
33. Participated in One day workshop on “Environmental Laws” -2010, Sponsored by C.P.R. Environmental Education Centre, Chennai, Organised by Jamal Mohamed College-(Autonomous), Tiruchirappalli-20. 16 February, 2010
34. Participated in “Recent Advances in Molecular Biology Techniques”- 2011, Sponsored by Bharathidasan University, Tiruchirappalli-620 024. Organised by Department of Marine Biotechnology, Bharathidasan University, Tiruchirappalli. 12 September 2011
35. Participated in National Seminar on “Current Scenario in Environmental Biotechnology” (ENVIBIO-2011), Sponsored by Jamal Mohamed College-(Autonomous), Tiruchirappalli-20. Organised by Department of Zoology, Jamal Mohamed College, Tiruchirappalli-20. 23 & 24, February, 2011
36. Participated in National Conference on Natural Sciences, Sponsored & Organised by Bose Science Society, Conference Hall PMSSS, Pudukkottai, Tamilnadu, India. 17 December 2011

37. Participated in One day National Seminar on 'QURAN AND SCIENCE', Sponsored by University Grants Commission Autonomous Grant, Organised by P.G. Department of Arabic, Jamal Mohamed College, Tiruchirappalli-20. 20 December 2011
38. Participated in "IWWA- Chennai Water Convention 2011", Sponsored & Organised by Indian Water Association (IWWA) Mumbai, First Regional Awareness Conference at Tiruchirappalli. 17.07.2010
39. Participated in 35<sup>th</sup> Annual Conference of Ethological Society of India (ACESI-2011) & Symposium on Chemical Signals in Animal Welfare (CSAW-2011), Sponsored by CSIR, UGC, Bharathidasan University & Ethological Society of India. Organised by Department of Environmental Biotechnology, Bharathidasan University, Tiruchirappalli. 15 and 16, December, 2011
40. Participated in One Day State level Seminar on Online Access to Research Journals and Books, Sponsored by University Grants Commission Autonomous Grant, Organised by General Library, Jamal Mohamed College, Tiruchirappalli-20. 12<sup>th</sup> January 2012
41. Participated in Seminar on "Science Society and Religion", Sponsored by Indian Institute of Science and Religion, Pune, Organised by Jamal Mohamed College, Tiruchirappalli-20. 16<sup>TH</sup> Feb 2012
42. Participated in State Level Seminar on "Examination Reforms"- 2012, Sponsored by University Grants Commission, New Delhi, Organised by Jamal Mohamed College-(Autonomous), Tiruchirappalli-20. 24<sup>TH</sup> Feb 2012
43. Participated in National Seminar on Environmental changes and Biowealth, - (NECB-2012), Sponsored & Organised by P.G. Department of Zoology, Jamal Mohamed College, Trichy, 31-1-2012
44. Participated in "Teaching, Learning and Research in Higher Education- Excellence and Beyond Excellence", Sponsored by University Grants Commission, New Delhi, Organised by Internal Quality Assurance Cell, Jamal Mohamed College-(Autonomous), Tiruchirappalli-20. 7<sup>th</sup> March 2012
45. Participated in Workshop on Techniques in collection and Rearing of Biocontrol Insects (WOCRBI-2012), Sponsored & Organised by P.G. Department of Zoology, Jamal Mohamed College, Trichy, 1-2-2012
46. Participated in National Seminar on "Emerging Trends in Biomedical Sciences", Sponsored & Organised by P.G. Department of Zoology, Holy Cross College, Tiruchirappalli. 10<sup>TH</sup> January 2013

47. Participated in National Conference on “Agricultural Biotechnologies for Sustainable Food Security”, Sponsored by DBT, Ministry of Science & Technology, Govt of India, New Delhi, Organised by Tamilnadu Scientific Organization, Pudukkottai. Tamilnadu, 22-24 March 2013
48. Participated in One Day State level Workshop on “Pharmacognostical Screening of Medicinal Plants” Sponsored & Organised by Department of Botany, St. Joseph College, Tiruchirappalli. 4<sup>TH</sup> March 2013
49. Participated in VI Academic Conference on “Crises in higher education- An Indian perspective”-2013, Sponsored by Aided College Teachers Association-(ACTA) Tamilnadu. Organised by Jamal Mohamed College, Tiruchirappalli, 06 April 2013
50. Seminar on “Environment and Resource Management”, held at P.G. and Research Department of Zoology, Jamal Mohamed College, Tiruchirappalli, on 19th September, 2014.
51. UGC Sponsored National Seminar on “Environmental Challenges to Climate Change” (EC3), held at P.G. and Research Department of Zoology, Jamal Mohamed College, Tiruchirappalli, on 14th October, 2016.

### **Training / Workshop**

1. Participated in two day “**State Level Training Workshop on Collection, Preservation and Identification of Common Coastal and Marine fauna and flora occurring in Mallipattinum along South East Coast of India**)”. Organized by Sri Venkateshwara College of Arts and Science, Peravurani – 614 804, during December, 29 & 30<sup>th</sup>, 2004
2. Participated in two day “**Workshop on Electrophoretic Techniques** Organized by P. G. Dept. of Zoology, Jamal Mohamed College, Tiruchirappalli, during March, 19 & 20<sup>th</sup>, 2005.
3. Participated in five days “**Training the trainer Programme on Municipal Solid Waste Management**” Organised by Center for Environmental Studies, Anna University, Chennai, during December 18 -22, 2006
4. Participated in five days “**Short Term Training Programme on Recent Advances in Environment, Safety and Energy Management**” Organised by Department of chemical Engineering, National Institute of Technology, Tiruchirappalli- 620 015, during February 05 -09, 2007.

5. Participated in the one day “**Workshop on Promotion of Research and Faculty Development in Technical Institutions**”, JJ College of Engineering & technology, Tiruchy -09 on 7<sup>th</sup> February 2008.
6. Participated in three days “**State level workshop on Application of Biostatistics with statistical packages for college teachers in biology**”, sponsored by TNSCST, Chennai. Organized by Dept. of Zoology, Jamal Mohamed College, Trichy -20 during 13<sup>th</sup> to 15<sup>th</sup> October 2008.
7. Participated in One day workshop on **Environmental Laws**. sponsored by the C. P. R. Environmental Education Centre, Chennai, organised by the Environmental Research Laboratory, P.G. Dept. of Zoology, Jamal Mohamed College, Tiruchirappalli on 16<sup>th</sup> February 2010.
8. Participated in two days BRNS and IANCAS **Workshop on Radio Chemistry and Application of Radio Isotopes**, at Jamal Mohamed College, Trichy 20 during 18<sup>th</sup> & 19<sup>th</sup> September 2010.
9. Participated in four days “ **Short term Training Programme on Introduction to Systems and Synthetic Biology for Scientists and Engineers**”, Sponsored by IIT,Bombay, during April 22-25, 2013.

### Extra Curricular Activities

1. National Service Scheme – Volunteer
2. Managing Trustee, Nal Ullangal Trust (Reg. No. 36/2018 - Administered by Alumni of Jamal Mohamed College) from 2017
3. Member in Tiruchirappalli District Road Safety Advisory Committee from August 2022

### Editorial Committee Members

1. Editorial Committee Members in “**Indian Journal of Natural Sciences (IJONS)**”, India.

### Membership of professional Bodies

1. Life Member in “**Journal of Chemistry and Environment**”, India.
2. Life Member in the “**Indian Science Congress Association**”, Kolkata
3. Life Member in “**Indian Society for Radiation Biology**”, New Delhi
4. Life Member in “**National Environmental Science Academy**”, New Delhi

5. Life Member in “**Ariga Ariviyal**”, Kundrakudi, Tamilnadu
6. Life Member in “**Association of Environmental Analytical Chemistry of India**”, Mumbai
7. Life Member in “**Bose Science Society**” (Established under the Charter of TNSRO, Affiliated with Vigyan Prasar, DST, Govt. of India, New Delhi), Tamilnadu, India

### Countries Visited

- United Arab Emirates,
- Kingdom of Saudi Arabia
- Thailand.

### References

**Dr.P.Shahul Hameed, M.Sc.,Ph.D.**

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.

**Dr. V.P. Venugopalan**

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

Date : 01.04.2023

**(H. E. Syed Mohamed)**