



# KHADIR MOHIDEEN COLLEGE

[M.K.N. Madharasa Trust-Waqf]

[Nationally Re-Accredited with B Grade by NAAC]

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## STAFF PROFILE

### I. Personal Details:

- 1 Name : **Dr. K. Muthukumaravel**
- 2 Gender : Male
- 3 Date of Birth : 10.06.1973
- 4 Designation : Assistant Professor of Zoology
- 5 Date of Joining in Teaching Profession : 08.08.2003
- 6 Date of joining in our Institution : 08.08.2003 / Regular 21.08.2007
- 7 Address : 1/105 High School Road,  
Pudukkottai Ullur,  
Adirampattinam – 614 701
- 8 Mail IDs : kumar\_phd\_2003@yahoo.co.in
- 9 Cell Number : +919791387363
- 10 Google Scholar Link : ---

### II. Educational Qualifications:

S. No.	Examination Passed	College	University	Year of Passing	Class
1	UG	Khadir Mohideen College, Adirampattinam	Bharathidasan University	1994	I Class
2	PG	Khadir Mohideen College, Adirampattinam	Bharathidasan University	1996	I Class with University II Rank
3	B.Ed.,	--	Alagappa University	2000	I Class

4	Ph.D.	--	Tamil University	2003	Commended
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### III. Professional Experiences:

Teaching Experience as on 31-05-2022

U.G	:	21 Years
P.G	:	21 Years
M.Phil	:	17 Years
Ph.D	:	15 Years

### IV. Research Experiences:

Research Area of Specialization	:	Biodiversity & Toxicology
Teaching Area of Specialization	:	Genetics , Microbiology, Environmental Biology, Bio-Physics
Languages Known	:	Tamil, English
Computer Proficiency	:	MS word, Power Point, Excel
Ph.D. Research Supervision	Awarded	: 13
	Thesis Submitted	: --
	Pursuing	: 1
M.Phil. Project Supervision	Awarded:	: 20
	Thesis Submitted	: --
	Pursuing	: --

### Details of Ph.D. Awarded Scholars:

S. No.	Name of the Scholar	University/College	Date of Viva
1	K. Jayaseelan	Bharathidasan University	Jan.2012
2	K. Abdul Kader	Bharathidasan University	June 012
3	D. Kandasami	Bharathidasan University	Jan. 2013
4	M. muruganandam	Bharathidasan University	Nov. 2014
5	N. Vasanthi	Bharathidasan University	Jan.2015

6	P. Rajaraman	Bharathidasan University	Aug.2015
7	M. Sheik Mohamed Salahudeen	Bharathidasan University	July 2016
8	R. Bose Raja	Bharathidasan University	May 2017
9	N. Padmavathy	Bharathidasan University	Dec.2018
10	C. Sucitha	Bharathidasan University	Sep.2021
11	P. Kalyani	Bharathidasan University	Oct.2021
12	K. Rajasekar	Bharathidasan University	April 2022
13	T. Raja	Bharathidasan University	April 2022

**Details of Ph.D. Thesis Submitted Scholars:** Not Applicable

S. No.	Name of the Scholar	Title of the Thesis	University/College	Date of Submission

**Details of Ongoing Ph.D. Scholars:**

S. No.	Name of the Scholar	Register Number	University/College	Date of Registration
1	K. Thamarachelvi	2558/Ph.DK9/PT/20.10.2021	Bharathidasan University	20.10.2021

**Details of M.Phil. Awarded Scholars:**

S. No.	Name of the Scholar	University/College	Date of Viva
1	S. Anzar	Bharathidasan University	2008
2	N. Vasanthi	Bharathidasan University	2008
3	S. Pandiyan	Bharathidasan University	2009
4	M. Subathirai	Bharathidasan University	2009

5	K. Lalitha	Bharathidasan University	2010
6	T. Kesavaramani	Bharathidasan University	2010
7	M. Rajasulosana	Bharathidasan University	2010
8	R. Wajitha Jasmine	Bharathidasan University	2011
9	R. Bose Raja	Bharathidasan University	2011
10	A.S. Murugan	Bharathidasan University	2012
11	D. Priyanka	Bharathidasan University	2012
12	M. K. Ramachandran	Bharathidasan University	2012
13	P. Silambarasi	Bharathidasan University	2012
14	N. Senthilkumar	Bharathidasan University	2013
15	T. Murugeswari	Bharathidasan University	2014
16	S. Srinivasan	Bharathidasan University	2015
17	T. Durga	Bharathidasan University	2016
18	A.Akashiya	Bharathidasan University	2017
19	M. Anitha	Bharathidasan University	2018
20	P. Murukesh	Bharathidasan University	2019

**Details of Ongoing M.Phil. Scholars:** Not Applicable

<b>S. No.</b>	<b>Name of the Scholar</b>	<b>Title of the Thesis</b>	<b>University/College</b>	<b>Date of Registration</b>

## V. Research Paper Publications (National / International):

S. No	Name of the Authors	Title of the Paper	Journal Name	Volume, Issue & Number	Month & Year
1	Johny, S., <b>K. Muthukumaravel</b> , S. Raghu, M.C. Muralirangan and K. P. Sanjayan	Geographical distribution of cephaline Gregarines (Apicomplexa: Protozoa) in relation to Grasshoppers (Orthoptera: Acrididae) in Tamil Nadu, India.	International Journal of Ecology & Environmental Science	25: 201 – 207	1999
2	Pushkala, K., <b>K. Muthukumaravel</b> , S. Johny, M.C. Muralirangan and K.P. Sanjayan	Two new species of cephaline gregarines in grasshoppers (Insecta: Orthoptera) from Tamil Nadu, (India): <i>Retractocephalus dhawanli</i> sp. nov. (Eugregarinida: Didymophyidae) and <i>Hentschelia gillii</i> sp. nov. (Eugregarinida: Dactylophoridae).	Journal of Orthopteran Research	9: 57 – 66.	2000.
3	Kavitha, P., A. Amsath and <b>K. Muthukumaravel</b>	Individual and synergistic effects of endosulfan and BHC pesticides on biochemical constituents of an aquatic insect, <i>Sphaerodema rusticum</i> .	Journal Environment & Pollution	8(2) : 201 – 203.	2001
4	Kumarasamy, P., <b>K. Muthukumaravel</b> and S. Parimala	Effect of zinc on oxygen consumption and glycogen metabolism of an estuarine hermit crab <i>Clibanarius infraspinus</i> (Hilgendorf).	Ecology and Ethology of Aquatic Biota.		2002
5	Kumarasamy, P., <b>K. Muthukumaravel</b> and S. Parimala	Effect of copper on haemolymph glucose and tissue glycogen relationship of an estuarine hermit crab <i>Clibanarius infraspinus</i> (Hilgendorf).	Indian Journal Environmental Science	7(1): 53-56.	2002
6	Amanulla Hameed, S.V.S., <b>K. Muthukumaravel</b> , A. Subramanian and N. Mayilvakanan	Effect of sublethal concentrations of copper on the selected organs of an estuarine fish <i>Mystus gulio</i> (Hamilton).	Indian Journal of Environment & Ecoplaning	8 (2): 331-334.	2004.
7	Savarimuthu, A., A. Amsath, <b>K. Muthukumaravel</b> , M. Mohamed Wahabkhan and S. Amutha	Effect of monocrotophos on food utilization and biochemical constituents of the alimentary canal in the small rice	Journal of Experimental Zoology India	7 (2) : 307-312	2004

		grasshopper, <i>Oxya nitidula</i> (Walker).			
8	Amutha, S., A. Amsath, <b>K. Muthukumaravel</b> and A. Savarimuthu	Histopathological changes in the alimentary canal of the small rice grasshopper, <i>Oxya nitidula</i> (Walker) exposed to monocrotophos	Journal of Experimental Zoology India	8 (1) : 125-128.	2005
9	Amanulla Hameed, S.V.S., P. Kumarasamy, A. Amsath and <b>K. Muthukumaravel</b>	Effect of cadmium on oxygen consumption and histopathological changes in the gill of <i>Oreochromis mossambicus</i> .	Journal of Experimental Zoology India	8 (2) : 405-410.	2005
10	Amanulla Hameed, S.V.S., <b>K. Muthukumaravel</b> , M. Mohamed Wahabkhan and N. Udhaykumar	Toxic effects of copper on hepatopancreas of freshwater mussels, <i>Lamellidens Marginalis</i> .	Journal of Ecotoxicology & Environmental Monitoring	15 (4) : 365-370.	2005
11	Amanulla Hameed, S.V.S., <b>K. Muthukumaravel</b>	2006. Impact of cadmium on the biochemical constituents of fresh water fish <i>Oreochromis mossambicus</i> .	Journal of Experimental Zoology India	10 (1) : 63-65.	2006
12	Kumarasamy,P., <b>K. Muthukumaravel</b> , Amanulla Hameed, S.V.S., and A. Rajendran	Effect of some heavy metals on the filtration rate of an estuarine clam, <i>Meretrix casta</i> (Chemnitz).	Journal of Experimental Zoology India	10 (1) : 79 - 80.	2006
13	<b>Muthukumaravel, K.</b> ,P. Kumarasamy, A. Amsath and M. Gabriel Paulraj	Toxic effect of cadmium on the electrophoretic protein patterns of gill and muscle of <i>Oreochromis mossambicus</i>	E. J. Chem.	4 (2): 284 – 286.	2007
14	<b>Muthukumaravel, K.</b> , Kumarasamy,P., A. Murthy, and S. Raja Mohamed	Hydrochemical characteristics of ground water in pattukkottai area – Thanjavur district.	Journal of Experimental Zoology India	11 (1) 197 – 198.	2008
15	Kumarasamy,P., M. Sukumaran., <b>Muthukumaravel, K.</b> and A. Murthy	Impact of cadmium and lead on calcium content in an estuarine clam <i>Meretrix casta</i> .	Uttar Pradesh J. Zool.	28(3) : 349 – 352.	2008
16	<b>Muthukumaravel, K.</b> M. Sukumaran., A. Murthy. And P. Kumarasamy	Effect of sublethal level of copper on gill histology of fresh water mussel <i>Lamellidens marginalis</i> .	Journal of Current Science	12(1):355-358.	2008
17	M. Sukumaran., <b>Muthukumaravel, K.</b> And P. Kumarasamy	Histopathology of kidney of the fresh water fish <i>Oreochromis mossambicus</i> exposed to cadmium.	Journal of Experimental Zoology India	11,(2):359-360.	2008
18	<b>Muthukumaravel, K.</b> ,A. Murthy. M. Sukumaran., P.	2008.Light and scanning electron microscopic evaluation	Pollution Research.	27(4):715-719.	2008

	Kumarasamy. And A. Amsath.	of effects of copper sulphate on the gill architecture of fresh water fish <i>Oreochromis mossambicus</i> .			
19	<b>Muthukumaravel, K. M. Sukumaran.,</b> And A. Amsath	Vermicomposting of vegetable wastes using cow dung.	E. Journal of Chemistry.	5(4): 810 – 813.	2008
20	Kumarasamy,P., Pugazhendi,A., <b>Muthukumaravel ,K.</b> and A. Murthy	Toxicity of cadmium on the immune response of the fresh water prawn, <i>Macrobrachium rosenbergii</i> (DeMan).	Journal of Experimental Zoology India	11 (2) 367 – 368.	2008
21	<b>Muthukumaravel, K.</b> and A. Murthy	Blood glucose and hepatic glycogen interrelationship in <i>Labeo rohita</i> (Ham.) exposed to heavy metal chromium.	Journal of Ecobiology	25(4):307-310.	2009
22	Kandasamy, D. and <b>K. Muthukumaravel,</b>	Studies on the impact of neem oil on histopathological Changes in the gill of freshwater fish, <i>Mystus vittatus</i> (Bloch).	Ecology and Fisheries.	2(2);15-18.	2009
23	Kandasamy, D. and <b>K. Muthukumaravel.</b>	Effect of pyrethroid pesticide lamda cyhalothrin on the haemocytic profile of the small rice grasshopper <i>Oxya nitidula</i> .	Indian Journal Environment & Ecoplanning.	16(2-3):409-412	2009
24	<b>Muthukumaravel, K.,</b> S. Rjamohamed, A. Akbar Hussain and D. Kandasamy.	Evaluation of ground water quality in Perambalur district.	Indian Journal Environmental sciences.	14(1):47-49.	2010
25	<b>Muthukumaravel, K.,</b> M. Muruganantham and N. Vasanthi.	Effects of heavy metal cadmium on the histopathological changes in the intestine of <i>Mugil cephalus</i> .	Journal of Current Science,	15(2): 455-458. 1.	2010
26	Abdulkadar, K. and <b>K. Muthukumaravel.</b>	Effect of Chromium on oxygen consumption and gill histology of the fresh water mussel <i>Lamellidans marginalis</i> .	Journal of Ecotoxicology & Environmental Monitoring	21(3): 251-256.	2011.
27	Jayaseelan, K., <b>K. Muthukumaravel,</b> and R. Rajkumar	Toxic effects of herbicide, glyphosate on hematological parameters in the fresh water fish <i>Labeo rohita</i> .	Journal of Ecotoxicology & Environmental Monitoring	21(3): 277-285	2011
28	<b>Muthukumaravel, K.,</b> M. Muruganantham, K. Abdulkadar, and O. Sathick,	Cadmium induced histopathological changes in the hepatopancreas of the freshwater fresh water mussel, <i>Lamellidans marginalis</i> .	Journal of Ecotoxicology & Environmental Monitoring	21(4): 347-384.	2011

29	Jayaseelan, K., <b>K. Muthukumaravel</b> , and R. Rajkumar.	Effect of sublethal concentration of herbicide glyphosphate on ultra structural changes in the gill of the fish <i>Labeo rohita</i> .	Journal of Ecotoxicology & Environmental Monitoring	21(4): 379-384.	2011
30	Sathick, O., S. Raveendran and <b>K. Muthukumaravel</b> ,	Effect of pesticide rogor on oxygen consumption and gill histology of the estuarine fish <i>Mystus gulio</i> .	Journal of Ecotoxicology & Environmental Monitoring	21(5): 400-414.	2011
31	Uma, B., <b>K. Muthukumaravel</b> , O. Sathick and S. Raveendran.	Effect of heavy metal chromium on biochemical composition of the estuarine edible clam <i>Anadara rhombea</i> .	Journal of Ecotoxicology & Environmental Monitoring	22(3):253-258.	2012
32	Uma, B., <b>K. Muthukumaravel</b> , O. Sathick and S. Raveendran	Effect of chromium on oxygen consumption and gill histology of the estuarine clam, <i>Merrtrix casta</i> .	Journal of Ecotoxicology & Environmental Monitoring	22(3):229-234.	2012
33	<b>Muthukumaravel, K.</b> , N. Vasanthi, R. Sivakami, D. Kandasamy and N. Sukumaran, 2012.	Physicochemical characteristics of Arasalar estuary, Karaikal, South east coast of India..	I.J.I.P.L.S.	2(3):84-94	2012
34	<b>Muthukumaravel, K.</b> and P. Rajaraman.	A study on the toxicity of chromium on the histology of gill and liver of fresh water fish <i>Labeo rohita</i> .	Journal of pure & Applied Zoology.	1(2): 122-126	2013
35	Sukumaran, M., <b>K. Muthukumaravel</b> and R. Sivakami	Seasonal variation in physico-chemical characteristics of Agniar estuary South east coast of India.	Asian Pacific Journal of Research.	2(8):108-120.	2013
36	<b>Muthukumaravel, K.</b> , M. Sukumaran and O. Sathick.	Studies on the acute toxicity of pesticides on the fresh water fish <i>Labeo rohita</i> .	Journal of pure & Applied Zoology	1(2):185-192.	2013
37	<b>Muthukumaravel, K.</b> , Sathick. O and S. Raveendran.	A study on the toxicity of chromium on the histology of gill and liver of fresh water fish <i>Labeo rohita</i> .	Journal Of Pure & Applied Zoology	1(2): 122-126	2013
38	<b>Muthukumaravel, K.</b> and P. Rajaraman	Lambda cyhalothrin induced biochemical and histological changes in the liver of <i>Oreochromis mossambicus</i> (Peters).,	Journal Of Pure & Applied Zoology	1(1): 80-85,	2013.
39	Sivakumar, <b>K. Muthukumaravel</b> and P. Kumarasamy.	Impact of pesticide monocrotophos on the oxygen consumption of the freshwater fish <i>Labeo rohita</i> . -, 2013.	International Journal of Current Zoological Research	Vol.1, Issue, 10, pp.27-30	2013



40	Sivakumar, <b>K. Muthukumaravel</b> and Kumarasamy. P.	Studies on the toxicity of pesticide monocrotophos on the biochemical constituents of the freshwater fish <i>Labeo rohita</i> .	International Journal of Current Biochemistry and Biotechnology	- Vol.2, Issue, 10, pp.20-26	2013
41	Manikandan, M. Sukumaran, <b>K. Muthukumaravel</b>	Histopathology of kidney of the freshwater fish <i>Mystus vittatus</i> exposed to cadmium.	International Journal of Current Research	Vol. 5, Issue, 10, pp. 3248-3250	2013
42	Manikandan, M. Sukumaran, <b>K. Muthukumaravel</b>	Impact of pesticide monocrotophos on histological changes in the liver of <i>Mystus vittatus</i> .	International Journal of Current Research	Vol. 5, Issue, 10, pp.3244-3247,	2013
43	<b>Muthukumaravel, K. N. Nathiya, P. Kumarasamy and S. Raveendran</b>	Studies on the histopathology of selected organs of freshwater fish <i>Labeo rohita</i> exposed to pesticide monocrotophos.	International Journal of Recent Scientific Research	Vol. 4, Issue, 11, pp.1728-1735,	2013
44	<b>Muthukumaravel, K.</b> , R. Bose Raja and A. Amsath	A preliminary investigation of spider fauna in associated mangroves of Muthupet at Adirampattinam coast, Tamil Nadu, India.	International Journal of Pure and Applied Zoology.	1(4): 304-309	2013
45	Kothandapani, M. Sukumaran and <b>K. Muthukumaravel</b> ,	Studies on the Diversity of Ichthyo - Fauna in Muthupet Estuary South East Coast of India.	International Research in Arts and Sciences.	Vol.3, 10, 037-040.	2014
46	Kothandapani, M. Sukumaran and <b>K. Muthukumaravel</b> ,	Studies on the Diversity of Phytoplankton in the Muthupet estuary South East Coast of India.	International Journal of Advances in Doctoral Research,	Vol.3,11, 028-030	2014
47	Geetha, R., <b>K. Muthukumaravel</b> , N. Nathiya, P. Kumarasamy, and S. Raveendran.	Effect of the nitrate fertilizer urea on the ultra structural changes in the gill of freshwater fish <i>Catla catla</i> .	International Journal Of Recent Scientific Research,	Vol. 6, Issue,2, Pp.2567-2570,	2015
48	<b>Muthukumaravel,K.</b> , R. Bose Raja, P. Kumarasamy and S. Prabakaran.	Diversity of Acridids in Muthupet Mangrove Forest of Tamil Nadu, India.	International Journal of Current Research,	Vol. 7, Issue, 02, pp.12312-12314.	2015
49	<b>Muthukumaravel,K.</b> , R. Bose Raja, A. Amsath, S. Prabakaran and Y. Chezian,	Sesonal variation of dragonflies diversity in Muthupet mangrove forest, Tamil Nadu, India.	Journal Of Pure & Applied Zoology.	Vol.3 Issue 2 pp. 188-192.	2015

50	Balakrishnan,S., Sundramanickam.P and <b>K. Muthukumaravel</b>	Seasonal abundance and distribution of Ichthyoplankton in the Muthupet mangroves, south east coast of India.	Journal of Biocatalysis and Agricultural Biotechnology (ELSEVIER)	4(4): 784-794.	2015
51	Kumar, K., P. Kumarasamy and <b>K. Muthukumaravel.</b>	Prevalance of occultfilariasis among patients attending the outpatient department of Raja Mirasudar hospital, Thanjavur, Tamilnadu, India.	International Journal Of Recent Scientific Research,	vol. 6, issue, 6, pp.4437-4439.	2015
52	Kumar, K., P. Kumarasamy and <b>K. Muthukumaravel.</b>	A study on the sequelae cases of <i>Japanese encephalitis</i> in Perambalur district, Tamilnadu.	International Journal Of Current Research.	vol. 7, issue, 09, pp.20082-20085.	2015
53	Rani Lalitha, M. Sukumaran and <b>K. Muthukumaravel.</b>	Effects of nickel on haematological parameters in the estuarine fish <i>Liza parsia</i> ,	International Journal Of Development Research,	vol. 6, issue, 02, pp. 6963-6967.	2016
54	Raveendran, S., O. Sathick and <b>K. Muthukumaravel.</b> 2016.	Molluscan diversity in Keezhathottam of Thanjavur district, Tamil Nadu, India with special reference to gastropods and bivalves.	International Journal Of Zoology And Applied Biosciences.	volume 1, issue 3, pp: 141-143.	2016
55	Muthukumar, U., A. Amsath and <b>K. Muthukumaravel,</b>	Adulticidal activity of synthesized silver nanoparticles using <i>Chomelia asiatica</i> linn. (family: rubiaceae) against <i>Anopheles stephensi</i> , <i>Aedes aegypti</i> and <i>Culex quinquefasciatus</i> (diptera: culicidae).	International Journal Of Zoology And Applied Biosciences.	volume 1, issue 2, pp: 118-129.	2016
56	Kamalakaran., O. Sathick and <b>K. Muthukumaravel,</b>	A study on the monthly variation of some hydrographic parameters in the Agniar estuary, southeast coast of India.	International Journal Of Development Research.	vol. 06, issue, 05, pp. 7723-7727.	2016
57	Kamalakaran., O. Sathick and <b>K. Muthukumaravel,</b>	A study on the distribution of copper and zinc in Agniar estuary, southeast coast of India.	International Journal Of Development Research,	vol. 06, issue, 05, pp. 7719-7722.	2016
58	Rani Lalitha, M. Sukumaran and <b>K. Muthukumaravel.</b>	Effects of nickel on haematological parameters in the estuarine fish <i>Liza parsia</i> .	International Journal Of Development Research,	vol. 6, issue, 02, pp. 6963-6967.	2016
59	Kothandapani, S., Sukumaran, M. and <b>K. Muthukumaravel.</b>	Seasonal variations of zooplankton diversity in Muthupet estuary, south east coast of India.	International Journal of Zoology and Applied Biosciences.	Volume 1, Issue 5, pp: 213-220.	2016

60	Padmavathi, N., <b>K. Muthukumaravel</b> and P. Kumarasamy,	Effects of copper on the ultrastructural alterations in the gills of estuarine hermit crab, <i>Clibanarius infraspinatus</i> .	International Journal of Zoology and Applied Biosciences .	volume 2, issue 2, pp: 68-76.	2017
61	Padmavathi,N. and <b>K. Muthukumaravel.</b>	Effect of textile effluents on digestive enzyme activity and histology of intestine of the fresh water fish <i>Cyprinus carpio</i> .	International Journal of Zoology and Applied Biosciences	Volume 2, Issue 2, pp: 83-89.	2017
62	Padmavathi,N., S. Sivaraju, O. Sathick and <b>K. Muthukumaravel,</b>	A study on the toxicity of pesticide cypermethrin on the biochemical composition of freshwater fish <i>Mystus vittatus</i> .	International Journal of Zoology and Applied Biosciences.	volume 2, issue 2, pp: 95-99.	2017
63	Vanitha,S., A. Amsath, P. Shanthi and <b>K. Muthukumaravel,</b>	Sublethal effects of lead arsenate on histology of selected organs of freshwater fish <i>Cirrhinus mrigala</i> .	International Journal of Zoology and Applied Biosciences.	volume 2, issue 5, pp: 250-257.	2017
64	Vanitha,S., A. Amsath, <b>K. Muthukumaravel</b> and J. Sugumaran,	Effect of Arsenic on haematological parameters of freshwater fish <i>Channa punctatus</i> (Bloch).	International Journal of Zoology and Applied Biosciences.	Volume 2, Issue 3, pp: 117-121.	2017
65	Nathiya, N., S. Raveendran, V. Ramamoorthy, <b>K. Muthukumaravel</b> and O. Sathick,	The impact of copper sulphate on the biochemical parameters in <i>Channa punctatus</i> .	International Journal of Zoology and Applied Biosciences	Volume 2, Issue 1:27-31	2017
66	Rajasekar, K., A. Dinesh, M. Durka and <b>K. Muthukumaravel.</b>	Facile synthesis and in vitro biological screening of PD@SiO <sub>2</sub> , core-shell nanoparticles.	Journal of Nanoscience and Nanotechnology,	Vol. 18, 1-8.	2018
67	Sucitha,C., <b>K. Muthukumaravel,</b> P. Kumarasamy and N. Vasanthi.	Impact of monocrotophos on the gill ultrastructure of the freshwater fish <i>Oreochromis mossambicus</i> .	Journal of Zoological Research	2(3): 17-20.	2018
68	Sucitha,C., <b>K. Muthukumaravel,</b> P. Kumarasamy and N. Vasanthi.	Studies on the impact of heavy metal copper on the ultrastructure of gill in the mangrove crab <i>Sesarma brocki</i> .	IJPBS.	9(1): 109-112.	2019
69	Sasi Priya, P. Kumarasamy, A. Pugazhendi, V. Ganapiriya and <b>K. Muthukumaravel.</b>	Electrophoretic analysis of reproductive tissues and haemoymph of the marine pebble crab <i>Leucosia anatum</i> (Herbst, 1783).	IJPBS	, 9(1): 89-93.	2019

70	Vasanthi, N., <b>K. Muthukumaravel</b> and J. Sugumaran.	Toxic effect of mercury on the freshwater fish <i>Oreochromis mossambicus</i> .	RJLBPCS,	5(3):364-376.	2019
71	Arul Prasath, S., V. Valarmathi and <b>K. Muthukumaravel</b> .	Effect of copper on the phosphatases enzyme activity of <i>Liptopenaeus vannamei</i> .	RJLBPCS,	5(3): 405 – 413.	2019
72	Sathick,O., S. Farvin Banu and <b>K. Muthukumaravel</b> .	Impact of pesticide monocrotophos on selected biochemical parameters and histology of liver of <i>Mystus gulio</i> (Hamilton).	Research Journal of Life Sciences, Bioinformatics , Pharmaceutical and Chemical Sciences	5(3) Pp: 75 – 84.	2019
73	Sathick,O., S. Farvin Banu and <b>K. Muthukumaravel</b>	Toxicity of monocrotophos on the oxygen consumption and gill histology of estuarine fish <i>Mugil cephalus</i>	Research Journal of Life Sciences, Bioinformatics , Pharmaceutical and Chemical Sciences.	5(3) Pp: 290 – 300.	2019
74	Vasanthi, N. <b>K. Muthukumaravel</b> , O. Sathick and J. Sugumaran.	Toxic effect of mercury on the freshwater fish <i>Oreochromis mossambicus</i> .	Research Journal of Life Sciences, Bioinformatics , Pharmaceutical and Chemical Sciences	5(3): 364-370.	2019
75	Sucitha, C., P. Kumarasamy, <b>K. Muthukumaravel</b> and N. Vasanthi.	Ultrastrucural histopathology of gill in <i>Oreochromis mossambicus</i> on exposure to the pesticide monochrotophos,	Journal of Interdisciplin ary Cycle Research.	Vol.XII, Issue1, 1064 – 1070.ISSN No. 0022-1945.	2020
76	Sucitha, C., P. Kumarasamy, <b>K. Muthukumaravel</b> and N. Vasanthi.	Evaluation of ultra-structural histopathology of gill in the brachyuran crab <i>Sesarma brocki</i> on exposure to copper.	The International Journal of Analytical and Experimental Model Analysis.,	Vol 12 Issue 1 Page No. 2370 – 2376.ISSN – 0886-9367.	2020
77	<b>Kannayiram Muthukumaravel</b> , Natarajan Vasanthi, Arumugam Stalin, Lubna Alam, Bharathi Santhanabharathi and Mohamed Saiyad Musthafa.	Sublethal effects of phenol on histology of selected organs of freshwater fish <i>Mystus vittatus</i> .	Environmental Science and Pollution Research.(Springer)	28(1): 1-9 , IP : 3.330.	<b>2020.</b>
78	Kalyani, P., <b>K. Muthukumaravel</b> and N. Vasanthi.	Studies on the individual and combined effect of monocrotophos and	Uttar Pradesh Journal of Zoology(UGC & ISI Thomson	42(2):41-47.	<b>2021.</b>

		neem oil on biochemical constituents of female rice grasshopper <i>Oxya fuscovittata</i> ,	Reuters Master Journal)		
79	Thimmaryan Raja, <b>Kannayiram Muthukumaravel</b> , Natarajan Vasanthi and Gurusamy Chelladurai.	Effect of Phenol on the biochemical composition of Indian major carp <i>Cirrhinus mrigala</i> .	Uttar Pradesh Journal of Zoology (UGC & ISI Thomson Reuters Master Journal)	42(2): 18-27	2021
80	Thimmaryan Raja, <b>Kannayiram Muthukumaravel</b> , Venkatachalam Kanakavalli, Mohamed Saiyad Musthafa and Gurusamy Chelladurai.	Sublethal effects of arsenic on some biochemical and histological alterations in the muscle tissue of the milk fish <i>Chanos chanos</i> .	Uttar Pradesh journal of Zoology (UGC & ISI Thomson Reuters Master Journal)	42(3); 1-7.	2021
81	Rajasekar, K., <b>K.Muthukumaravel</b> , and N. Vasanthi.	Effect of monocrotophos on the oxygen consumption of the freshwater fish <i>Channa striata</i> .	International Journal of Entomology Research, THOMSON REUTERS – WEB OF SCIENCE <a href="http://www.entomologyjournals.com">http://www.entomologyjournals.com</a> ISSN: 2455-4758	Volume 6, Issue 6, Page No. 47-50. RJIF 8.00	2021
82	Rajasekar, K., <b>K.Muthukumaravel</b> , and N. Vasanthi, 2021.	Toxicity of monocrotophos on the biochemical composition of the freshwater fish <i>Channa striata</i> .	International Journal of Entomology Research, THOMSON REUTERS – WEB OF SCIENCE <a href="http://www.entomologyjournals.com">http://www.entomologyjournals.com</a> ISSN: 2455-4758	Volume 6, Issue 6, 2021 Page No. 51-58. RJIF 8.00	2021
83	Shanmuganathan Archunan, Maharajan Athisuyambulingam, Kumara Perumal Pradhoshini, narayanasamy Yelappu, Ganapiriya Viswambaram, <b>Muthukumaravel Kannayiram</b> , Marckasayam Priyadharshini, Mohamed Saiyad Musthafa and Caterina Faggio.	Cytopathological and Ultrastructural changes in the male reproductive organs of freshwater crab <i>Paratelphusa jacquemontii</i> (Rathbun) exposed to nurocombi	Microscopy Research Technique (WILEY).2021: <a href="https://doi.org/10.1002/jemt.24000">https://doi.org/10.1002/jemt.24000</a> ISSN Number 1097-0029 (Web of Science)	1-8. Impact Factor : 2.769	2021

84	<b>Kannayiram Muthukumaravel,</b> Kumara Perumal Pradhoshini, Natarajan Vasanthi, Thimmarayan Raja, M. Abdul Jaleel, Kantha Deivi Arunachalam,, Mohamed Saiyad Musthafa, ramamoorthy Ayyamperumal Rajakrishnan Rajagopal, Ahmed Alfarhan, Murugesan Chandrasekaran, Soon Wang Chang and Balasubramani Ravindran.	Assessment of seasonal variation in distribution and abundance of plankton and ichthyofaunal diversity in relation to environmental indices of karankadu Mangrove, South east coast of India.	Marine Pollution Bulletin. (ELSEVIER). <a href="https://doi.org/10.1016/j.marpolbul.2021.113142">https://doi.org/10.1016/j.marpolbul.2021.113142</a> . (Web of Science) ISSN Number 0025-326X.	173 (2021) 113142 : 1-10 Impact Factor : 5.5	2021
85	Pothiappan Kumarasamy, Manickam Sasipriya, Viswambaram Ganapiriya, <b>Kannayiram Muthukumaravel,</b> Kumara Perumal Pradhoshini, Munawar Shali ahamed, Mohamed Saiyad Musthafa and Caterina Faggio.	Internal anatomy and ultrastructure of the male reproductive organization of the Sesarmid crab <i>Muradium tetragonum</i> (1798)-decapoda: Brachyura).	Acta Zoologica (WILEY). <a href="https://doi.org/10.1111/azo.12420">https://doi.org/10.1111/azo.12420</a> ISSN Number 1463-6395 (Web of Science) ( <i>The Royal Swedish Academy of Sciences</i> )	2022 ;00:1-9 Impact Factor : 1.375.	2022
86	Kanagavalli V, <b>K Muthukumaravel,</b> O Sathick, N Vasanthi.	Effect of profenophos on the haematology of freshwater climbing perch <i>Anabas testudineus</i> .	International Journal of Entomology Research, THOMSON REUTERS – WEB OF SCIENCE	Volume 7, Issue 9, 2022, Pages 153-156	2022
87	Kanagavalli V, <b>K Muthukumaravel,</b> O Sathick, N Vasanthi	Effect of profenophos on the histology of freshwater climbing perch <i>Anabas testudineus</i> .	International Journal of Entomology Research, THOMSON REUTERS – WEB OF SCIENCE	Volume 7, Issue 9, 2022, Pages 87-92	2022
88	<b>Muthukumaravel K,</b> Priyadharshini M, Kanagavalli V, Vasanthi N, Ahmed MS, Musthafa MS, Shukla S, Khan R, Rajagopal R, Chang SW, Ravindran B.	Impact of sublethal phenol in freshwater fish <i>Labeo rohita</i> on biochemical and haematological parameters.	Environmental Monitoring and Assessment (Springer) <a href="#">Impact factor : 2.513</a>	(2023), 195: 10	2022
89	<b>Kannayiram Muthukumaravel</b> ,Venkatachalam	Potential biomarker of phenol toxicity in	Comparative Biochemistry	Part C, 1-6	2023



	Kanagavalli, Kumara Perumal Pradhoshini, Natarajan Vasanthi, Bharathi Santhanabharathi, Lubna Alam, Mohamed Saiyad Musthafa and Caterina Faggio	freshwater fish <i>C. mrigala</i> : Serum cortisol, enzyme acetylcholine esterase and survival organ gill.	and Physiology, Part C, (ELSEVIER). Impact factor : 3.228		
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## VI. Research Paper Publications (National/International Conference Proceedings) :

S.No	Name of the Authors	Title of the Paper	Name of the Conference	Volume & Number	Month & Year
1	Murthy. A., <b>Muthukumaravel, K.</b> M. Sukumaran., And P. Kumarasamy.2008.	Sublethal effect of copper sulphate on the histological alterations in the intestine of <i>Oreochromis mossambicus</i> .	Proc. National seminar on recent trends in aquaculture biotechnology, Jamal Mohamed College, Tiruchirappalli.		2008
2	Jenni.R, S.Sangeetha, <b>K.Muthukumaravel,</b> A.Amsath, P.Kumarasamy and S.V.S.Amanulla Hameed.2008.	Toxic effect of heavy metals on the growth condition index of fresh water mussel <i>Lamellidens marginalis</i> (Lamarck).	The National seminar on recent trends in aquaculture biotechnology. Organised by the PG and Research department of zoology Jamal Mohamed College, Tiruchirappalli.		2008
3	Sangeetha.S, R.Jenni, <b>K.Muthukumaravel,</b> A.Amsath, P.Kumarasamy and S.V.S. Amanulla Hameed.2008.	Impact of heavy metals on the growth condition index of estuarine clam <i>Meretrix casta</i> (Chemnitz).	The National seminar on recent trends in aquaculture biotechnology. Organised by the PG and Research department of zoology Jamal Mohamed College, Tiruchirappalli.		2008
4	<b>Muthukumaravel.K,</b> S.V.S.Amanulla Hameed, P.Kumarasamy, A.AmsathA.Murthy and S.Paramandham.2008.	Histopathological lesions induced by chromium in the liver of <i>Oreochromis mossambicus</i> .	The National seminar on recent trends in aquaculture biotechnology. Organised by the PG and Research department of zoology Jamal Mohamed College, Tiruchirappalli		2008
5	Amanulla Hameed.S.V.S. P.Kumarasamy, <b>K.Muthukumaravel,</b> A.Amsath and M. Banumathi. 2008.	Synergistic effect of temperature and salinity on the toxicity of cadmium in an estuarine clam <i>Meretrix casta</i> (Chemnitz). Pp 152-153.	Proceedings of National conference on Climate change in India, organized by Environmental Research Centre, JJ College of Engineering & Technology, Tiruchirappalli-9.		2008

6	Amsath, A., Nazir Ahmed, T. A., Raveendran, S., Kumarasamy, P., <b>Muthukumaravel, K.</b> and Sathick, O. 2008.	Studies on toxic effect organochlorine pesticide, BHC on biochemical constituents of the estuarine fish, <i>Barbus amphibious</i> .	The National seminar on recent trends in aquaculture biotechnology. Organised by the PG and Research department of zoology Jamal Mohamed College, Tiruchirappalli	<b>Proc.on Envirobiotec.,</b> 56-59.	2008
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#### VII. Details of Major/Minor Research Projects taken so far:

S.No	Title of the Project	Funding Agency	Minor/Major	Grant	Period
1	Studies on the feeding preference of small rice grasshopper <i>oxya nitidula</i> (walker) on different paddy varieties	UGC , Hyderabad	Minor	<b>1,35,000</b>	2010-2012
2	Biodiversity, biology and predatory potential of spiders in Muthupet Mangroves	Ministry of Environment , Forests and Climate change, New Delhi	Major	<b>11,53,750</b>	2013 – 2016
3	Studies on the toxicity of pesticides and fertilizers on the physiology , biochemistry and histology of freshwater fishes	UGC Hyderabad	Minor	<b>3,90,000</b>	2014-2016

#### VIII. Orientation / Refresher/Short Term/MOOC/Other Courses Attended:

S.No	Name of the Course	Place of the Course	Duration	Period
1	Orientation Course	ASC-UGC, University of Madras, Chennai	28 Days	01.11.2008 to 28.11.2008
2	Refresher course	ASC-UGC, Bharathiyar University, Coimbatore	21 Days	09.11.2010 to 29.11.2010
3	Workshop for Research Guides	ASC-UGC, Pondicherry University, Puducherry	02 Days	23.09.2010 to 24.09.2010
4	Research Methodology for Research Guides	ASC-UGC, Pondicherry University, Puducherry	02 Days	21.07.2011 to 22.07.2011
5	Refresher course	ASC-UGC, University of Madras, Chennai	21 Days	18.11. 2014 to 08.12.2014
6	NSS Orientation Course	Empanelled Training Institution, Madras School of Social Work, Chennai	07 Days	14.02. 2017 to 20.02.2017
7	Refresher course	ASC-HRDC, Sri Venkateswara University, Tirupati	20 Days	12.11. 2018 to 01.12.2018

#### IX. Other Details:

#### Resource Person in State Level / Symposium/ National / Int. Conferences:



S.No	Name of the Event	Organized By	Date
1	Science Exhibition	The Chief Educational Office, Thiruvavur District	25.10.2019

**Papers Presented in State Level / Symposium/ National / Int. Conferences:** Not Applicable

S.No	Name of the Event	Title of the Paper	Organized By	Date
1				

**Seminars / Conferences / Workshops Organized:**

S.No	Name of the Event	Name of the Organizer	Date	Place
1	Popularization of Science Activities sponsored by Tamil Nadu State Council for Science and Technology, Chennai and National Council for Science and Technology, New Delhi . (Amount : Rs. 25,000)	Dr. K. Muthukumaravel	24.09.2018, 28.09.2018, 03.10.2018	Khadir Mohideen College, Adirampattinam
2	Young Student Scientist Programme sponsored by Tamil Nadu State Council for Science and Technology, Chennai. (Amount :Rs. 3 Lakhs)	Dr. K. Muthukumaravel (Assistant Co-ordinator)	From 24.12.2018 to 07.01.2019	Khadir Mohideen College, Adirampattinam
3	Workshop on Ornamental Fish Culture sponsored by Tamil Nadu State Council for Science and Technology , Chennai. (Amount : Rs. 15,000)	Dr. K. Muthukumaravel	06.01.2019	Khadir Mohideen College, Adirampattinam
4	Workshop on Aquaculture (self-funded)	Dr. K. Muthukumaravel	22.02.2020	Khadir Mohideen College, Adirampattinam
5	Online Training Course on Bee Keeping & E-quiz Contest	Dr. K. Muthukumaravel	19.05.2020 to 23.05.2020	Khadir Mohideen College, Adirampattinam
6	Organizes an online Awareness Quiz on HIV/AIDS	Dr. K. Muthukumaravel	30.05.2020	Khadir Mohideen College, Adirampattinam
7	Organizes Webinar on Biodiversity and its Conservation – World Environment Day 2020	Dr. K. Muthukumaravel	05.06.2020	Khadir Mohideen College, Adirampattinam
8	Webinar on Role of Youth in Eco clubs and Sustained Development of Nature in India	Dr. K. Muthukumaravel	23.07.2020	Khadir Mohideen College, Adirampattinam
9	Workshop on Medical Lab Techniques sponsored by Tamil Nadu State Council for Science and Technology, Chennai. (Amount: Rs. 25,000)	Dr. K. Muthukumaravel	From 08-03-2021 to 09-03-2021	Khadir Mohideen College, Adirampattinam
10	Popularization of Science sponsored by Tamil Nadu	Dr. K. Muthukumaravel	11.02.2022, 12.02.2022 &	Khadir Mohideen College,

	State Council for Science and Technology, Chennai. (Amount: Rs. 25,000)		13.02.2022	Adirampattinam
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### **Seminars / Conferences / Workshops Attended:**

<b>S.No</b>	<b>Name of the Event</b>	<b>Organized By</b>	<b>Date</b>	<b>Place</b>
1	National Seminar on Recent Trends on the study of Aquatic and Terrestrial Bio Resources.	Dept. of Zoology, Annamalai University	27-28 <sup>th</sup> February, 2003	Annamalai University
2	National Seminar on Environmental Geochemistry.	Dept of Earth Sciences, Annamalai University	21-22 March, 2003	Annamalai University
3	Conference on Popularising Eco-friendly practices in Educational Institutions	Loyola College, Chennai	6 <sup>th</sup> & 7 <sup>th</sup> March 2003	Loyola College, Chennai
4	National seminar on the control of insects by plant insecticides	Department of Zoology, Khadir Mohideen College	26-29 <sup>th</sup> May, 2003	Khadir Mohideen College
5	National conference on conservation of Coastal Ecosystems with the help of Biotechnological tools.	Loyola College, Chennai	2003	Loyola College, Chennai
6	International Symposium on Fresh water Aquaculture,	Dept. of Zoology, AVVM Sri Pushpum College, Poondi	12-13 <sup>th</sup> September, 2003	AVVM Sri Pushpum College, Poondi
7	National Seminar on Biovision – 2005	Dept. of Zoology, Annamalai University	2005	Annamalai University
8	National symposium on soil biology in human welfare.	Dept. of Microbiology, Ponnaiyah Ramajayam College, Thanjavur	5-7 <sup>th</sup> October, 2005	Ponnaiyah Ramajayam College, Thanjavur
9	Conference on Current Perspectives in Aquatic Biology	Department of Zoology, Madras University, Chennai	17-18 March, 2006	Madras University, Chennai
10	Conference on Marine Natural Products and Drug Discovery	Alagappa University, Karaikudi	26-28, April 2007	Alagappa University, Karaikudi
11	National conference on Bio science and Biotechnology	Department of Zoology, Govt. Arts College, Nandanam, Chennai.	1 Feb. 2008	Govt. Arts College, Nandanam, Chennai.
12	Recent trends in Environmental Biotechnology	Jamal Mohamed College, Tiruchirappalli	13 <sup>th</sup> March, 2008	Jamal Mohamed College, Tiruchirappalli
13	In national seminar on recent trends in aquaculture practices-towards technological empowerment of aquaculture farmers	Department of Zoology, Bharathiar University, Coimbatore	7 <sup>th</sup> and 8 <sup>th</sup> August. 2008	Bharathiar University, Coimbatore
14	The National seminar on recent trends in aquaculture biotechnology	PG and Research department of zoology Jamal Mohamed College, Tiruchirappalli	19 <sup>th</sup> to 20 <sup>th</sup> August, 2008	Jamal Mohamed College, Tiruchirappalli
15	Conference on Impending approaches to environmental ménage	Department of Chemistry, TBML College, Porayar	25 <sup>th</sup> 26 <sup>th</sup> September, 2008	TBML College, Porayar
16	Conference on Biotechnological approaches for Ecofriendly insect pest management	Department of Zoology, University of Madras	27-28 <sup>th</sup> February 2009	University of Madras Chennai
17	Seminar on Fuzzy Mathematical modeling in agriculture and waste land	Department of Mathematics, Khadir Mohideen College, Adirampattinam	28-29 March, 2009	Khadir Mohideen College, Adirampattinam

	development			
18	International symposium on environmental pollution, ecology and human health	Department of Zoology, S.V. University, Tirupati, India	July 25-27, 2009	S.V. University, Tirupati, India
19	ISOTOPE'10	Department of Zoology, Bharathidasan University Tiruchirappalli -620 024	25,27 July 2009	Bharathidasan University Tiruchirappalli - 620 024
20	National Seminar on Fuzzy Mathematical modeling in agriculture and waste land development	Post Graduate Department of Mathematices, Khadir Mohideen College, Adirampattinam	28 <sup>th</sup> & 29 <sup>th</sup> March 2009	, Khadir Mohideen College, Adirampattinam
21	National Seminar on Awareness of Human Rights and Environment	Post Graduate & Research Department of Computer Science, Khadir Mohideen College, Adirampattinam	1 <sup>st</sup> & 2 <sup>nd</sup> August 2009	, Khadir Mohideen College, Adirampattinam
22	Future prospective of natural products and food as medicine	Department of Zoology, Rajah Serfoji Government College, Thanjavur	1 <sup>nd</sup> & 2 <sup>nd</sup> April 2011	Rajah Serfoji Government College, Thanjavur
23	National Seminar on Emerging trends and challenges in aquatic biotechnology	Post Graduate and Research Department of Zoology, Khadir Mohideen College, Adirampattinam	12 <sup>th</sup> and 13 <sup>th</sup> February 2011	Khadir Mohideen College, Adirampattinam
24	Development of an alternative laboratory curriculum in zoology to replace dissections and experiments with humane techniques	Department of Zoology, Stella Maris College, Chennai	25 <sup>th</sup> & 26 <sup>th</sup> November 2011	Stella Maris College, Chennai
25	Symposium on Current Perspectives in Animal Biotechnology	Department of Environmental Biotechnology, Bharathidasan University, Tiruchirappalli	3 <sup>rd</sup> & 4 <sup>th</sup> February 2011	Bharathidasan University, Tiruchirappalli
26	International symposium on Environmental Risk Assessment	Department of Zoology, Bharathiyar University, Coimbatore	17-19, Oct. 2011	Bharathiyar University, Coimbatore
27	Statistical Analysis Of Biological & Biomedical Data	Department of Zoology, Rajah Serfoji Government College, Thanjavur	24 <sup>th</sup> & 25 <sup>th</sup> January 2012	Rajah Serfoji Government College, Thanjavur
28	Anthropogenic impact on Environment and Bioremediation	Department of Zoology, S.V. University, Tirupati, India	26 – 28 November 2012	S.V.University, Tirupati
29	International Conference on Food technology	Indian Institute of Crop Processing Technology, Thanjavur	4 <sup>th</sup> & 5 <sup>th</sup> January 2013	Indian Institute of Crop Processing Technology, Thanjavur
30	International symposium on Environmental Pollution, Nutrition and Genetics,	Department of Aquaculture, Vikrama Simhapuri University, Nellore, A.P.	27-29 December 2013.	Vikrama Simhapuri University, Nellore, A.P.
31	National conference on “conservation and inventerization of below ground biodiversity”	Department of Zoology, Kongunadu Arts and Science College (Autonomous) Coimbatore.	19-21 December 2013.	Kongunadu Arts and Science College (Autonomous) Coimbatore.
32	National conference on Zoology for Future Education and Research.	Department of Zoology, Queen Mary’s College (Autonomous), Chennai.	23-24 January 2014.	Queen Mary’s College (Autonomous),

				Chennai.
33	Seminar on Microbial pollution in Aquatic Environment	Department of Zoology, Syed Ammal Arts and Science College, Ramanathapuram	14 <sup>th</sup> September, 2014	Syed Ammal Arts and Science College, Ramanathapuram
34	Current trends in Zoology Organized	Department of Zoology, Government Arts College, Vriddhachalam	23 <sup>rd</sup> January 2015	Government Arts College, Vriddhachalam
35	Current perspectives and challenges in Biodiversity and its conservation	Department of Zoology, Rajah Serfoji Govt. Arts College, Thanjavur.	6-7th March 2015.	Rajah Serfoji Govt. Arts College, Thanjavur.
36	Mangroves and Climate Change	Department of Earth Science, University of Madras, Chennai	16-18 July 2015.	University of Madras, Chennai
37	Faunal diversity of Eastern ghats and Eastern Ghats	Zoological Survey of India	3-4 March 2016	ZSI, Chennai.
38	Confederacy "We –The Volunteers – To edify youth integration"	NSS, Anna University, Chennai	8-9 <sup>th</sup> February 2018.	Anna University, Chennai
39	National Conference on The current and future prospects of animal physiology and biotechnology in disease control in the era of interdisciplinary ethnopharmacology	Department of Zoology, S V University, Tirupati	29-30 <sup>th</sup> August 2018	S V University, Tirupati
40	Participated in DBT sponsored International conference on Chronic diseases	Department of Zoology, Bishop Heber College, Tiruchirapalli	19-02-2020.	Bishop Heber College, Tiruchirapalli
41	participated in UGC sponsored workshop on Bee keeping equipment and economic status of Apiculture	Department of Zoology, Govt. Arts college Salem	24-01-2020.	Govt. Arts college Salem
42	Participated in National conference on Wetland biodiversity and its conservation Sponsored by National Biodiversity Authority, MOEF&CC, New Delhi	Department of Zoology, AVVM Sri Pushpam College, Poondi during	30-01-2020 & 31-01-2020	AVVM Sri Pushpam College, Poondi during
43	Training programme on advanced freshwater aquaculture sponsored by TNFU & NFDB, Hyderabad	Tamilnadu Dr.J.Jayalalitha fisheries university, Directorate of sustainable aquaculture, Thanjavur.	12-02-2020	Thanjavur
44	Training programme on Value addition of fruits and vegetables	Indian Institute of Food Processing Technology, Thanjavur	20.1.2020	IIFPT, Thanjavur
45	Online course on Apiculture	Department of Zoology, Ayya Nadar Janaki Ammal College, Sivakasi	13 <sup>th</sup> to 15 <sup>th</sup> May 2020	Ayya Nadar Janaki Ammal College, Sivakasi
46	Webinar on Biodiversity	Department of Zoology, The American College, Madurai	22 <sup>nd</sup> May 2020	The American College, Madurai
47	on Scientific Avenue to COVID 19	SKSD Mahila Kalasala Degree &PG (A) College, TAANUKU	28 <sup>th</sup> May 2020	
48	Webinar on Diabetes – Prevention and	IQAC, St. Joseph's College for Women(A)	29 <sup>th</sup> May 2020	

	Management			
49	National Webinar on COVID 19	Government Arts College, Melur	31 <sup>st</sup> May 2020	Government Arts College, Melur
50	Participated in <b>four week</b> International Faculty Development Online Certificate Course on Medical Bacteriology	Sacred Heart College, Tirupattur- 635 601 In Association with Microbiologist Society of India and Western Rio Janerio State University, Brazil	01-06-2020 to 30-06-2020.	Western Rio Janerio State University, Brazil
51	International Virtual Conference on Covid -19 “Recent Updates and Current Advances”	The American College, Madurai	03-06-2020 to 04-06-2020	The American College, Madurai
52	Participated in national level Webinar on Yoga for Human Excellence with reference to Teachers and students	Government Arts and Science College, Sivakasi	06-06-2020	Government Arts and Science College, Sivakasi
53	Participated in Webinar on PANDEMIC – Past, Present and Future	Tamilnadu State Council for Science and Technology, Chennai	09-06-2020	TNSCST, Chennai
54	Participated in A Seven day online Faculty Development programe on “New Directions and Dimensions in Higher Education”	Arulmigu Palaniandavar Arts College for Women, Palani	09-06-2020 to 15-06-2020	Arulmigu Palaniandavar Arts College for Women, Palani
55	Participated on Webinar on Organic foods and healthy life Style	Jayaraj Annapackiam Colege for Women , Periyakulam, Theni (DT)	10-06-2020	Jayaraj Annapackiam Colege for Women , Periyakulam,
56	Participated online Faculty development Programme on Rejuvenation of Body, Mind and Soul	Ethiraj College for Women, Chennai	15-06-2020 to 19-06-2020	Ethiraj College for Women, Chennai
57	International Virtual Conference on Role of Science and Agriculture towards global food security and rural development.	Shri Krishna University, Chhatarpur, Madhya Pradesh	28-06-2020 to 30-06-2020	Shri Krishna University, Chhatarpur, Madhya Pradesh
58	Intellectual property management	Tamilnadu State Council for Science and Technology, Chennai	12.01.2022	TNSCST, Chennai
59	Quality Enhancement Strategies for Higher Education	Sri Saradha College for Women	05-01-2022 – 12-01-2022	Sri Saradha College for Women
60	DBT sponsored International Conference on Biological Science	Department of Zoology, Ayya Nadar Janaki Ammal College, Sivakasi	04-01-2022- 05-10-2022	Ayya Nadar Janaki Ammal College, Sivakasi
61	Science and Society	Tamilnadu State Council for Science and Technology, Chennai	28-4-2022	TNSCST, Chennai
62	Intellectual Property Rights	Tamilnadu State Council for Science and Technology, Chennai	02-08-2022	TNSCST, Chennai

### Books Written and Published:

S.No	Name of the Book	ISBN Number	Name of the Publication Agency	Month & Year
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1	Estuarine Biology	978-93-80173-14-6		2011
2	Economic Entomology	978-93-80173-14-6		2011

**Member in Journal Editorial Board:**

S.No	Name of the Journal	ISSN (Online) & ISSN (Print)	Country	Date (From...)
1	International Journal of Entomology Research, Thomson Reuters (Web of Science)	ISSN: 2455-4758	India	From January 2022 to till date

**Member in Journal Reviewer Board:**

S.No	Name of the Journal	ISSN (Online) & ISSN (Print)	Country	Date (From...)
1	Uttar Pradesh Journal of Zoology - (h5-index: 2 and h5-median: 2)	(Print ISSN: 0256-971X)	India	

**Membership in Academic Body / Board of Studies:** Not Applicable

S.No	Name of the Academic Body / College / University	Address of the Academic Body / College / University	Duration	Total Years
1	Convenor in College Transport Committee	Khadir Mohideen College, Adirampattinam	2019-2020	1
2	Member in Discipline Committee	Khadir Mohideen College, Adirampattinam	2018-2020	2
3.	Secretary, KMC Alumni Association	Khadir Mohideen College, Adirampattinam	2019-2020	1
4.	Member in IQAC	Khadir Mohideen College, Adirampattinam	2021-2022	1

**Guest Lecturer:**

S.No	Name of the College	Title of the Lecture	Date	Hours
1	The Sri Kumaran B.Ed., College, Thamarankottai, Pattukkottai	Environmental Education	20.5.2017	2 Hrs
2	Department of Zoology, Annai Vailankanni Arts and Science College, Thanjavur	Endocrine Glands	24.05.2022	2 Hrs

**Membership of Professional Bodies:** Not Applicable

S.No	Name of the Professional Body	Place / Country	Reg. Number	Date
1	Fellow of Society Environmental Science (FSES)	India		2008

**Details of Participation in Extra & Co-Curricular Activities in Our & Other Colleges:**  
Not Applicable

<b>S.No</b>	<b>Name of Activity</b>	<b>Period</b>
1	Eco club Co- coordinator	07.04.2018 - 31.05.2020
2	National Service Scheme (NSS) – Programme Officer	22-07-2016 – 01.05.2019
3	Red Ribbon Club (RRC) Programme Officer	22-02-2020 – 26-08- 2021

**Honors and Awards Received: NA**

<b>S.No</b>	<b>Name of the Award</b>	<b>Name of the Awarding Organization / Body</b>	<b>Place</b>	<b>Date</b>