

BIODATA



Name : **M. POONKOTHAI**
Qualification : M.Sc., M.Phil., Ph.D.
Department : Zoology
Designation : Assistant Professor (SG)
Date of Birth / Age : 18. 05. 1978/ 40 years
Address for correspondence : 177,178- IC Sangeetha apartments
Ramalingam Colony,
Avinashilingam University (Post),
Coimbatore – 641 043.
Telephone : +9198654 18581
Email : poonkothaiadu@gmail.com

Research Degree

Ph.D. - Bioremediation of nickel electroplating effluent and its impact on the growth and biochemical constituents of green gram and cat fish, at Avinashilingam Deemed University for Women, Coimbatore (18th May 2010)

Achievement

Qualified in Tamil Nadu State Level Eligibility Test for Assistant Professorship (SLET) - 2000

Teaching experience

P.G. Classes : 18 years (SF- 5 Years, Aided- 13 years)
U.G. Classes : 16 years (SF- 5 Years, Aided- 13 years)

Research Experience : 18 years (PG)/ 5 years (M.Phil/ Ph.D)

Thesis Completed : M.Sc., (22 completed), M.Phil., (1 completed, 1 pursuing)
Ph.D., (2 pursuing)

Fields of Specialization : Environmental Biology, Microbiology and Biotechnology

Publications

S. No	Authors	Title of Article	Name of the Journal Year, Vol, Page No	ISSN No. & Impact Factor
1	Alaguprathana M, Poonkothai M and Rubini , M	Decolourisation of methyl orange dye using <i>Aspergillus fumigatus</i>	Research in Environment and Life Sciences, (2018), 11(01), 7-15	09744908
2	Siva Dharshini R., Poonkothai M and Santhy, K.S	Characterization of drinking water quality of Pilloor dam, Coimbatore district, Tamil Nadu, India,	International Research Journal of Environmental Sciences, (2018), 7(2), 49-53	2319-1414
3	Abirami, S., Nishanthini, K., Poonkothai, M	Antimicrobial activity and phytochemical screening of the leaf extracts of <i>Eucalyptus globulus</i>	International Journal of Current Pharmaceutical Research, 2017, 9(5), 85-89	0975-7066
4	Alaguprathana M and Poonkothai M.	Bioremediation of Textile Dyeing Effluent Using Algae - A Review	Journal of Advances in Microbiology, 2017,7(1), 1-12	2456-7116
5	Alaguprathana M and Poonkothai M.	Antimicrobial and Phytochemical Analysis of <i>Pithora varia</i>	Asian Journal of Research in Medical and Pharmaceutical Sciences, 2017, 2(2), 1-7.	2457-0745
6	Alaguprathana M and Poonkothai M.	<i>Spirogyra gracilis</i> - A potent algae for the remediation of textile dyeing effluent	Journal of Environment and Bioscience,2017, 31(2), 1-11	0973-6913
7	Alaguprathana M and Poonkothai M.	Decolourisation of the textile dye methyl red from aqueous solution using sugarcane bagasse pith	Asian Journal of Advances in Agricultural Research, 2017,3(3), 1-9	2456-8864
8	Alaguprathana M and Poonkothai M.	Impact of untreated and bioremediated methyl orange on seed germination, growth and yield of flower plants- Marigold (Yellow and orange), <i>Celosia argentea</i>	International Journal for Innovative research in Science and Technology, 2017, 4(4), 73-81	2349-6010
9	Alaguprathana M and Poonkothai M.	A kinetics and Isotherm study of Alizarin Red S absorption on Sugarcane Bagasse: Batch Studies	Environment and Ecology, 2017, 36(1A), 255-261	0970-0420
10	Alaguprathana M and Poonkothai M.	Sugarcane Bagasse - A potential low cost bioadsorbent for the removal of reactive blue dye	Chemical Science Review and Letters, 2016, 5(20), 13-20	2278-6783
11	M.Poonkothai and B.Shyamala Vijayavathi	<i>Fusarium solani</i> - A bioadsorbent for the removal of nickel from nickel electroplating effluent	International Journal of Advanced Science and Engineering, 2016, 2(3), 134-137	2349 5359

12	P. Karthiga Devi, K.Venkatachalam and M.Poonkothai.	Spectroscopic, optical, thermal, antimicrobial and density functional theory studies of 4-aminopyridinium 4-hydroxy benzoate hydrate crystal	Journal of Molecular Structure, 2016, 1119, 462-471	0022-2860 IF – 1.683
13	M. Poonkothai	Bioremediation of Heavy Metals - An Environmental Cleanup Technology	International Journal of Advanced Science and Engineering, 2015, 1(3), 64-71	2349 5359
14	M.Poonkothai and B.Shyamala Vijayavathi	Physicochemical characterisation of nickel electroplating effluent before and after treatment with dead <i>Aspergillus niger</i>	International Research Journal of Pharmaceutical and Biosciences, 2015, 2(6), 01 – 13	2394-5826(p) 2394-5834(e)
15	K.Kaleeswari and M.Poonkothai	Decolourisation of reactive dye by <i>Aspergillus niger</i> and its impact on the growth of <i>Zinnia elegans</i>	Indian Journal of Environmental Protection, 2015, 35 (9), 764-772	2394 – 5826
16	Alaguprathana M and Poonkothai M.	Bio-sorption of physico-chemical constituents in textile dyeing effluent using <i>Spirogyra gracilis</i> Kützing.,	Journal of Algal Biomass Utilization, 2015, 6 (2): 11-21	2229–6905
17	P. Nithya Devi, S. Kaleeswari and M.Poonkothai	Antimicrobial activity and phytochemical analysis of fruit extracts of <i>Terminalia bellerica</i>	International Journal of Pharmacy and Pharmaceutical Sciences, 2014, 6(5), 639-642	0975-1491 IF – 1.59
18	RameejaBegum, A. and Poonkothai,M	In vitro antimicrobial activity and phytochemical analysis of <i>Brassica oleracea</i>	International Journal of Pharmacy and Pharmaceutical Sciences, 2013, Vol. 5, Suppl 2, 405- 408	0975-1491 IF – 1.1
19.	M.Poonkothai and B.Shyamala Vijayavathi	Nickel as an essential element and a toxicant	International Journal of Environmental Sciences, 2012, 1(4), 285-288	2277-1948
20	J. Shantha and M.Poonkothai	Biosorption of nickel electroplating effluent using <i>Rhizopus</i> species and its impact on the growth of cow pea	International Journal of Life Sciences, 2012, 1(4), 96-100	2277-193x
21	S.Hema Iswarya, R. Raja, M.Poonkothai and C.Anbazhagan	Comparative study on the antimicrobial activities of three Indian medicinal plants	Egyptian Journal of Biology, 2009, Vol. 11, 52-57	1110 – 6859
22	M.Poonkothai, M.Saravanan and K.Kalaiarasi	Decolourisation of Congo red and Crystal violet by fungal isolates	Research Journal of Biological Sciences, 2009, 1 (4), 210-214	0974 -4177
23	M.Poonkothai, M.Saravanan and K.Kalaiarasi	Decolourisation of Congo red and Crystal violet by fungal isolates	Research Journal of Biological Sciences, 2009, 1 (4), 210-214	0974 -4177

24	B. Shymala Vijayavathi, M.Poonkothai and H.Vasanth Kumari	Effect of treated Protein Products of India (PPI) effluent on seed germination and seedling development of cow pea (<i>Vigna unguiculata</i>)	Indian Journal of Agricultural Research, 2008, 42(2), 144-146	0367 -8245
25	M.Poonkothai and M.Saravanan	Antibacterial activity of the <i>Aegel marmelos</i> against leaf, bark and fruit extracts	Ancient Science of Life, 2008, XVII(3), 15-18	0257 -7941
26	N.Krishnaveni, M.S. Aparna and M.Poonkothai	Studies on <i>Arthobacter fluorescence</i> – A nitrogen fixing bacterium	Plant Archives, 2007, 7(2), 641-642	0972 -5210
27	R.Kumuthakalavali, and M.Poonkothai	Growth performance and mass multiplication of antidiabetic <i>Gymnema</i> species of Sirumalai hills	Journal of Current Sciences, 2006, 9(2), 635-638	0972 -6101
28	B. Shymala Vijayavathi, M.Poonkothai and P.Mahsewari	Physico-chemical characterisation of Orathupalayam reservoir water and its effect on the growth performance of pearl millet (<i>Pennisetum typhoides</i> ICMV-221)	Journal of Industrial Pollution Control, 2006, 22(2), 257-260	0970 -2083
29	B. Shymala Vijayavathi, M.Poonkothai and S.Venkata Padmavathy	Physico-chemical characteristics of treated paper mill effluent and its effect on the soil properties	National Journal of Life Sciences, 2006, 3(1), 75-77	0972-995X
30	M.Poonkothai	Antibacterial activity of the leaf extracts of <i>Abutilon indicum</i>	Ancient Science of Life, 2006, XXVI (1&2), 39-41	0257 -7941
31	M.Poonkothai, S.Hemaiswarya D.Kavitha and K.Vallikannu	Antibacterial activity of the leaves of <i>Galinsoga ciliata</i>	Asian Journal of Microbiology, Biotechnology & Environmental Sciences, 2005, 7(4), 747-748	0972 -3005
32	M.Saravanan, K.T.P.B.Ponnellan, R.Suchitra, M.Poonkothai and K.Kalaiarasi	Biodegradation of oil and grease in automobile waste water using immobilised extracellular enzyme producing bacteria	Journal of Ecological Research and Bioconservation, 2005, 6(1&2), 48-52	0972 7841
33	M.Poonkothai and R.Parvatham	Biophysico chemical assessment of automobile waste water.	Journal of Industrial Pollution Control, 2005, 21(1), 59-62	0970 -2083
34	M.Poonkothai and R.Parvatham	Biodegradation of automobile waste water using bacterial isolates	Pollution Research, 2005, 24(3), 605-607	0257 8050
35	P.Mythili, K.T.P.B.Ponneelan, R.Suchitra and M.Poonkothai	Biodegradation of tannery effluent using <i>Pseudomonas aeruginosa</i> and <i>Bacillus subtilis</i>	Indian Journal of Environment and Ecoplanning, 2005, 10(1), 101-103	0972 1215

36	M.Poonkothai, S.Hemaiswarya and D.Kavitha	Antibacterial activity of <i>Gymnema sylvestre</i>	Journal of Ecotoxicology and Environmental Monitoring, 2005, 15(1), 33-36	0971-0965- 15-05-33
37	M.Poonkothai, S.Hemaiswarya and D.Kavitha	Antibacterial activity of <i>Withania somnifera</i>	Journal of Microbial World, 2005, 7(1), 97-99	0972- 1487
38	M.Poonkothai, S.Hemaiswarya D.Kavitha and K.Vallikannu	Impact of automobile waste water on germination and seedling growth of Black gram (<i>Vigna mungo</i>)	Ecology Environment and Conservation, 2005,11(3&4), 399-401	0971-765X
39	M.Poonkothai, S.Hemaiswarya D.Kavitha and K.Vallikannu	Antibacterial activity of <i>Gymnema sylvestre</i> , <i>Couroupita guianensis</i> and <i>Withania somnifera</i>	Plant Archives, 2005, 5(1), 93-96	0972-5210
40	R.Kumuthakalavali, and M.Poonkothai	Conservation of antidiabetic <i>Gymnema</i> species of Sirumalai Hills-An Evaluation	Journal of Extension Research, 2004, VI (1&2), 2-5	972
41	Poonkothai, M., Mahalakshmi,K.	Biochemical characterization of amylase from <i>Aspergillus niger</i> and its application in desizing	Research Highlights, JADU., 2015, 25, 43-55	2231-2374

Research projects

Title of the Project	Funding Agency	Duration	Total Amount
Bioremediation of nickel from electroplating effluent using <i>Rhizopus</i> species (Student Project)	TNSCST	One Year (2009-2010)	Rs. 10,000/-
Studies on the antimicrobial potential and phytochemical analysis of selected vegetables (Student Project)	TNSCST	One Year (2011-2012)	Rs. 5000/-
“Creating Awareness among the Tribal Women of Maruthamali on the Pharmacognostic Properties of Rudhraksham Tree, <i>Elaecarpus</i> sp”.	UGC sponsored Inhouse project	4 months (No.AIHS&HE/R/2016, Dated 5.12.2016)	Rs.30,000/-

International / National Conferences/Seminars/Workshops (Participation)

S.No	Author	Name of the Conference	Sponsor	Organizer	Date
1	M.Poonkothai	National seminar on “Current Trends in Biological Sciences”	-	Department of Biochemistry and Biotechnology, Avinashilingam Institute for Home Science and Higher Education for Women-Deemed University, Coimbatore	12 th & 13 th December 2002
2	M.Poonkothai	Symposium on “A journey down the double helix ”	-	Department of Biochemistry and Biotechnology , Avinashilingam Deemed University, Coimbatore	24 th February 2003
3	M.Poonkothai	National Seminar on “Recent Trends in Industrial Biotechnology”	DBT, Govt. of India	Department of Biotechnology, Kumaraguru College of Technology, Coimbatore	27 th & 28 th January 2005
4	M.Poonkothai	Symposium on “Recent Trends in Biochemistry ”	-	Department of Biochemistry and Biotechnology , Avinashilingam Deemed University, Coimbatore	23 rd March 2005
5	M.Poonkothai	National Symposium on “Genome Projects – Prospects and Problems”	Society of Biological Chemists (India), Coimbatore Branch	Department of Biochemistry and Biotechnology Avinashilingam Deemed University, Coimbatore	1 st February 2006
6	M.Poonkothai	Regional Seminar on “Medicinal plants- A boon to community”	-	Department of Botany, Avinashilingam Institute for Home Science and Higher Education for Women-Deemed University, Coimbatore	17 th February 2006
7	M.Poonkothai	Spring Board - Women’s Development programme	-	British Council and Centre for Women’s Studies, Avinashilingam Deemed University for Women, Coimbatore	3.12.2005 to 25.02.2006
8	M.Poonkothai	National Seminar cum Workshop on “Computer – Aided Drug Design”	-	Department of Biochemistry, Biotechnology and Bioinformatics, Avinashilingam University for Women, Coimbatore and Schrodinger USA	28 th and 29 th July 2008

9	M.Poonkothai	State level Seminar on “Developing social harmony and national integration among NSS volunteers”	-	National Service Scheme, Avinashilingam University for Women, Coimbatore and Rajiv Gandhi National Institute of Youth Development, Sriperumpudur	23 rd August 2008
10	M.Poonkothai	State Level Seminar on “Climate change and Biodiversity”	TNSCST	Department of Zoology, Avinashilingam University for Women, Coimbatore	8 th December 2008
11	M.Poonkothai	“Workshop on Life Skills Education”	-	National Service Scheme, Avinashilingam University for Women, Coimbatore & Rajiv Gandhi National Institute of Youth Development, Sriperumpudur	13 th and 14 th February 2009
12	M.Poonkothai	Regional Symposium on “Problems and Prospects of Women in Development – Gandhian Thought”	-	Gandhian Studies Centre & Department of Home Science Extension Education, Avinashilingam University for Women, Coimbatore	2 nd and 3 rd October 2009
13	M.Poonkothai	Anti Leprosy Day and Awareness Programme	-	Avinashilingam University for Women, Coimbatore	2 nd February 2010
14	M.Poonkothai	Workshop on “Sensitization of UGC norms for promotion and recruitment of University teachers (XI Plan regulations)”	-	Avinashilingam Deemed University for Women, Coimbatore	30 th November 2010
15	M.Poonkothai	Workshop on “Innovations in Teaching Methods”	UGC	IQAC, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore	28 th September 2012
16	M.Poonkothai	Workshop on “Management of Plastics for Environmental Conservation”	-	Forest College and Research Institute, TNAU, Mettupalayam and Department of Environment, Govt. of Tamil Nadu, Chennai	28 th January 2013
17	M.Poonkothai	Organiser of Research Convention titled “Research ethics & Post Research Methods”	-	Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore	1 st -3 rd August 2013

18	M.Poonkothai	Workshop on “Generation and Validation of MCQs”	UGC	Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore	1-3 July 2013
19	M.Poonkothai	Organiser of Research Convention titled “Path Finder – Explore, Experiment, Elucidate Research	-	Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore	5 th – 7 th February 2014, 23 rd – 24 th January 2015
20	M.Poonkothai	Workshop On “Alternatives To use of Animals in Life Science Education for Zoology Teachers”	-	Department of Zoology, PSGR Krishnammal College for Women, Coimbatore	3 rd February 2015
21	M.Poonkothai	Organiser of Research Convention titled “Post Research Methods”	-	Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore	3 rd & 4 th August 2015
22	M.Poonkothai	Workshop on “Training of Trainers in National Building Activities Towards Educational Equity in Universities”	-	Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore.	5 th March 2016
23	M.Poonkothai	2 nd National Conference on Fundamental and Applied Chemistry	-	Chemical Science Review and Letters	4 th June 2016
24	M.Poonkothai	One day Workshop on “Scholarly Communication and Quality Journal Paper Writing”	DST – CURIE	Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore	28 th July 2017
25	M.Poonkothai	One day students workshop on “Aquarium Construction, management and Ornamental Fish Culture”	-	Department of Zoology, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore	5.01.2018

Paper Presented in Seminar/ Symposium/ Conference

S.No	Author	Title of the paper	Name of the Conference	Organizer & Sponsor	Date
1	M.Poonkothai	Antibacterial activity of the leaf extracts of <i>Enicostemma littorale</i>	National Seminar on “Medicinal Plants and Herbal exhibition”	Department of Botany, Kandaswami Kandar’s College, Velur, Sponsored by TNSCST and NCSTC, New Delhi	12 th February 2005
2	M.Poonkothai	In vitro effect of Ricinine- A plant alkaloid on cultures of Rhabdomo sarcoma	National symposium on “Recent Trends in the Research and Management of Cancer”	Department of Biochemistry and Biotechnology, Avinashilingam University for Women, Coimbatore	15 th December 2006
3	M.Poonkothai	Characterization of nickel resistant bacteria from nickel electroplating effluent	National Conference on “Microbial Ecology, Biodiversity, Molecular Techniques and its Prospects”	Department of Microbiology, Kandaswami Kandar’s College, Velur, Sponsored by CSIR & DST, New Delhi	12 th & 13 th December 2008
4	M.Poonkothai	Enhancement of Information and communication Technologies (ICT) for higher education	National Level Seminar on “ Enhancement of Service Quality in Higher Education Institution”	Internal Quality Assurance Cell, Dr.SNS Rajalakshmi College of Arts and Science, Sponsored by NAAC	18 th &19 th March 2011
5	M.Poonkothai	Antibacterial activity and phytochemical screening of the seed extracts of <i>Lepidium sativum</i>	National Conference on “Microbial Technology for Sustainable Development”	Department of Biology, The Gandhigram Rural Institute –Deemed University, Gandhigram Sponsored by- UGC, New Delhi	1&2 February 2013
6	M.Poonkothai	Bioremediation of automobile wastewater using fungal isolates	4 th Indo Korean Conference on “Integrative Bioscience Research-Opportunities and Challenges”	Faculty of Science and Home Science, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore, Sponsored by- UGC, DST – CURIE, NRF – South Korea	10 th & 11 th February 2012

7	M.Poonkothai	Removal of nickel from electroplating effluent using <i>Fusarium solani</i> as a bioadsorbent	4 th International Conference on “Technology Development on Agriculture, Energy and Environmental Engineering for Green World”	Department of Biotechnology, Vivekananda College of Engineering for Women, Tiruchengode, Namakkal	23 rd and 24 th Feb 2015
8	M.Poonkothai	Evaluation of phytochemical and antimicrobial activity of beetroot	International Conference on Translational Cancer Research (ICTCR 2015)	Department of Biochemistry, Biotechnology and Bioinformatics, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore, Sponsored by UGC, New Delhi & The US Consulate Generals, Chennai	14-16 th December 2015
9	M.Poonkothai	Biosorption of nickel from nickel electroplating effluent using <i>Cladosporium</i> species	National Level Symposium on “Biogalaxia’ 15 Biorevolution - Trends for Scientific Harmony”	Department of Microbial Biotechnology, Bharathiar University, Coimbatore	18 th December 2015
10	M.Poonkothai	Biodegradation of nickel electroplating effluent by <i>Micrococcus luteus</i>	National Seminar on “Frontiers in Bioprocess Technology and Microbial Ecology (FBTME - 2016)”	Department of Microbiology, Periyar University, Salem, Sponsored by UGC, New Delhi, DST, DBT and TNSCST	28 & 29 th January 2016
11	M.Poonkothai	Bioremoval of nickel from nickel electroplating effluent using <i>Bacillus subtilis</i>	National Conference on “Perspectives and Prospects in Aquatic Research”	Department of Zoology, Kongunadu Arts and Science College, Coimbatore, Sponsored by UGC, New Delhi, and OSAI	16 th February, 2016
12	M.Poonkothai	Optimization of amylase from <i>Pseudomonas aeruginosa</i> and its application in textile industry	National Conference on “Eco-Textiles and Green Consumerism” ETGC – 2016	Department of Textiles and Clothing, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore. Sponsored by UGC, New Delhi	9 th & 10 th March 2016

13	M.Poonkothai	Decolourisation of congo red by <i>Rhizopus stolonifer</i> – An ecofriendly approach	Seminar on “Environment and Sustainable Development”	Department of Chemistry, Faculty of Science and Humanities, SRM University, Kattankulathur, Kancheepuram, Sponsored by IRD, India	3 rd June 2016
14	M.Poonkothai	<i>Aspergillus niger</i> – A promising biosorbent in the removal of safranin from aqueous solution	National conference on “Exploring Microbes – 2020”	Department of Microbiology, Karpagam University, Coimbatore	30 & 31 st August 2016
15	M.Poonkothai	Bioremoval of methyl red using <i>Aspergillus niger</i> from aqueous solutions	International Conference on Wastewater Management (ICWW-2017)	Department of Civil Engineering, Textile Technology and Biotechnology, Kumaraguru College of Technology	17-19 th August 2017

Full Papers as Proceedings in Conference/Seminar/ Symposium

S. No.	Author	Title of the paper	Name of the Conference/ ISBN No.	Organizer & Sponsor	Date
1	J.Shantha and M. Poonkothai	Bioremediation of nickel from electroplating effluent using <i>Rhizopus</i> species	DBT Student Research Projects Scheme	TNSCST, Chennai	2009 -2010
2	M.Poonkothai	Enhancement of Information and Communication Technologies (ICT) for Higher Education	National Level Seminar on Enhancement of Service Quality in Higher Education Institution	IQAC, Dr.SNS Rajalakshmi College of Arts and Science, Coimbatore, Sponsored by NAAC	18 th & 19 th March 2011
3	RameejaBegum, A. and M.Poonkothai	Studies on the antimicrobial potential and phytochemical analysis of selected vegetables	Student Projects Scheme Seminar cum exhibition	TNSCST, Chennai	2011-2012
4	Alaguprathana M. and Poonkothai M.	Influence of different environmental factors on the decolourisation of textile dye methyl orange by <i>Aspergillus niger</i>	National Level Seminar on “Eco-waste Management and Nanobiology” 9789386176363	Department of Zoology, Sri GVG Visalakshi College for Women, Udumalpet, Sponsored by UGC, New Delhi	20 th October 2016

5	Poonkodi, A., Alaguprathana, M and Poonkothai, M	Removal of direct red 81 from aqueous solutions by adsorption using sugarcane bagasse - UGC	National Level Seminar on “Eco- waste Management and Nanobiology” 9789386176363	Department of Zoology, Sri GVG Visalakshi College for Women, Udumalpet, Sponsored by UGC, New Delhi	20 th October 2016
6	Siva Dharshini, R and Poonkothai, M	Antimicrobial activity and phytochemical screening of <i>Eupatorium perfoliatum</i> Leaf Extracts	National Seminar on Recent Innovations in Science and Technology 978-93-87102-87-3	Department of Chemistry, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore. Sponsored by UGC & DST - CURIE	23 rd February 2018

Books Published

S. No	Authors	Chapter in Books/ Edited Books / Full Book	Publisher/Edition	ISBN No.
1	Dr. M. Poonkothai	Environmental Education (As per the new syllabus of Tamilnadu Teachers Education University)	Samyukdha Publications Salem, Tamil Nadu, First Edition, May 2016	978-93- 81724-32-3
2	Dr. M. Poonkothai	Environmental Education	Samyukdha Publications Namakkal, Tamil Nadu, First Edition, August 2011	978-93- 817240-0-2
3	Dr. M. Poonkothai	□ □ □ □ □ □ □ □ □ □ □ □ □ □ □	Samyukdha Publications Namakkal, Tamil Nadu, First Edition, August 2011	978-93- 817240-1-9
4	Dr.M.Poonkothai, Dr.G.Maheswari Dr.N.Krishnaveni	□ □	Samyukdha Publications Salem, Tamil Nadu , First Edition, September 2014	978-93- 81724-12-5

CHAPTERS IN BOOKS				
1	M.Poonkothai	Food and Nutrition	Physical and Health Education, Samyukdha Publications, Salem, Tamil Nadu, August 2012, First Edition	978-93-81724-11-8
2	M.Poonkothai	Common communicable diseases	Physical and Health Education, Samyukdha Publications, Salem, Tamil Nadu, August 2012, First Edition	978-93-81724-11-8

Popular Articles Published in Vigyana Chudar (Tamil) -12

Modules for the ePG Pathshala

Human Physiology : Modules

- ▶ F09HP14-Structure and Functions of GI Tract
- ▶ F09HP15 - Role of liver and pancreas
- ▶ F09HP16-Motility and hormones of GI Tract

Orientation/ Refresher Course /Faculty Development programme

- ▶ UGC sponsored 65th *Orientation course*, Academic Staff College, Bharathiar University, Coimbatore from 04.11.2006 to 01.12.2006
- ▶ UGC sponsored *Refresher course in Zoology*, Academic Staff College, Bharathiar University, Coimbatore from 03.03.2010 to 23.03.2010
- ▶ Orientation course in NSS, Avinashilingam Deemed University for Women, Coimbatore from 18.08.2010 to 27.08.2010
- ▶ UGC sponsored *Refresher course in Life Sciences – Zoology*, Academic Staff College, Bharathiar University, Coimbatore from 09.02.2011 to 01.03.2011
- ▶ UGC sponsored *Environmental Studies* organized by Department of Botany and Zoology, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore from 27.04.2015 to 1.05.2015
- ▶ UGC sponsored National Level Faculty Development Programme on *Advanced Research Analysis Avinashilingam School of Management Technology*, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore from 11.09.2017 to 17.09.2017

Invited Talks

- ▶ Special lecture on “*Impact of Human Activities in the Environment*” organised by YRC and NSS Units (6, 8, 9 & 21) on 26.02.2018, at Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore – 43.
- ▶ Guest lecture on “*Developing the research skills of Under Graduate students to execute projects*” organized by the Department of Zoology, Sri GVG Visalakshi College for Women (Autonomous), Udumalpet on 28th September 2016.
- ▶ Guest lecture on “*Techniques in Biotechnology*” organized by the Department of Zoology, Sri GVG Visalakshi College for Women (Autonomous), Udumalpet on 26th September 2017.

Other relevant information

- ▶ Scrutinizing committee member for question paper setting
- ▶ Subject expert for Doctoral committee meeting, Periyar University
- ▶ Organising Secretary in one day workshop on “Virtual Animal Dissections” held in Department of Zoology, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore on 21st March 2017
- ▶ Organising Secretary in one day workshop on “Scientific data analysis and graphing using software” in Department of Zoology, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore on 30th June 2017
- ▶ BOS member, Department of Zoology, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore
- ▶ Coordinator for Eco club, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore