

**The American College, Madurai**  
**FACULTY PROFILE**

**Name** : Dr. A. SURENDRAN  
**Designation** : Assistant Professor  
**Department** : Biochemistry  
**Date of Joining** : 28/06/2017  
**Phone with Ext.No** : 0452- 2530070  
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**Education Qualification:**

Degree	Subject	College/University & Place	Year Completed
B.Ed.	Life Science	RKPET College of Education, Hosur	2013
Ph.D.	Biotechnology	Bharathidasan University, Tiruchirappalli	2012
M.Phil.	Zoology	The American College, Madurai	2004
M.Sc.	Zoology (Biotechnology)	The American College, Madurai	2003
B.Sc.	Zoology (Biotechnology)	The American College, Madurai	2001

**Specialization in Teaching:**

- Biotechnology
- Molecular Biology
- Microbiology
- Immunology
- Nutritional Biochemistry
- Enzymes
- Human Physiology
- Genetics & Cell biology

**Specialization in Research:**

- Mosquito Biology and Control
- r-DNA Technology

**Research Interests:**

- Bio Pesticides
- Environmental Biotechnology

**Working Experience:**

<b>Designation</b>	<b>Institution / Company</b>	<b>Year – From (month/year) To (month/year)</b>
Lecturer	Ananda College of Arts and Science, Devakottai	July 2004 to May 2012
Assistant Professor	Thiagarajar College of Arts and Science, Madurai	June 2016 to May 2017
Assistant Professor	The American College, Madurai	June 2017 onwards

**Administrative /Academic Position/s (held / currently holding):**

<b>Positions held / currently holding</b>	<b>Year – From (month/year) To (month/year)</b>
Additional Controller of Examinations, Ananda College of Arts and Science, Devakottai	July 2004 to May 2007
HOD, Department of Biochemistry, Ananda College of Arts and Science, Devakottai	June 2007 to March 2012
IQAC Convener, Ananda College of Arts and Science, Devakottai	June 2009 to May 2011
R&D Coordinator, Ananda College of Arts and Science, Devakottai	June 2011 to March 2012
PG Biotechnology Association President, Thiagarajar College of Arts and Science, Madurai	June 2016 to May 2017
PG Food Science Association President, The American College, Madurai	June 2017 to May 2018

**Membership in Professional Bodies:**

<b>Positions held / currently holding</b>	<b>Year – From (month/year) To (month/year)</b>
External Examiner, Alagappa University, Karaikudi	June 2005 to March 2012
Member, Board of Studies, Ananda College of Arts and Science, Devakottai	June 2005 to March 2012
Member, Board of Studies, Thiagarajar College of Arts and Science, Madurai	June 2016 to May 2017
Member, Board of Studies, The American College, Madurai	June 2017 to till date

## Articles published in International Journals:

1. **Surendran A** and Selvaraj Pandian R. (2008). Evaluation of Larvicidal Activity of *Pseudomonas fluorescens* Isolates against the Filarial Vector Mosquito, *Culex quinquefasciatus*, *Asian Journal of Microbiology, Biotechnology and Environmental Sciences*, 10 (1): 65-68. [SCOPUS indexed journal; UGC approved journal (No. 8799); ISSN: 0972-3005; NAAS Score – 4.93]  
[http://www.envirobiotechjournals.com/article\\_abstract.php?aid=1902&iid=68&jid=1](http://www.envirobiotechjournals.com/article_abstract.php?aid=1902&iid=68&jid=1)
2. **Surendran A** and John Vennison S. (2011). Transfer of Toxin Coding Megaplasmid of *Bacillus thuringiensis* subsp. *thompsoni* into *Bacillus sphaericus*, *International Journal of Applied Biology and Pharmaceutical Technology*, 2(3): 366-373. [IF:1.70; ISSN: 0976-4550; h-index:28]  
[http://ijabpt.com/pdf/56050-Surendran\[1\].pdf](http://ijabpt.com/pdf/56050-Surendran[1].pdf)
3. **Surendran A** and John Vennison S. (2011). Occurrence and Distribution of Mosquitocidal *Bacillus sphaericus* in Soil, *Academic Journal of Entomology*, 4(1):17-22. [ISSN: 1995-8994; eISSN: 2221-3430]  
[https://www.researchgate.net/publication/228490756\\_Occurrence\\_and\\_Distribution\\_of\\_Mosquitocidal\\_Bacillus\\_sphaericus\\_in\\_Soil](https://www.researchgate.net/publication/228490756_Occurrence_and_Distribution_of_Mosquitocidal_Bacillus_sphaericus_in_Soil)
4. **Surendran A**, John Vennison S, Ravikumar S and Syed Ali M. (2011). Optimization of Alkaline protease production by *Bacillus sphaericus* SBS4, *Journal of Pharmacy Research*, 4(5): 1517-1519. [IF: 2.97; ISSN: 0974-6943]  
<http://jprsolutions.info/newfiles/journal-file-56d97f6571d176.20096725.pdf>
5. Geetha, **Surendran A** and Thatheyus AJ. (2018). Influence of Amazon Sailfin Catfish, *Pterygoplichthys pardalis* on the Chemical Characteristics of Dairy Effluent, *Specialty Journal of Architecture and Construction*, 5 (1): 23-32. [IF: 0.249; ISSN: 2412-740X]  
<https://sciarena.com/en/article/influence-of-amazon-sailfin-catfish-ptyerygoplichthys-pardalis-on-the-chemical-characteristics-of-dairy-effluent>
6. Ilavarasi A, **Surendran A** and Thatheyus AJ. (2019). Biodecolourisation of textile dye effluent using chitosan. *Specialty Journal of Biological Sciences*, 5(1): 1-7. [IF: 1.028; ISSN: 2412-7396]  
<https://sciarena.com/storage/models/article/mGGjJejOgoW3VkrmxoT6yWJ93DNhYV9ZKSoG3IR9n6assiQysJwe9ZHaOPH4/biodecolourisation-of-textile-dye-effluent-using-chitosan.pdf>
7. Karthiga, **Surendran A** and Thatheyus AJ. (2019). Biotreatment of sugar industry effluent using the tank cleaner, *Pterygoplichthys pardalis*. *World Journal of Advanced Research and Reviews*, 1(3): 14-27. [IF: 4.98; eISSN: 2581-9615]  
<http://www.wjarr.com/content/biotreatment-sugar-industry-effluent-using-tank-cleaner-ptyerygoplichthys-pardalis>

8. Ramesh, **Surendran A** and Thatheyus AJ. (2019). Mixture toxicity of mercury and cadmium on the mineral content of the Indian major carp, *Labeo rohita*. *World Journal of Advanced Research and Reviews*, 1(3): 14-27. [IF:4.98; eISSN: 2581-9615]  
<http://www.wjarr.com/content/mixture-toxicity-mercury-and-cadmium-mineral-content-indian-major-carp-labeo-rohita>
9. Santha, J, **Surendran A** and Thatheyus AJ. (2019). Studies on the biocontrol of mosquitoes using *Oreochromis mossambicus*, *World Journal of Advanced Research and Reviews*, 1(2): 7-14. [IF: 4.98; eISSN: 2581-9615]  
<https://www.wjarr.com/content/studies-biocontrol-mosquitoes-using-oreochromis-mossambicus>
10. Selvi Hepzibah, **Surendran A** and Thatheyus AJ. (2019). Studies on the biocontrol of filarial vector mosquito *Culex quinquefasciatus* employing *Gambusia affinis*. *International Research Journal of Animal and Veterinary Sciences*, 1(1): 20-25. [ISSN: 2663-7154; eISSN: 2663-7162]  
<https://scirange.com/pdf/irjavs.2019.20.25.pdf>
11. Selvi Hepzibah, **Surendran A** and Thatheyus AJ. (2019). Predatory Activity of *Cyprinus carpio* Linn against the Filarial Vector Mosquito, *Culex quinquefasciatus* Say. *International Research Journal of Animal and Veterinary Sciences*, 1(1): 14-19. [ISSN: 2663-7154; eISSN: 2663-7162]  
<https://scirange.com/pdf/irjavs.2019.14.19.pdf>
12. Ilavarasi A, **Surendran A** and Thatheyus AJ. (2019). Biodecolourisation of Textile Dye Effluent Using Eggshell, *International Research Journal of Biological Sciences*, 1(1): 46-50.[eISSN: 2278-3202]  
<https://scirange.com/pdf/irjbs.2019.46.50.pdf>
13. Arunkumar S and **Surendran A**. (2019). A Review on Carcinogenic Agents in Food, *International Journal of Research and Analytical Reviews*, 6(1): 87-91. [Google Impact Factor: 5.75 Cosmos International Impact Factor: 4.236; UGC approved journal; ISSN: 2349-5138; eISSN: 2348-1269]
14. Sowbiya Banu M, Matheswari KB and **Surendran A**. (2019). Manufacturing and Recycling of Tetra Pak – Review, *International Journal of Research and Analytical Reviews*, 6(1): 72-80. [Google Impact Factor: 5.75 Cosmos International Impact Factor: 4.236; UGC approved journal; ISSN 2349-5138; eISSN: 2348-1269]
15. Jeyalakshmi, **Surendran A** and Thatheyus AJ (2019). Diversity of Butterflies in Tamil Nadu Agriculture College and Research Institute Campus, Madurai, Tamil Nadu, India. *Specialty Journal of Biological Sciences*, 5(4): 53-59. [IF: 1.028; ISSN: 2412-7396]  
<https://sciarena.com/en/article/diversity-of-butterflies-in-tamil-nadu-agriculture-college-and-research-institute-campus-madurai-tamil-nadu-india>
16. Anusiya Devi, **Surendran A** and Thatheyus AJ (2019). Effect of chosen artificial fish feeds on the growth rate of the black molly, *Poecilia sphenops*. *Journal of Veterinary Medicine and Animal Sciences*, 2 (1): 1011 (5 pages) [ISSN: 2640-1223]  
<https://meddocsonline.org/journal-of-veterinary-medicine-and-animal-sciences/Effect-of-chosen-artificial-fish-feeds-on-the-growth-rate-of-the-black-molly-Poecilia-sphenops.pdf>

17. Lakshmanan, **Surendran A** and Thatheyus AJ (2019). Mixture Toxicity of Nickel and Chromium to the Indian Major Carp, *Cirrhinus mrigala*. *Trends in Applied Sciences Research*, 14 (2): 136-141. [ISSN: 1819-3579]  
<https://scialert.net/fulltext/?doi=tasr.2019.136.141>
18. Geetha, **Surendran A** and Thatheyus AJ (2019). Influence of Amazon Sailfin Catfish, *Pterygoplichthys pardalis* on the quality of Dairy Effluent, *Asian Journal of Biological Sciences*, 12 (4): 733-741. [IF: 0.38; ISSN: 1996-3351]  
<http://docsdrive.com/pdfs/knowledgia/ajbs/2019/733-741.pdf>
19. Jaffer Ali, **Surendran A** and Thatheyus AJ (2019). Hydrobiological Studies of Vandiyur Lake, Madurai, Tamil Nadu, India, *Specialty Journal of Biological Sciences*, 5(1): 24-33. [IF: 1.028; ISSN: 2412-7396]  
<https://sciarena.com/storage/models/article/HwjYmg2thCKuA9YHDD4oSmAIPQsQjcuBqRMmJaPic2IiMeuWrm4d5OTGxxY/hydrobiological-studies-of-vandiyur-lake-madurai-tamil-nadu-india.pdf>
20. Jaffer Ali, **Surendran A** and Thatheyus AJ (2019). Studies on the Sediments of Vandiyur Lake, Madurai, *Specialty Journal of Engg. & Applied Science*, 4(3): 39-47. [IF: 0.686; ISSN: 2520-5943]  
<https://sciarena.com/storage/models/article/3BhSDCEW12V9LwdoXwhvSe7TbRqNW5bYTIIsiUR4c7kYc7ABep4DFgxLoBkZ/studies-on-the-sediments-of-vandiyur-lake-madurai.pdf>
21. Ramesh, **Surendran A** and Thatheyus AJ (2019). Mixture toxicity of the heavy metals, Mercury and Cadmium to the Indian major carp, *Labeo rohita*. *International Journal of Fisheries Science and Research*, 3(1): 1012 (5 pages).  
[https://www.jsmcentral.org/sm-fisheries-science/fulltext\\_ijfsr-v3-1012.pdf](https://www.jsmcentral.org/sm-fisheries-science/fulltext_ijfsr-v3-1012.pdf)
22. Lakshmanan, **Surendran A** and Thatheyus AJ (2019). Toxicity of Nickel and Chromium on the mineral content of the Indian Major Carp, *Cirrhinus mrigala*. *International Journal of Fisheries Science and Research*, 3 (1): 1013 (6 pages).  
<https://www.smjournals.com/fisheries-science-research/fulltext/ijfsr-v3-1013.php>
23. Shivani Gupta R, **Surendran A** and Thatheyus AJ (2020). Biosorption of Lead Using the Bacterial Strain, *Bacillus subtilis* (MTCC 2423). *Journal of Biotechnology and Biomedical Science*, 2(3): 1-14. [ISSN: 2576-6694]  
<https://openaccesspub.org/article/1401/jbbs-20-3419.pdf>
24. Elizabeth Rani G, **Surendran A** and Thatheyus AJ (2020). Evaluation of Natural and Synthetic Repellents against the Adult Vector Mosquitoes of *Culex quinquefasciatus* Say. *Veterinary Medicine and Public Health Journal*, 1(2): 53-59. [ISSN: 2707-7187]  
<https://www.refaad.com/Files/VMPH/VMPH-1-2-5.pdf>
25. Vaishali S, **Surendran A** and Thatheyus AJ (2020). Biodegradation of Malathion Using *Pseudomonas stutzeri* (MTCC 2643). *Journal of Public Health International*, 2(4): 8-19. [ISSN: 2641-4538]  
<https://openaccesspub.org/article/1362/jphi-20-3329.pdf>

26. Sivakumar V, **Surendran A** and Thatheyus AJ (2020). Effect of Hexavalent Chromium on the WBCs of the Fresh Water Fish, *Labeo rohita*. *Journal of Experimental and Clinical Toxicology*, 1(3): 7-16. [ISSN: 2641-7669]  
<https://openaccesspub.org/article/1357/ject-20-3313.pdf>
27. Rani G E, **Surendran A** and Thatheyus AJ (2020). Biting behaviour of the filarial vector mosquito, *Culex quinquefasciatus* Say, in an urban area. *Journal of Plant and Animal Ecology*, 2(1): 1-13. [ISSN: 2637-6075]  
<https://openaccesspub.org/article/1343/jpae-20-3305.pdf>
28. Archana S, **Surendran A** and Thatheyus AJ (2020). Biodegradation of Methyl Parathion Using *Pseudomonas stutzeri* (MTCC 2643). *Journal of Biotechnology and Biomedical Science*, 2(2): 19-33. [ISSN: 2576-6694]  
<https://openaccesspub.org/jbbs/article/1314>
29. Sivakumar V, **Surendran A** and Thatheyus AJ (2020). Effect of Hexavalent Chromium on the RBCs of the Fresh Water Fish, *Labeo rohita*. *Journal of Animal Husbandry and Dairy Sciences*, 4(1): 1-8. [ISSN 2637-5354]  
<https://www.sryahwpublications.com/journal-of-animal-husbandry-and-dairy-science/pdf/v4-i1/1.pdf>
30. Santha, **Surendran A** and Thatheyus AJ (2020). Studies on the Biocontrol of Mosquitoes Employing *Poecilia reticulata*. *Specialty Journal of Biological Sciences*, 6(1): 11-19. [IF: 1.028; ISSN: 2412-7396]  
<https://sciarena.com/en/article/studies-on-the-biocontrol-of-mosquitoes-employing-poecilia-reticulata>
31. Archana S, **Surendran A** and Thatheyus AJ (2020). Microbial Degradation of the Organophosphorus Insecticide, Methyl Parathion Using the Natural Bacterial Isolate, *Pseudomonas aeruginosa*, *Asian Journal of Biotechnology (SciAlert)*, 12(2): 136-144. [ISSN: 1996-0700].  
<http://docsdrive.com/pdfs/knowledgia/ajbkr/2020/136-144.pdf>
32. Yamuna Devi S, **Surendran A** and Thatheyus AJ (2020). Bioremoval of Zinc using the Tomato Plant, *Lycopersicon esculentum*. *Journal of Public Health International*, 3(1): 7-19. [ISSN: 2641-4538]  
<https://openaccesspub.org/article/1428/jphi-20-3475.pdf>
33. Vaishali S, **Surendran A** and Thatheyus AJ (2020). Microbial Degradation of the Organophosphorous Insecticide, Malathion Using the Natural Bacterial Isolate, *Pseudomonas aeruginosa*, *International Journal of Contemporary Microbiology*, 5(1): 23-30. [ISSN 2394-9473]  
<http://www.medicopublication.com/index.php/ijcmicro/article/view/11933/10969>
34. Manimozhi S, **Surendran A** and Thatheyus AJ (2022). Biodegradation of the neonicotinoid pesticide, Spiromesifen using the natural bacterial isolate, *Serratia* Sp. *International Journal of Contemporary Microbiology*, 8 (1): 12-20. [ISSN - 2395-1796]  
<https://medicopublication.com/index.php/ijcmicro/article/view/17856>

### Articles published in National Journals:

1. **Surendran A** and Selvaraj Pandian R. (2006). Oviposition Response of the Mosquito *Culex quinquefasciatus* to the Bacterial Culture Filtrates, *Insect and Environment*, 12(3):107-108. [ISSN: 0975-1963]
2. **Surendran A** and John Vennison S. (2011). Expression of Mosquitocidal Crystal Protein gene(s) of *Bacillus thuringiensis* subsp. *pondicheriensis* in Sporogenic and Asporogenic Mutant Strains of *Bacillus sphaericus*, *Current Biotica*, 5(2): 121-129. [ISSN: 0973-4031; NAAS Score – 4.93]  
[https://www.ets-staffing.com/currentbiotica/Journals5-IssueII/CB-5\(2\)-Full-length-1.pdf](https://www.ets-staffing.com/currentbiotica/Journals5-IssueII/CB-5(2)-Full-length-1.pdf)
3. Ilavarasi A, **Surendran A** and Thatheyus AJ. (2018). Biodecolourisation of Vat Dye and Naphthol Dye Using Chitosan, *Wide Spectrum*, 7(4): 32-43. [ISSN: 2250-2815]  
[http://grd.org:8084/grdcs/widespectrum/Volume%207/Issue\\_4\\_November%202018.pdf](http://grd.org:8084/grdcs/widespectrum/Volume%207/Issue_4_November%202018.pdf)
4. **Surendran A** and Thatheyus AJ. (2019). Pallikaranai – A Slow Transition from Wetland to Dry land. *Jalaplavit*, 9(2): 35-42. [ISSN: 2321-1881]  
<https://www.yumpu.com/en/document/read/62706041/jalaplavitissn-2321-1881-june-2019>
5. **Surendran A** and Thatheyus AJ. (2019). Vandiyur Lake: Conservation and Protection. *Jalaplavit*, 9(2): 26-34. [ISSN: 2321-1881]  
<https://www.yumpu.com/en/document/read/62706041/jalaplavitissn-2321-1881-june-2019>
6. Jeyaseelan PJ, Jabaseelan G, Jagadeepan R, Prabhu N, **Surendran A** and Thatheyus AJ. (2019). Hydrobiology of Kodaikanal Lake with special reference to its microbial load and plankton diversity. *Wide Spectrum*, 7 (10): 26 - 35. [ISSN: 2250-2815]
7. Johnpaul J, **Surendran A** and A.J.Thatheyus (2020). Efficacy of orange peel in the decolourization of the commercial auramine yellow dye used in textile industry. *Indian Journal of Biochemistry & Biophysics*, 57(4): 481-485. [ISSN: 0975-0959; IF: 0.537; CSIR-NISCAIR Journal]  
<http://op.niscair.res.in/index.php/IJBB/article/view/38747/465477652>
8. Johnpaul J, **Surendran A** and Thatheyus AJ (2021). Biodecolourisation of bismarck brown dye using orange peel. *Indian Journal of Experimental Biology*, 59(8): 564-569. [ISSN: 0975-1009; IF: 0.818; CSIR-NISCAIR Journal]  
<http://nopr.niscair.res.in/bitstream/123456789/57961/1/IJEB%20Vol.59%2808%29%20%5BAugust%202021%5D%20564-569.pdf>

### Papers Presented in Conference/ Seminar:

1. Microorganism as an Effective Biocontrol Agent. In: *Intercollegiate Seminar on Microbes and Environment*, organized by Department of Microbiology, Thiagarajar College, Madurai, February 19, 2003.



2. Mosquito Larvicidal Activity of Selected Pesticides. In: *National conference on Aqua –Terr 2003*, organized by School of Life Sciences, Madurai Kamaraj University, Madurai, February 28, 2003.
3. Effective Utilization of Biopesticides and Biofertilizers in Agriculture. In: *International colloquium on Emerging Biotechnologies in Agriculture, Animal Health and Productivity*, organized by School of Biosciences, Alagappa University, Karaikudi, February 22 – 26, 2009
4. Application of Bioinformatics in Different Fields. In: *National seminar on Application of Genomics and Bioinformatics*, organized by School of Animal Health and Management, Alagappa University, Karaikudi, March 25 – 26, 2009.
5. Bioremediation of industrial waste. In: *National seminar on Environmental Bioremediation Technologies*, organized by Department of Environmental Management, Bharathidasan University, Tiruchirappalli, November 05 – 06, 2009.
6. Evaluation of larvicidal effect of *Pseudomonas fluorescens* isolates against filarial mosquito *Culex quinquefasciatus*. In: *National symposium on Recent Advances in Biotechnology*, organized by Department of Biotechnology, Anna University, Tiruchirappalli, January 23 - 24, 2010.
7. Economic importance of seaweeds. In: *National conference on Bioprospecting of Marine Resources with Special Reference to Marine Natural Products and Drug Discovery*, School of Marine Sciences, organized by Department of Oceanography and Coastal area Studies, Alagappa University, Karaikudi, August 25 – 27, 2010.
8. Occurrence and Distribution of Mosquitocidal *Bacillus sphaericus* in Soil. In: *National conference on Outbreak and Control Strategies of Vector Borne Diseases in India*, organized by Centre for Research in Medical Entomology, Madurai, December 20 -21, 2010.
9. Nanoscience Research prospective in India. In: *National conference on Recent Advances in Nanotechnology and Biosensors*, organized by Department of Bioelectronics and Biosensors, Alagappa University, Karaikudi, March 3 - 4, 2011.
10. Novel application of biotechnology in the food industry. In: *International workshop on Recent trends in food biotechnology and exploration of the opportunistic to feed the world*, organized by the Department of Food Biotechnology, Manonmanium Sundaranar University, Thirunelveli, January 10, 2018.
11. Universal solvent becoming toxic and health hazardous Too: - A Review on water quality analysis in Madurai, Tamilnadu. In: *National conference on Impact of Pollution on Health and Restoration of Quality Environment Through Biotechnology Applications*, organized by the Department of Zoology and Microbiology, The American College, Madurai, February 2-3, 2018.



12. Current Scenario of microbial biopesticides in the control of mosquito vectors. In: *National conference on Impact of Pollution on Health and Restoration of Quality Environment Through Biotechnology Applications*, organized by the Department of Zoology and Microbiology, The American College, Madurai, February 2-3, 2018.
13. Microbial Enumeration of a radish based product Mullo. In: *International Conference on Recent Advances in Food Processing Technology*, organized by Indian Institute of Food Processing Technology (IIFPT), Tanjavur, August 17-19, 2018.
14. Medicinal Properties of Coral Reefs. In: *National Conference on Coral reefs: Threats and Conservation*, organized by PG & Research Department of Zoology, The American College, Madurai, February 12, 2019.
15. Study on Biting Behaviour of Filarial Vector Mosquito *Culex quinquefasciatus* in urban area. In: *National Conference on Emerging Trends in Entomology*, organized by PG & Research Department of Zoology, The American College, Madurai, March 7-8, 2019.

**Trainings Undergone and FDP/ Seminars / Workshops Attended:**

1. Training course on Domestic preservation of Fruits and Vegetables, conducted by Food and Nutrition Board of India, Madurai, May 10 – 14, 1999.
2. Training programme for nodal officers of Entrepreneurship Development Cells of Alagappa University affiliated colleges, organized by Alagappa University, Karaikudi, November 29 – December 3, 2004.
3. National symposium on Importance of Nanoscience and Technology, organized by Department of Nanoscience and Nanotechnology, Alagappa University, Karaikudi, March 14 -15, 2009.
4. National seminar on Advancements in Bioelectronics and Biosensors, organized by Department of Bioelectronics and Biosensors, Alagappa University, Karaikudi, March 19 -20, 2009.
5. Intercollegiate seminar on Energy Resources and Global Warming, organized by Department of Biochemistry, Sri Sarada College, Karaikudi, September 17, 2009.
6. Regional seminar on Recent Trends in Science and Technology, organized by Department of Zoology, V.S.S. government Arts College, Pullankurichi, March 10, 2010.
7. Workshop on Charismatic Personality Creates Winning Leaders, organized by Maharishi Vidya Mandir Senior Secondary School, Hosur, May 2, 2013.

8. National workshop on Genomic Analysis and Protein Designing Using Internet Tools, organized by PG and Research Department of Zoology, Vivekananda College, Tiruvedagam, October 6, 2016.
9. Science academic lecture workshop on Introduction to Modern Biology, organized by PG & Research Department of Zoology, The American College, Madurai, January 19 - 21, 2017.
10. National workshop on Networking on Ecohistoric and Cultural Heritage of India, organized by Lady Doak College, Madurai, January 24 - 25, 2017.
11. Workshop on Science Education and Research in India, organized by Yadava College, Madurai, February 28, 2017.
12. Workshop on Reformation and Innovations in Evaluation, organized by Thiagarajar College of Arts and Science, Madurai, March 13, 2017.
13. Science academic lecture workshop on Recent Trends in Modern Biology, organized by PG and Research Department of Zoology, The American College, Madurai, January 23 - 25, 2018.
14. Faculty Development Programme, organized by Academic and Administrative Staff Training Cell, S. Vellaichamy Nadar College, Madurai, March 20, 2018.
15. National level consultation on Prospects of Millet Value Addition and Marketing, organized by Indian Institute of Food Processing Technology (IIFPT), Tanjavur, November 28, 2018 .
16. International conference on Advancement and Applications of Technology in Food and Textile Industry, organized by Department of Home Science, Mother Theresa University Research Extension Centre, Madurai, January 22, 2019.
17. National seminar on Recent Trends on Modern Immunology, organized by Department of Immunology & Microbiology, The American College, Madurai, January 23, 2019.
18. International virtual conference on Innovation in Biomedical Science Research, organized by PG & Research Department of Zoology, Holy Cross College, Tiruchirappalli, March 17, 2021.
19. Faculty Development Programme on Recent Advances in Material Characterization Techniques, organized by Department of Physics, Coimbatore Institute of Technology, Coimbatore, March 22-26, 2021.
20. National webinar on Technological Advancement in Science, organized by School of Physical Sciences, St. Mary's College, Thoothukudi,, April 16-17, 2021.

21. National webinar on We are Part of the Solution, organized by Nature Club of Rajapalayam Rajus College, Rajapalayam, May 22, 2021.
22. National webinar on Learning from advocates of the ocean: Sea-turtles and their role in the health of the coast and high seas, organized by Nature Club of Rajapalayam Rajus College, Rajapalayam, May 23, 2021
23. National webinar on Solving challenging problems in chemistry using computational chemistry and machine learning, organized by Department of Chemistry, The American College, Madurai, June 14, 2021.
24. International webinar on Gene expression and pathway activity meta-analysis of SARs-Cov2 infection in lungs, organized by BioSetup Lifesciences in association with Michigan State University, June 17, 2021
25. International webinar on Recent trends in immunostimulants and application in aquaculture industry, organized by Sadakathullah Appa College, Tirunelveli, June 24, 2021.
26. National webinar on Trends in Bio-entrepreneurship, organized by Department of Biochemistry, The American College, Madurai, September 01, 2021.
27. International webinar on Current trends in COVID 19 diagnosis, research and treatment, organized by PG & Research Department of Zoology, Khadir Mohideen College, Thanjavur, September 12, 2021.
28. National webinar on Management of experimental animals- concepts and practices, organized by Department of Biochemistry, School of Biological Sciences, St. Joseph's College, Tiruchirappalli, September 17, 2021.
29. Faculty Development Programme on Research & Extension, organized by Department of Zoology, Ayya Nadar Janaki Ammal College, Sivakasi, September 23-25, 2021.

### **Academic Prizes**

- R.R.Michael and R.D.Michael prize winner for Biotechnology of M.Sc. Zoology in The American College, Madurai (2003).
- Academic Prize winner of M.Phil. Zoology in The American College, Madurai (2004).

### **Computer Skills**

- Post Graduate Diploma in Computer Applications (PGDCA), TCPS-InfoTech, Devakottai (2006).