

**Name : A. JOSEPH THATHEYUS**

**Designation : Assistant Professor**

**Department : Zoology**

**Date of Joining : June 1999**

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**Educational Qualification:**

<b>DEGREE</b>	<b>SUBJECT</b>	<b>COLLEGE / UNIVERSITY &amp; PLACE</b>	<b>YEAR COMPLETED</b>
B.Sc	Zoology	The American College, Madurai	1983
M.Sc	Zoology	St. Xavier's College, Palayamkottai	1985
Ph.D	Zoology	Loyola College, Chennai	1990
M.Ed	Education	Annamalai University	1991

**Specialisation in Teaching:**

- Biotechnology
- Research methods
- Environmental science

**Specialisation in Research:** Environmental Toxicology

**Research Interests:**

- Environmental Biotechnology

**Other Work Experience:**

<b>Designation</b>	<b>Institution / Company</b>	<b>Year - From (month/year) To (month/year)</b>
Lecturer	St. Xavier's College Palayamkottai	5.10.1994 to 3.10.1997
Lecturer	Loyola College, Chennai	22.6.1998 to 21.3.1999

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

<b>Positions held / currently holding</b>	<b>Year - From (month/year) To month/year)</b>
Superintendent, Zumbro Hall	June 1999 to May 2003
Additional dean for international exchange & study abroad	June 2013 to (currently holding)

**Awards / Fellowships:**

CSIR Research Associate ship 1991 - 1994

**Ongoing:**

<b>Name of the student</b>	<b>Title of the thesis</b>
1. E Joy Sharmila 2. A. Kanimozhi	<b>Biodiversity of butter flies in a reserve forest – alagar hills</b> <b>Recycling market wastes into Verniconpost using enduring engine and its impact on the growth and yield of selected crop plants and its influence of earthworms on the grouch of fish</b>
3. V. Jemima Florence Boriga 4. D. Ramya	<b>Toxic effects chosen industrial wastes on fresh water fish</b> <b>Biosorption of Chromium nickel and zinc using chosen bacterial strains</b>

**UGC Sponsored Projects:**

**Major Project:**

<b>Title</b>	<b>Year of Award</b>	<b>Amount Awarded</b>	<b>Status of the project- Completed/ Ongoing</b>	<b>Co-investigator, if any</b>
Bioremediation of effluents from electroplating using chosen bacteria	2011	8,53,000	Ongoing	Mr. Andrew Pradeep Mrs. Stella Mary

**Minor Project**

<b>Title</b>	<b>Year of Award</b>	<b>Amount Awarded</b>	<b>Status of the project- Completed/ Ongoing</b>	<b>Co-investigator, if any</b>
Biodiversity of Butterflies in Alagar Hills	2009	1.5 lakhs	Completed	Co-investigator

### **Other activities / academic credentials:**

- Passed CSIR NET Examination December 1999
- Passed PGDCA Examination May 2002

### **Membership in Professional Bodies**

1. Nominated member in the Board of studies in PG & Research Department of Zoology, J.A College for women, Periyakulam from 2007 to 2009.
2. Nominated member in the Board of Studies in Environmental studies, Arul Anandar College, Karumathur from 2008 to 2010
3. External member of selection committee for the recruitment of Research Assistants in the Centre for Research in Medical Entomology (ICMR), Madurai on 7-5-2002.
4. Member of the Technical/Purchase committee for purchasing scientific equipments in Centre for Research in Medical Entomology (ICMR) on 30.10.2007
5. International Consortium on Salt Lake Research, Australia
6. All India Bioethics Association, Chennai, India
7. Association of Microbiologists of India\
8. Indian Immunology society

### **Publications**

#### **Books**

1. M.Selvanayagam, and A.J.Thatheyus (1999) Water Loyola College Publications No. 17, Loyola College, Chennai 69p
2. A.J. Thatheyus (2011) Textbook of Environmental Studies Narosa Publishing House, New Delhi 238p. ISBN: 978-81-8487-094-7

#### **Articles Published in International Journals**

1. A.J. Thatheyus, M.Selvanayagam and A. Jabansan (1990) Acute toxicity of dichlorovos and malathion to the sit and wait predator *Ranatra filiformis* (FABR). *Poll Res.*, 8,91-094.
2. M.A Haniffa and A.J. Thatheyus, (1992) Effect of age related mating schedule on reproduction on the silk worm *Bombyx mori* L. *Sericologia*, 32:217-312
3. M. Selvanayagam, S.D. Wesley and A.J. Thatheyus, (1994) Acute toxicity of synthetic detergent to four aquatic hemipterans *J. Environ Biol*, 15: 159-161.
4. J.A. Basil , V.K.S Nair and (1994) A.J. Thatheyus, (1995) Laboratory studies on the culture of the brine shrimp *Artemia* using organic wastes *Bioresource Technology*, 51: 265-267
5. M. Kandhasamy, A.K.K Kumaraguru and A.J. Thatheyus, (1996) Bacteriological quality of Soft Drinks, Bottled Water Aerated Water and Packed Fruit Juices from shops in and around Madurai *J. Environ. Biol.*, 17:247-250.

6. A.J. Thatheyus, (2002) Sand Mining: An Ecological Threat, Eubios Journal of Asian and International Bioethics 12:224
7. A.J. Thatheyus, and J.D.P. Dhanaseeli (2003) Globalisation and Environmental Health, Eubios Journal of Asian and International Bioethics 13:179-181.
8. J.D.P. Dhanseeli and A.J. Thatheyus, (2003) Globalisation and Rural Poor. Eubios Journal of Asian and International Bioethics 13:63-65
9. C.S. Prabu and A.J. Thatheyus, (2007) Acrylamide degradation employing free and immobilized cells of pseudomonas aeruginosa International Biodeterioration & Biodegradation 60: 69-73
10. M. Kandhasamy, K.D.Arunachalam and A.J. Thatheyus, (2008) *Drynaria quercifolia* (L) J.Sm: A potential resource for antibacterial activity African J. Microbiol. Res., 2:202-205.
11. D.P. Dhanaseeli and A.J. Thatheyus, (2009) Educational Services rendered by American missionaries at Madurai (1834-1934): A historical perspective New frontiers in Education 42: 158-172
12. A.J. Thatheyus, and D.P Dhanaseeli (2010) Depletion of fresh water resources. Eubios Journal of Asian and International Bioethics, 20: 21-24.
13. A.J. Thatheyus, and D.P Dhanaseeli (2011) Fight for Water. Eubios Journal of Asian and International Bioethics 21:200-203
14. A.J. Thatheyus, (2012) Indian Marine Turtles in Soup. Eubios Journal of Asian and International Bioethics 22:158-1560
15. B. Durga Devi, A.J. Thatheyus, and D. Ramya (2012) Bioremoval of hexavalent chromium using pseudomonas fluoresces J. Microbiol Biotech Res. 2:727-735
16. Doery Benjamin and A.J. Thatheyus, (2012) Acute toxicity of nickel and cadmium to the Cichild fish *Oreochromis mossambicus* (peters) research in Zoology 2:19-22
17. Betty Anita, A.J. Thatheyus, and D. Ramya (2013) Biodegradation of Carboxymethyl Cellulose using *Aspergillus flavus* Science International 1:85-91
18. B.Betty Anita A.J. Thatheyus, and R. Vidhya (2013) Biodegradation of Carboxymehtyl Cellusolose Employing chaetomium globosum MTCC 2193. Science International 1:92-97
19. A.J. Thatheyus, D.P. Dhanaseeli and R. Vanitha (2013) Dams and their ecological effects Eubios Journal of Asian and International Bioethics 22:217-220
20. R. Vidhya and A.J. Thatheyus, (2013) Biodegradation of Dimethylformammide using *Bacillus Subtilis* American Journal of Microbiological Research 1 (1) 10-15.

21. T. Raghuraman C. Jerome Geoffrey S. Suriyanarayanan and A.J. Thatheyus, (2013) Chromium removal by using chosen Pseudomonads American Journal of Environmental Protection 1 (1): 14-16
22. Deborah Gnana Selvam A.J. Thatheyus, and Vidhya R (2013) Biodegradation of the synthetic pyrethroid, Fenvalerate by Pseudomonas viridiflava American Journal of Microbiological Research 1 (2): 32-38.
23. S. Ganesan J. Alan Peterson R. Murugan and A.J. Thatheyus, (2013) Effect of egg waste treatment on the microbial load of textile dye effluents international journal of Advanced Microbiology (Accepted)
24. A.J. Thatheyus, Delphin Prema Dhanaseeli and P .Vanitha (2013) Inter-State Dispute over water and safety in India: The Mullaperiyar dam, a historical perspective American Journal of water resources 1 (2) 10-19
25. R.S. Akram Hussain A.J. Thatheyus, and D. Ramya (2013) Bioremoval of nickel using Pseudomonas fluorescens American Journal of Microbiological research 1 (3) 48-52
26. A.J. Thatheyus, and A. Deborah Gnana Selvam (2013) Synthetic pyrethroids: Toxicity and Biodegradation Applied Ecology and Environmental Sciences 1 (3) -33-36
27. A. Deborah Gnana Selvam A.J. Thatheyus, and R. Vidhya (2013) Biodegradation of the synthetic pyrethroid Fenvalerate by Bacillus cereus MTCC 1305 World Journal of Environmental Engineering 1 (2) 21-26
28. R. Geetha A.K.Kumaraguru and A.J. Thatheyus, (1996) Toxic effect of heavy metal copper on the fish leptocephalichthys thermalis in short term exposures Poll Res., 15,151-153

#### **Articles Published in National Journals**

1. M. Sevanayagam, A.J. Thatheyus, and A. Jebanesan (1989) A general survey of aquatic pollution in the river Cooum, Madras Environment & Ecology 7: 24-28
2. A.J. Thatheyus, M. Selvanayagam., T. Peter Raj and P. Subramanian (1989) Studies on the food utilization of the larvae of Euplutea molifera fed with cythio treated ricinus communis leaves uttar Pradesh J. Zool 9: 193-201
3. M. Selvanayagam and A.J. Thatheyus, (1991) Effect of nickel and chromium on the vertebrae of the scale carp Cyprinus Carpio Communis J. Tissue Res. 1: 29-333
4. A.J. Thatheyus, M. Sevanayagam and S. S. Raja (1992) Toxicity of nickel on protein content in tissues of Cyprinus carpio communis (Linn) Indian J. Environ Hlth., 34: 236-238
5. A.J. Thatheyus, M. Selvanayagam and A. Jebanesan (1992) Interaction of Hydrological parameters with the abundance of fish in the river cooum Madras , J. NATCON. 4: 45-51

6. A.J. Thatheyus, (1992) Behavioural alterations induced by nickel and chromium in common carp *Cyprinus carpio* Var *communis* (Linn) *Environment & Ecology* 10, 911-913
7. T. Peterraj, M. Selvanayagam A.J. Thatheyus, and A. Jebanesan (1994) Effect on the food utilization of the larvae of *Eupteroute mollifera* fed with cythion sprayed Moringa leaves *Environment & Ecology*, 12: 199-201
8. A.J. Thatheyus, (1995) The Narmada Controversy : Social and environmental perspectives Annual Magazine St. Xavier's College, Palayamkottai, pp. 107-109.
9. A.J. Thatheyus, and M. Selvanayagam (1999) Occurrence of heavy metals in Cooum river sediments, Madras *Convergence* 1: 72-76
10. A.J. Thatheyus, and M. Selvanayagam (1999) Toxic effects of the heavy metal nickel in the kidney of common carp *Cyprinus carpio* var *communis* (Linn) *Convergence* 1:99-102
11. Basil, J.A., A.J. Thatheyus, and C.Manithiram (2002) Culture of *Artemia* (Tuticorin strain) utilizing chicken intestine and agricultural byproducts *JEZI*. 5 (2) 253-260
12. Lily D.J., J.A Basil and A.J. Thatheyus, (2002) Recycling agricultural by products in the culture of *artemia* *JEZI*. 5(2) 261-268
13. Y. Samuel and A.J. Thatheyus, (2003) Cadmium induced changes in the total protein and carbohydrate content of the tissues of *Oreochromis mossambicus* *Biochem. Cell Arch* 3:113-118
14. Y. Samuel and A.J. Thatheyus, (2004) Effect of Cadmium on the respiration of *Oreochromis mossambicus* *J. Exp. Zool India* 7:113-116.
15. S. Ganesan R. Murugan and A.J. Thatheyus, (2007) Biotreatment of Textile dye effluents employing egg shell waste *convergence* 9:1-9
16. E. Joy Sharmila and A.J. Thatheyus, (2012) Diversity of Butterflies in Alagar Hills, Tamil Nadu, India *Scientia Acta Xaveriana* (Special issue) S233-S236
17. E. Joy Sharmila and A.J. Thatheyus, (2013) Diversity of butterflies in Alagarhills, Tamil Nadu, South India *Current Biotica* (6)4 473-479

#### **Conference/Seminar Presentations**

1. A.J. Thatheyus, M. Selvanayagam and T. Peterraj (1987) Chronic toxicity of copper on the biochemical composition of some tissues of the scale carp, *CYprinus carpio* *communis* *Proc. Nat. Con. Env. Impact on Biosystems* (Eds. T.K. R. Rao others), Loyola College, Chennai pp. 263-267
2. A. Jebanesan, M. Selvanayagam T. Peterraj and A.J. Thatheyus, (1987) Effect of cythion and K-Otherine on the caloric value of *Ranatra filiformis* (Heteroptera). *Ibid* pp. 211.216

3. A.J. Thatheyus, M. Selvanayagam and A. Jebanesan (1987) Studies on the non-metallic pollution on river coom, Madras. Trends in Environmental Pollution and pesticide Toxicology (Eds. Shashikant, S. Vohra and Y.N Sahai), Jagamander Book Agency, New Delhi, pp. 127-133
4. A. Jebanesan, M. Selvanayagam and A.J. Thatheyus, (1987) Distributory pattern of dissolved oxygen in the selected stations of Coom river and its effect on the aquatic fauna Ibid pp. 303-311
5. A. Jebanesan A.J. Thatheyus, and M.Selvanayagam (1988) Mosquito control by aquatic Hemipterans in river coom Madras Bicoovas 1: 203-211
6. A.J. Thatheyus, and M. Selvanayagam (1988) some biochemical parameters of fish as indicators of stress Proceedings of the National Workshop on Aquatic Pollution, Loyola College, Madras, India
7. M. Selvanayagam, A.J. Thatheyus, and T. Peterraj (1991) Effect on the body length and weight of the larvae of Eupterote mollifera when fed with cythion treated ricinus communis and MOringa indica leaves National/ Growth , Development & Natural Resource Conservation (Ed.S.R. Verma) Nature Conservators, Muzaffarnagar, India pp. 55-51.
8. A. Jebanesan, M. Selvanayagam and A.J. Thatheyus, (1992) Studies on the metallic pollution in rivers Coom, Madras, Proceedings of the National Symposium on Environmental Biology (Eds. M.A. Haniffa & M. Narayanana), St. Xaview's College, Palayamkottai, India, pp. 9-13
9. A.J. Thatheyus, A. K Kumaragura and M. Selvanayagam, (1994) Surface Morphological changes in the Gills of Common carp, cyprinus carpio, induced by Hexavalent Chromium A Scanning Electron Microscopic study In Proceedings of the International Congress on Electron Microscopy 13-Paris, pp. 1273-1274
10. J.A. Basil and A.J. Thatheyus, (1994) Artemia: A Livewire in Aquaculture Proceedings of the National Symposium on Aquaculture for 2000. A. D. Pp/ 125-142
11. A.J. Thatheyus, and M. Selvanayagam, (1997) Heavy metal pollution in river Coom Energy Crisis and Environment (Eds. Francis P. Xavier and others), Loyola College publications pp. 273-279
12. M. Selvanayagam, Mohideen and A.J. Thatheyus, (1997) Effct of tannery effluent on the feeding energetic of the fresh water fish cirrhinus mrigala (Ham ) Ibiod 231-239
13. A.J. Thatheyus, and J.A. Basil (1999) Waste recycling and Artemia culture In: Environment, Health and Food; a futuristic view (Eds. John William and S. Vincent) Loyola College Publications pp. 129-138.
14. A.J. Thatheyus, (2000) Biocontrol agents in control of mosquitoes In: Recent trends in combating mosquitoes (Eds. John William and S. Vincent) Loyola College Publications Loyola College, Chennai pp 156-169

15. A.J. Thatheyus, (2002) Heavy metals in Bio-coordination and Bioimbalances In: Management of Natural Resources for sustainable Development (Ed. S.John William), Loyola College Publications, Chennai, India pp. 271-281.
16. A.J. Thatheyus, (2003), waste recycling in poultry Industry. In: Poultry for Sustainable Food Production and Livelihood (Ed.S. John William), Loyola College Publications, Chennai, India pp.240-259.
17. A.J. Thatheyus, and Dorey Benjamin (2003) SEM studies on the gill surface morphology of fish: A tool in monitoring environmental gill disease. In Aquaculture Medicine (Eds. J.S.B Singh, S.S. Pai, R. Philip and A. Mohands), Centere for Fish Disease and Management, CUSAT, Kochi, India, pp. 29-31
18. A.J. Thatheyus, (2005) Biotreatment of Industrial effluents employing chosen bioproducts and microorganisms In proceedings of the National seminar on Rural Biotechnology of sustainable Development (Ed. Thilgavathy Danie), Gandhigram Rural Institute, Gandhigram pp 169-174.
19. G. Alex Pandian and A.J. Thatheyus, (2005) Biotreatment of Tannery effluent employing coconut husk IN Proceedings of the National Seminar on Rural Biotechnology of sustainable development (Ed. Thilagavathy Daniel), Gandhigram Rural Institute Gandhigram pp. 199-202
20. A.J. Thatheyus, (2004) Water use and management In Proceedings of the National Seminar on Drought Management, Arul Anandar College, Karumathur, Madurai, India pp 67-72.
21. A.J. Thatheyus, (2006) Threats to Indian Biodiversity In Biodiversity Life to our Mother Earth (Ed.S.John William ) Loyola College, Chennai. Pp 217-230
22. A.J. Thatheyus, (2006) Vermicoposting: A potential technology for enhancing soil fertility and plant growth proceedings of the National Seminar on Organic Farming: Trends and Challenges, Arul Anandar College, Karumathur, Madurai Tamil Nadu, pp. 85-89.
23. R. Rajalakshmi and A.J. Thatheyus, (2006) Biofertilizer-A Potential alternative to chemical fertilizers proceedings of the National seminar on Organic Farming: Trends and Challenges, Arul Anandar College, Karumathur, Madurai, Tamil Nadu, pp 104-109
24. David Antony Raj and A.J. Thatheyus, (2006) Biological Control – A potential alternative to chemical pesticides proceedings of the National Seminar on Organic Farming: Trends and Challenges, Arul Anandar College, Karumathur, Madurai, Tamil Nadu, pp 168 -173
25. A.J. Thatheyus, (2007) Biocontrol of Mosquitoes In Defeating the Public Enemy, the Mosquito: A Real Challenges. (Ed. S. John William) Loyola College, Chennai pp. 76-94.
26. A.J. Thatheyus, and J. Stella Mary (2009) Biocontrol Potential of Bacillus thuringiensis Bacillus sphaericus and Voctobac 12 AS against the larvae of Culex



- quiquefasciatus. In Proceedings of the National Seminar on Conserve the Mother Earth: Need of the hour, Jayaraj Annapackiam College, Periyakulam, Tamil Nadu, India pp. 52-56.
27. A.J. Thatheyus, and R. Vidhya (2009) Biotreatment of wastewater employing *Eicchornia crassipes*. In Proceedings of the National Seminar on Conserve the Mother Earth: Need of the hour, Jayaraj Annapackiam College, Periyakulam, Tamil Nadu, Indian pp. 56-62.
  28. J.T Jeniffer and A.J. Thatheyus, (2010) Web search tools: An Overview In Digital Vision 2020. Proceedings of the National Conference, (Eds. R.F.M. Sylvia and B. Annapoorani), 5<sup>th</sup> & 6<sup>th</sup> March, 2010, Jayaraj Annapackiam College for Women, Periyakulam, Tamil Nadu, India. Pp. 155-158.
  29. A.J. Thatheyus, and D. Ramya (2012) Microbial Biosorption: A Solution for Heavy Metal Pollution In: Perspective of Biotechnology – Hitherto and Henceforth (ISBN: 978-81-90864-91-6), Venture Institute of Biotechnology and Bioinformatics Research, Madurai, India pp 34-42
  30. C. Devika, D. Ramya and A.J. Thatheyus, (2012) Biodegradation of chlorpyrifos using *pseudomonas aeruginosa*, In Proceedings of the International Conference on science and technology for clean and Green Environment (Eds. N. Nuthulingam, P. Ronald Ross, T. Vivekananthan and A. Elangovan) (ISBN: 978-93-80174-05-1), Zoology wing, Annamalai University, Annamalainagar, Tamil Nadu, India pp. 78-81.
  31. J. Thresa Jeniffer and A.J. Thatheyus, (2013) Informarion and Communication Technologies for sustainable Food Security In: Food Security Issues and Concerns (Ed. M.John Joseph), Shanlax Publications, Madurai India (ISBN: 978-93-80657-87-4) pp. 167-173.
  32. D. Ramya and A.J. Thatheyus, (2013) Genetically Modified Foods-Safety Issues In: Food Security Issues and Concerns (Ed. M.John Joseph), Shanlax Publications, Madurai, India (ISBN: 978-93-80657-84-4) pp. 302-311.
  33. D. Ramya and A.J. Thatheyus, (2013) Bacterial Food Poisoning In: Food Security Issues and Concerns (Ed. M.John Joseph), Shanlax Publications, Madurai India (ISBN: 978-93-86587-84-4) pp.332-341

### **Lectures/ Talks given**

1. Guest lecture on “Water-the elixir of life” at NMSSVN College on 7<sup>th</sup> January, 2009
2. Guest lecture on “Environmental Studies” at NMSSVN College on 26<sup>th</sup> March, 2009
3. “Environmental awareness” – TNSCST sponsored one day awareness seminar on Environmental Protection held at Arul Anandar College, karumathur on 6<sup>th</sup> August, 2009.