

CURRICULAM VITAE

Dr. A. JOSEPH THATHEYUS

Director

PG Department of Microbiology

Associate Professor & Head

PG & Research Department of Zoology

Director

B.Voc/M.Voc Degree Programmes

The American College

Madurai-625002

Tamil Nadu, India.

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Date of Birth : 1 May, 1963

Father's Name : Mr. A. Antony

Marital Status : Married

Permanent address : 38, Indra Street
Sultan Nagar
Bibikulam
Madurai-2
Tamil Nadu, India.

Education

B.Sc. (Zoology Spl.)
I Class with distinction : The American College 1980-1983
Madurai

M.Sc. (Zoology)
74.8%, **University IV Rank** : St. Xavier's College 1983-1985
Palayamkottai

Ph.D. (Zoology) : Loyola College 1986-1990



Chennai

M. Ed. : Annamalai University 1990-1991
Chidambaram

PGDCA : M.K.University 2002-2003
Madurai

Research

Junior Research Fellow : Loyola College 1986-1988
Chennai (CSIR Project)

Senior Research Fellow : Loyola College 1988-1989
Chennai (CSIR Project)

Research Associate (CSIR) : School of Energy Sciences 1991-1994
M.K. University, Madurai

Field of Research : Environmental Biotechnology

Techniques Known : Atomic Absorption Spectrophotometry ,
Electron Microscopy & PCR

Passed CSIR NET Examination on 31-12-2000.

Ph.D THESIS

- **Studies on the effect of nickel and chromium on the histology and physiology of the scale carp, *Cyprinus carpio communis***

Teaching Experience

- 3 months as Teaching Associate in the Zoology department, The American College, Madurai and handled classes for B.Sc., M.Sc., and M.Phil students of Zoology (1990).
- 3 years as Lecturer in the Zoology department, St. Xavier's College, Palayamkottai from 5-10-94 to 3-10-97 and handled classes for B.Sc and M.Sc. students.

- 8 months as Lecturer in the Zoology department, Loyola College, Chennai from 22-7-98 and handled classes for B.Sc., M.Sc., and M.Phil students of Zoology .
- From July 1999 working as Assistant/Associate Professor in the Zoology department, The American College, Madurai.

Positions held in the American College

- Superintendent of Zumbro Hall from July 1999 to May 2003
- Member in the admission committee of Zoology department
- Vice-president of UG Zoology Association for two years
- Member in the Building Committee of the College
- Senior Administrative Officer of RUSA from 2013 to 2014
- Additional Dean for International Exchange and Study Abroad from 2013 to 2015.
- Member of the Senatus from 2013
- Director of Community College from 2014
- Member of Religious Life & Work Committee
- Member of Planning Board from 2013

M.Phil dissertations guided: 16

M.Phil dissertations guiding: 0

Ph.D students guided: 5

Ph.D students under guidance: 3

Ph.D Viva-voce conducted: 4

Doctoral committee member: 2

Sequences submitted to NCBI: 19

Papers published: 199

Gene Sequences submitted in GenBank

- 1) OK157432 - *Pseudomonas putida* strain ACFMBS22 16S ribosomal RNA gene
- 2) OK061187 - *Bacillus altitudinis* strain ACMB103 16S ribosomal RNA gene
- 3) KJ830754 - *Morganella morganii* strain ACZ05 16S ribosomal RNA gene
- 4) KJ667741 - *Pseudomonas aeruginosa* strain ACZ04 16S ribosomal RNA gene
- 5) KJ667740 - *Pseudomonas aeruginosa* strain ACZ02 16S ribosomal RNA gene
- 6) KJ139978 - *Providencia* sp. ACZ03 16S ribosomal RNA gene
- 7) KM434772 - *Pseudomonas aeruginosa* strain ACZ01 16S ribosomal RNA gene
- 8) MG786494 - *Kappaphycus alvarezii* vouch TACAJTAPRS1 large subunit rRNA gene
- 9) KF733790 - *Graphium nomius* cytochrome c oxidase subunit I (COI) gene
- 10) KF733789 - *Ypthima ceylonica* cytochrome c oxidase subunit I (COI) gene
- 11) KF316958 - *Prosotas dubiosa* isolate KH04 COI COI gene
- 12) KF316957 - *Caprona ransonnetii* isolate KH03 COI gene
- 13) KF316956 - *Appias albina* isolate KH02 COI gene
- 14) MG786495 - *Padina gymnospora* vouch TACAJTAPBS1 large subunit rRNA gene
- 15) KX998196 - *Enterobacter* sp. strain cloacae 16S ribosomal RNA gene
- 16) MH795122 - *Ypthima ceylonica* isolate amciz12 cytochrome c oxidase subunit I gene
- 17) MH795123 - *Papilio polytes* isolate amciz13 cytochrome c oxidase subunit I gene
- 18) MH795124 - *Hebomoia glaucippe* isolate amciz14 cytochrome c oxidase subunit I gene
- 19) MH795125 - *Junonia lemonias* isolate amciz15 cytochrome c oxidase subunit I gene

Doctoral Students

Completed:

Name of the student	Title of the thesis
Dr. J. Joy Sharmila	Biodiversity of butterflies in Azhagar Hills Reserve Forest
V. Jemima Florence Borgia	Studies on the Toxicity of Effluent from Electroplating Industry to the Freshwater Fish, <i>Cyprinus carpio</i>
M. Andrew Pradeep	Screening for antimicrobial and antitumor properties of chosen seaweeds against microbial consortium and cancer cell lines.
D. Ramya	Biosorption of chromium Nickel and Zinc using Chosen Bacterial Strains
Vanitha	Hydrological Assessment of Sathiyar River in Madurai District.

Ongoing:

Name of the student	Title of the thesis
J. Stella Mary	Biosynthesis of Nanoparticles from chosen seaweeds for screening of antibacterial, antifungal, antioxidant and antitumor activities.
James Walter	Toxicological impact of Monosodium glutamate (MSG), on the Human Gut Microbes.
Sharmila	Studies on the Butterflies of Karanthamalai Reserve Forest.

Conferences Organized

1. National conference on Biotechnology: Hitherto and Henceforth, The American College, Madurai. 1999.
2. State level workshop on Immunological Techniques. The American College, Madurai, 2000.
3. Regional Seminar on Mosquitoes, Microbes & Man, The American College, Madurai, 30& 31 January, 2006.
4. National Conference on Frontier Vistas in Modern Biotechnology held on 12th December, 2013, The American College, Madurai.
5. International Conference on “New Horizons, Emerging Challenges and Recent Paradigms in Food Mediated Immunity and their Role In Human Health and Longevity” held on 31 August and 1September 2016 at The American College, Madurai.
6. National Conference on Impacts of Pollution on Health and Restoration of Quality Environment through Biotechnology Applications held on 2 and 3 February 2018 at The American College, Madurai.
7. Fish/Shrimp Farmers Interaction Meet on Aquaculture Opportunities in Southern Tamil Nadu on 7 September 2018 at The American College, Madurai in collaboration with Fisheries Technocrats Forum (FTF), Madurai and Chennai and National Institute of Agricultural Extension Management (MANAGE), Hyderabad.
8. National Conference on Western Ghats: Threats and Conservation held on 17 October 2018 at The American College, Madurai.
9. National Conference on Recent Trends in Modern Immunology held on 23 January 2019 at The American College, Madurai.
10. National Conference on Coral Reefs: Threats and Conservation held on 12 February 2019 at The American College, Madurai.
11. National Conference on Emerging Trends in Entomology held on 7 and 8 March 2019 at The American College, Madurai.

12. National Conference on Emerging Trends in Microbiology held on 12 March 2019 at The American College, Madurai.

13. Workshop on Curriculum Developments held on 21 June 2019 at The American College, Madurai.

14. Hands-on Training cum Workshop on DNA Amplification by Polymerase Chain Reaction (PCR) held on 1 November 2021 at The American College, Madurai.

15. 3rd International Conference on Environmental, Agricultural, Chemical and Biological Sciences, ICEABS 2022, Virtual (as co organizer).

16. Served as the Organizing Secretary of the Vigyan Sarvatra Pujyate, Festival of SCoPE for All at The American College, Madurai from 22 to 28 February 2022.

Webinars Organized

International Webinar on Biodiversity held on 22 May 2020

International Virtual Conference on COVID-19. Recent Updates and Current Advances, 3 and 4 June 2020

Webinar on Career Opportunities in DAE held on 7 February 2022 through Zoom in collaboration with IGCAR, Kalpakkam

Online Quiz organized

Online Quiz on “Immune Boosters”

Member in Board of Studies

Nominated member in the Board of Studies in PG & Research Department of Zoology, J.A College for women, Periyakulam from 2007 to 2009.

Nominated member in the Board of Studies in Environmental Studies, Arul Anandar College, Karumathur from 2008 to 2010.

Nominated member in the Board of Studies in PG & Research Department of Zoology, Thiagarajar College, Madurai, 2014

Nominated member in the Board of Studies in Department of Zoology, Sri Meenakshi College for Women, Madurai, 2014

Nominated member in the Board of Studies in Department of Zoology, Fatima College, Madurai, 26 April 2016

Nominated member in the Board of Studies in Department of Zoology, E.M.G.Yadava Women's College, Madurai 2017-2018 and 2018-2019

Nominated member in the Board of Studies in PG & Research Department of Zoology, Lady Doak College, Madurai, from 2018-2019

External expert

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.

Member of the Technical/ Purchase committee for purchasing scientific equipments in Centre for Research in Medical Entomology (ICMR) on 30-10-2007.

Subject Expert on the Interview Board for the selection of Assistant Professors in Zoology, Jayaraj Annapackiam College for Women, Periyakulam on 12 May, 2014.

Subject Expert on the Interview Board for the selection of Lecturers, Thiyagi Dharmakkan Amirtham College of Arts and Science, Kannirajapuram, Ramanathapuram district on 7 June 2014.

Subject Expert on the Interview Board for the selection of Lecturers, Thiyagi Dharmakkan Amirtham College of Arts and Science, Kannirajapuram, Ramanathapuram district on 2 June 2015.

Evaluator in the State Level Intercollegiate Research Fest Exploria 2020 held at Fatima College, Madurai on 18 Feb 2020.

Ph.D. Theses adjudicated

R.S.Akram Hussain 2019. Molecular analysis of Human Papilloma virus high risk genotypes and its association with selected oncogenes of cervical cancer. Chettinad Academy of Research & Education, Kelambakkam, Tamil Nadu.

G.Lakshmi Priya 2019. Gastro and Cytoprotective activity of Indian Medicinal plants against Experimentally induced Gastric Ulcer in Rats. Auxilium College, Thiruvalluvar University, Vellore.

P.Sasikala 2020. Clinical significance and molecular mechanism of *Taraxacum officinale* (L.) Weber ex F.H.Wigg (Dandelion) root extract against Liver cancer. Bharathidasan University, Tiruchirappalli.

C.Kanimozhi 2021. Investigation on the Diversity and Molecular studies of Butterflies (Insecta: Lepidoptera) from different Agroecosystems in selected districts of Tamil Nadu, India. Bharathidasan University, Tiruchirappalli.

Resource person

YSSP programme, The American College, Madurai in 2003 and 2004.

Guest lecture on “Water- the elixir of life” at NMSSVN College on 7th January, 2009.

Guest lecture on “Environmental Studies” at NMSSVN College on 26th March, 2009.

TNSCST sponsored one day awareness seminar on Environmental Protection held at Arul Anandar College, Karumathur on 6th August, 2009.

Chaired a session in the International Conference on Women Empowerment & Social Sciences-2015 held between 5-7, March 2015 at The American College, Madurai, India.

CONFERENCES PARTICIPATED

National Conference on Environmental Impact on Biosystems, Loyola College, Madras, 1987.

Symposium on Environmental Pollution and Pesticide Toxicology, University of Jammu, 1987.

National Symposium on Environmental Biology, St. Xavier's College, Palayamkottai.

II National Symposium on Ecotoxicology, Annamalai University, Annamalainagar, 1988.

International Conference on Biological Control of Vectors with Predaceous Arthropods, Loyola College, Madras, 1988.

Symposium on National/Growth, Development and Natural Resource Conservation, D.A.V. College, Muzaffarnagar, 1988.

Confaqua 96, National Conference on Aquaculture, St. Xavier's College, Palayamkottai, 1996.

International Conference on Environment and Bioethics, Loyola College, Chennai. 1999.

National Seminar on Environment, Health and Food: A futuristic view at Loyola College, Chennai. 1999.

National Conference on Biotechnology: Hitherto and henceforth at The American College, Madurai 1999.

'Recent trends in Combating Mosquitoes' held at Loyola College, Chennai. 2000.

National Symposium on Recent Trends in Biotechnology on 24 and 25th February, 2005 held at Bishop Heber College, Tiruchirapalli.

National Conference on Environmental Pollution and Eco-planning on 4th and 5th March, 2005.

International Conference on 'The Challenges and Strategies for the Sustainability of Safe Drinking Water- ICSDW 2006' October 25- 27, 2006 at Gandhigram Rural University, Gandhigram.

4th International Symposium on Biocontrol and Biotechnology 27th to 29th November 2006 at Lady Doak College, Madurai.

International Conference on Biodiversity Conservation and Management (Biocam 2008) February 3- 6, 2008 at Cochin University of Science and Technology, Cochin.

National Seminar on Vermitechnology, Use of Biofertilizers and Solid Waste Recycling for Sustainable Rural Development, 23 & 24 March, 2010 at the Gandhigram Rural Institute, Gandhigram.

5th Conference of Medical Arthropodology organized by CRME (ICMR), Madurai during 18-19 October, 2011.

UGC sponsored National Seminar on Invertebrate Taxonomy, Nirmala College, Muvattupuzha, Kerala, October 2013.

National Conference on Frontier Vistas in Modern Biotechnology held on 12th December, 2013, The American College, Madurai.

National Conference on Achieving Sustainable Development held on 4th and 5th December, 2014 at Loyola College, Chennai.

UGC sponsored National Conference on Biological Sciences: The Amalgamation and Advancement of Multidisciplinary Life Sciences held on 18th & 19th December, 2014 at V.V.Vanniaperumal College for Women, Virudhunagar.

DBT sponsored National Conference on "Community Microbial Consortia and the human holobiont-implications of yet-unculturable microorganisms in systemic health, disease & personalized Medicine" held at The American College, Madurai on 7 & 8 December, 2015.

UGC sponsored International Conference on Challenges & Opportunities in Life Sciences at Sri Meenakshi Govt. Arts College for Women, Madurai on 5 & 6 April 2016.

International Conference on “New Horizons, Emerging Challenges and Recent Paradigms in Food Mediated Immunity and their Role In Human Health and Longevity” held on 31 August and 1 September 2016 at The American College, Madurai.

Young Scientists’ Conference on Faunal Diversity held on 5 and 6 December 2016 at Loyola College, Chennai.

International Conference Emerging Trends in Multidisciplinary Research held at Singapore on 27-30 December 2017.

International Conference on Innovations in Business and Management held at The American College, Madurai on 1 & 2 February 2019.

IMRF’s Grand 100th International Conference (Govt. of India Approved Conference) held at Carmel College for Women, Nuvem, Madgoan, Goa from 14 to 16 March 2019 organised by IMRF Institute for Research & Education, India.

International Eco-conference-2019 “Greening the Globe for Sustainable Living” Organized by Consortium of Higher Educational Institutions under the leadership of CSI Synod at CSI Synod Centre, Chennai from 1 to 4 August 2019.

International Conference CTSE 2019 organised by the Department of Chemical Engineering, SSN College of Engineering, Chennai on 26-27 September 2019.

National Conference on Trends in Higher Education, Taxonomy, Agriculture, Biotechnology and Toxicology organized by Dr.B.Vasantharaj David Foundation, Chennai-600125 on 17 November 2019.

7th India Biodiversity Meet 2019 (International Conference) held in the Indian Statistical Institute, Kolkata, 19-21 November 2019.

WORKSHOP / TRAINING PROGRAMMES ATTENDED

Workshop on Biosystematics of insects of Importance in Aquaculture, Medicine and Forestry held between April 27 and 30, 1987 at Entomology Research Institute, Loyola College, Madras (sponsored by DST).

National Workshop on Aquatic Pollution, Loyola College, Madras, 1988.

Seminar cum Workshop on “The Environment Tightrope” between 7 and 8 June, 1989 organised by Green canopy, The Environment Group, IIT, Madras.

Ninth National Training Programme in Electron Microscopy for scientific Investigators: Biological Applications from 29-10-1992 to 19-11-92 in the department of Anatomy, AIMS, New Delhi.

Training course on “Prawn Farming” conducted by Trainer’s Training Centre. Narakkal and CMFRI, Cochin from 11-1-93 to 21-1-93.

Workshop on ‘Solar Passive Architecture’ at M.K.University, Madurai on 25th March, 1994.

National Workshop on ‘Radiochemistry and Applications of Radioisotopes’ at Regional Research Laboratory, Trivandrum.

Workshop on “Effective classroom Communication” held at St. Xavier’s College, Palayamkottai, 5 and 6 Sept. 1997.

Training course on “Domestic Preservation of Fruits and Vegetables and Nutrition” conducted by Food and Nutrition Board, Govt. of India at Madurai between 8-5-2000 and 12-5-2000.

National workshop on ‘Breeding, farming and management of ornamental fishes’ on 7, 8 and 9th February, 2002 at Cochin University of Science and Technology, Cochin.

National workshop on Biodiesel on 17th and 18th October, 2007 at Madurai Kamaraj University, Madurai.

Training on Vermicomposting on 7th February, 2008 at Agricultural College and Research Institute (TNAU), Madurai.

Technical Update seminar on ‘Cutting Edge Molecular Techniques’ held on March 1st, 2008 at Lady Doak College, Madurai

Training course for ‘trainers in soft skills’ organized by AIACHE at Aluva from 19th to 24th May, 2008.

Workshop on Sensitization and Actual Functioning of B.Voc. and UGC Community Colleges on 1-2 August 2014 in the Madras Christian College, Chennai.

Workshop on Choice Based Credit System(CBCS) and Credit Framework for Skill-based Vocational Courses on 20 March 2015 at Pondicherry University organized by the University Grants Commission.

UGC sponsored “Workshop on Review, Evaluation and Action plan for UGC Community Colleges and B.Voc Centres in Tamil Nadu and Kerala” held on 20 & 21 August 2015 at Jayaraj Annapackiam College for Women, Periyakulam.

UBCHEA sponsored “Interface Meeting of UGC Community Colleges, B.Voc and Kaushal Kendras” at Loyola College, Chennai on 30 March 2016.

UBCHEA sponsored “Refresher Programme for the Life Skill Teachers of UGC Community Colleges, B.Voc Centres and KAUSHAL KENDRAS in Tamilnadu” organized by ICRDCE in collaboration with Loyola Students Support Services (LSSS), Loyola College, Chennai on 21 and 22 Sep 2016

Seminars attended

Seminar on “River Cooum-Let it be a Resource” held at The Institution of Engineers, Adams Road, Madras (organized by The Institution of Engineers, Madras and University of Madras).

Seminar on “Prospects of Nuclear Power” held at Loyola College, Madras (organized by IGCAR, Kalpakkam and Zoology Department, Loyola College).

Fifth Science Research Seminar in Tamil on “Ecology, Environment and Pollution Control” on 11 and 12 March, 1988 at University of Madras (organized by University of Madras, CECRI, Karaikudi and Swadeshi Science Movement).

Seminar on “Water Resources Management” on 10 December, 1988 at C.P.R, Environmental Education Centre, Madras.

Seminar on “Water Conservation” held at Hotel Adyar Park Sheraton on 29 January, 1989 (organized by Madras Naturalists Society, Madras).

Seminar on “Sustainable Development and Sustainable Utilisation of Natural Resources” held at Loyola College, Madras on 5 and 6th February, 1993.

National Seminar on “Living Resources for the Millennium 2000” held at Loyola College, Chennai, 1998.

National Seminar on Environmental ethics and sustainable development held at Lady Doak College, Madurai, 2001.

UGC sponsored Seminar on Globalization and Rural Development held at Arul Anandar College, Karumathur 2001.

Seminar on ‘Poultry for sustainable food production and livelihood’ on 4th and 5th October, 2001 at Loyola College, Chennai.

UGC sponsored National Seminar on ‘Drought Management’ at Arul Anandar College, Karumathur, 15 and 16 March 2004

State level seminar cum training on ‘AIDS- A Psycho-social perspective’ on 26, 27 and 28th February, 2002 at Arul Anandar College, Karumathur.

Seminar on ‘WTO and Medicinal Biotechnology’ held at Taj Hotel, Madurai, 2002.

National Seminar on Rural Biotechnology for Sustainable Development held in Feb, 2004 at Gandhigram Rural Institute, Gandhigram.

Seminar on ‘Genomics and Proteomics- Methods and Applications’, 29 and 30th September 2005 at School of Biotechnology, M.K.University, Madurai.

UGC sponsored National Seminar on ‘Organic Farming’ held at Arul Anandar College, Karumathur 2006.

National Seminar on Mosquito Biodiversity and Challenges in the Control of Mosquito-Borne Diseases held at Loyola College Chennai. February 19 & 20, 2007.

National Seminar on Recent Trends in Energy Technologies held at The American College, Madurai on 14 August 2015.

Advanced Separation and Detection Seminar organized by Agilent Technologies India Pvt. Ltd. on 5 September 2018 at Madurai.

International Seminar on Contemporary Ethical Issues organized by the Department of Religion, Philosophy and Sociology of The American College, Madurai on 18 February 2019.

UGC Recognized Orientation / Refresher Courses Attended:

Name of the Course/ Summer School	Place	Duration	Sponsoring Agency
Orientation Programme	Madurai Kamaraj University	16.02.2010-15.03.2010	UGC
Refresher Course	Madurai Kamaraj University	13.07.2011-02.08.2011	UGC
Refresher Course	Madurai Kamaraj University	16.11.2012-06.12.2012	UGC

List of Webinars attended

1. “Faculty Awareness Program on NAAC Accreditation” Organized by RD’s Shri Chhatrapati Shivajiraje College of Engineering, Dhangawadi, Pune-412206 conducted online during the period of 10/05/2020 to 15/05/2020.
2. International Webinar on “SUSTAINABLE DEVELOPMENT” conducted by Department of English Language, Nallamuthu Gounder Mahalingam College, Pollachi, on 14.05.2020
3. The Webinar on “Post COVID Academic Structure and IP” held on 16.05.2020 organized by Department of Nutrition, The Standard Fireworks Rajarathinam College for Women, Sivakasi
4. The International virtual conference “Immune Boosting Diet for COVID-19” on 21 May 2020 conducted by Department of Food Science & Nutrition, The American College, Madurai.
5. The Webinar on “Environmental Forensics” on 19-21 May 2020, organized by the Department of Environmental Biotechnology, School of Environmental Sciences, Bharthidasan University, Tiruchirappali.
6. National webinar entitled “Host-pathogen Interactions : Concepts of Virulence and Preventions Strategies” on 20-21 May 2020 organized by

Department of Biochemistry, Mahalakshmi Women's College of Arts and Science, Chennai.

7. The webinar on "History of Covid-19 Pandemic" on 22 May 2020 organized by Jayaraj Annapackiam College for Women, Periyakulam, Theni, district
8. National Level FDP on "Building a Predictive Understanding of Microbial Communities" on 23-24 May 2020 organized by PG & Research Department of Zoology, Nirmala College for Women, Coimbatore.
9. The Webinar on " Introduction and Deep Learning Model for Predictive Analysis" on 30 May 2020 organized by Department of Information Technology, St. Joseph's College of Engineering, Chennai.
10. National Workshop on " Nutritional Sustenance through Dairy Products: Initiatives and Strategies" on 1 June 2020 organized by College of Food and Dairy Technology, Tamil Nadu Veterinary and Animal Sciences University, Chennai
11. The Webinar presentation on "Sustainable IT in Rural and Remote Environments" on 2 June 2020 organized by Mizoram University, Aizawl, India
12. International Virtual Conference on " COVID-19 Recent Updates and Current Advances" on 3-4 June 2020 organized by Department of Microbiology, The American College, Madurai.
13. The webinar on " Biodiversity and its Conservation" on 5 June 2020 organized by PG and Research Department of Zoology, Khadir Mohideen College, Thanjavur.
14. The webinar on "Insights on Infectious and Rare Diseases" on 15.05.2020 organizes by G.T.N. Arts College, Dindigul.
15. The webinar on "Intellectual Property Rights" on 22.05.2020 organized by Research and Development Cell and IPR Cell with Chennai Softech Technical Partner, organized by Sengamala Thayar Educational Trust Women's College, Trichy
16. The webinar on " AI based Proctoring in Next Generation Education" on 23 May 2020 organized by Internal Quality Assurance Cell (IQAC) AND School of Computatioal Science, Shri Shankaralal Sundarabai Shasun Jain College for Women, Chennai

17. The webinar on “ Cancer Care n the Covid -19 Era” on 28.05.2020 organized by Department of Microbiology, S. Vellaichamy Nadar College, Madurai
18. The webinar on “Outcome based Accreditation” on 27.05.2020 organized by Internal Quality Assurance Cell (IQAC), Dhanalashmi Srinivasan Engineering College, Perambalur.
19. The webinar on “Uncovering PIAZZA for Effective Teaching” on 27 May 2020 organized by Plant Biology and Biotechnology, Presidency College, Chennai.
20. The webinar on “ Application of Statistics in Research” on 27 May 2020 organized by Research Department of Microbiology, Sadakathulla Appa College, Tirunelveli.
21. Webinar on "Happy Living" organized by G.T.N. Arts College, Dindigul on 27th May 2020
22. The webinar on “ Career Opportunities and Challenges after Covid-19” on 28 May 2020 organized by Department of Business Studies, Vivek College, Bijnor.
23. The webinar on “ Improving the Visibility of Rsearch Work”on 28 May 2020 organized by Poompukar Coolege, Melaiyur, Trichy
24. International Webinar on “Current Applications of NMR Spectroscopy” organized by the PG Department of Chemistry, T.D.M.N.S. College, T. Kallikulam, Tirunelveli, Tamil Nadu, on 29th MAY, 2020.
25. The webinar on “ Maganetic Nanocarriers for Enhanced Enzyme Activity” on 30 May 2020 organized by Department of Biotechnology, Prathyusa Engineering College, Chennai.
26. The webinar on “ Free Statistical Tool for Research Data Analysis and Research Publications with Special Reference to Citation” on 1-2 June 2020 organized by Library Jayaraj Annapakiam College for Women, Periyakulam, Theni district.
27. The webinar on “ Optimistic Approach to human Excellence” on 03 June 2020 organized by Bless o Bliss, You Tube Channel
28. The webinar on “Time For Nature” on 5 June 2020 organized by Department of Management Science, Park’s College, Tiruppur.

29. International Webinar on “House Plants mitigating the Indoor Pollution” on World Environment Day 5 th June, 2020 organized by The Department of Botany, Isabella Thoburn College, Lucknow
30. International Webinar on " COVID - 19: AWARENESS AND PREVENTION"organised by Department of Zoology,Quaid-e-Millath Government College for Women (Autonomous), Chennai,Tamilnadu,India.on 5th June 2020.
31. National Webinar on Climate Change and Agro-forestry –Impacts, Implications and Strategies held on World Environment Day, June 5, 2020 at Chandra Shekhar Azad University of Agriculture and Technology, Kanpur
32. The Webinar on “The Cause and Consequences of Locust Plague and its Biological Significance” on 6 June 2020 organized by Department of Zoology, M.V. Muthiah Government Arts College for Women. Dindugul
33. Webinar on Dream Big organised by PG & Research Department of Zoology, V.O.Chidambaram College on 06.06.2020.
34. The webinar on “Biotechnological and Immunological Perspectives of Pandemic Disease” on 9-10 June 2020 organized by Department of zoology ad Research Centre , Aditanar College of Arts and Science. Tiruchendur.
35. The webinar on “Role of IQAC IN Maintaining Quality Standards in Higher Education” on 11 June 2020 organized by IQAC, Government Arts College for Women, Nilakottai
36. Webinar on “ONLINE EDUCATION A BOON OR BANE - THE PROS AND CONS”, Organized by the Department of Business Administration, The American College, Madurai on the 11th of June 2020.
37. National Level Skill Development Programme for Teaching Faculty on “Re-Energizing the Classroom with Innovative Teaching Techniques”, organized by the PG & Research Department of Commerce, Rajapalayam Rajus’ College, Rajapalayam, on 12.06.2020.
38. Webinar on” Plant Based Biopolymers for Human Utilization” Organized by PG & Research Department of Botany, Adhiyaman Arts & Science College for Women,Uthangarai on 17th June 2020.
39. Webinar on 'Role of immunomodulating foods in preventing COVID-19' organized by the Department of Applied Nutrition and Public Health, Sadakathullah Appa College (Autonomous), Tirunelveli on 17th June 2020

40. Two Day International Motivational Webinar on “Global Pandemic Challenge : Mental Health and Future Education” organised by the Department of Zoology, G. T.N. Arts College (Autonomous), Dindigul on 19 & 20, June 2020.
41. Webinar on “Impact of Covid 19 on Educational Services and Alternating Strategies” organized by the Department of Commerce, The American College, Madurai held on 20 June 2020.
42. Webinar on Biological Sciences, Conducted by PG and Research Department of Zoology, Rajah Serfoji Govt. College (Autonomous), Thanjavur from 20.06.2020 to 22.06.2020
43. National level webinar on “Prompting Career Opportunities in Statistics and Data Analytics” conducted as a part of “Ten days Webinar Marathon 2020” organized by Department of Statistics, Govt. Arts College, Salem held on 22.06.2020 AN.
44. International Webinar on COVID-19 organized by CO2 Research and Green Technologies Centre, Vellore Institute of Technology held on 22nd June, 2020.
45. National Level Webinar on 'Inclusion of persons with disabilities in higher education and employment jointly organized by Andhra Loyola College, Vijayawada, AP and Youth4jobs foundation in collaboration with Xavier Board of Higher Education in India on 22nd and 23rd June 2020
46. “Online Assessment Tools” of National Webinar on “ICT Tools for Teaching-Learning” Organised by Internal Quality Assurance Cell, St. Xavier’s College (Autonomous), Palayamkottai, Tamilnadu on 23 July 2020 (Day 1)
47. “Tools for Interactive Content Preparation” of National Webinar on “ICT Tools for Teaching-Learning” Organised by Internal Quality Assurance Cell, St. Xavier’s College (Autonomous), Palayamkottai, Tamilnadu on 24 July 2020 (Day 2)
48. Webinar on 'Electroanalytical Techniques' organized by American College Central Instrumentation Center, The American College, Madurai on 24th June 2020
49. Webinar entitled “Diagnostic Tests for COVID-19” on June 25,2020 organised by the Department of Biochemistry, Department of Botany,

Research Department of Zoology and Department of Biotechnology,
Seethalakshmi Ramaswami College, Tiruchirappalli .

50. National Webinar on “Are you tired enough? How to maintain harmony between physique and mind during Lockdown” organised by G.T.N. College of Nursing, Dindigul on June 26, 2020.
51. International Virtual Conference on “Novel biotechnological approaches to combat emerging diseases with special focus on SARS associated Coronavirus Therapeutics” organized by the Department of Plant Biology & Plant Biotechnology, Presidency College, Chennai on June 26, 2020.
52. International Webinar on “A Path to Wellness : Diabetes and Me” organized by the PG and Research Department of Zoology, St.Mary’s College (Autonomous), Thoothukudi on 26.06.2020.
53. International Webinar on “Evolution of Treatment: An Overview -Cancer and Covid 19” organised by the Department of Zoology, Holy Cross College (Autonomous), Nagercoil, Kanniyakumari District, on June 27, 2020.
54. Webinar on “DIETING AND DIETARY CHOICES-ITS IMPACT ON HEALTH AND HAPPINESS ” on 29th June 2020 conducted by the Bioinfotech Club of Department of Biotechnology, Prathyusha Engineering College, Chennai
55. Webinar on “UNIQUE ADAPTATIONS OF MARINE MOLLUSCS” Organized by PG and Research Department of Zoology, Ethiraj College for Women, Chennai on 30 June 2020.
56. Webinar on "Transition to online teaching: Challenges and Preparation" organized by the Dept. of Business Administration, The American College, Madurai on 30th June 2020
57. National Webinar on “FIERY DRAG OF BIOTECHNOLOGY - A PHILOSOPHICAL APPROACH” organised by the Department of Botany, Bishop Cotton Women's Christian College, Bengaluru on 1st July, 2020
58. Webinar entitled “Face Mask – Life Mask” organized by The American College in association with Tamil Nadu Science Forum (TNSF), Madurai on 02.07.2020.
59. International Webinar entitled “Insights on the Role of microRNA’s in Immunity” organised by the Department of Biochemistry, Mahalakshmi Women's College of Arts and Science, Avadi, Chennai on 02-07-2020.

60. International Webinar on SARS-CoV-2 Coronavirus: Emergence and antiviral strategies' organized by the PG and Research Department of Botany, V.O.Chidambaram College, Thoothukudi on 02.07.2020
61. Two - Day National Level E-Workshop on “Understanding OBS Studio & Streamyard for E-Content Creation and Live Streaming” organized by the Faculty of Humanities and Science, Adayalampattu Phase -II campus on 10th July & 11th July 2020.
62. International Webinar Series on “Recent Trends in Life Sciences” organised by the Department of Zoology, G. T. N. Arts College (Autonomous), Dindigul on 02nd July 2020.
63. International Webinar Series on “Recent Trends in Life Sciences” organised by the Department of Zoology, G. T. N. Arts College (Autonomous), Dindigul on 03rd July 2020.
64. International Webinar Series on “Recent Trends in Life Sciences” organised by the Department of Zoology, G. T. N. Arts College (Autonomous), Dindigul on 04th July 2020.
65. Webinar on Wildlife Resources of Oriental Region: Conservation Challenges delivered by Dr. J. Antony Johnson, Department of Habitat Ecology, Wildlife Institute of India, Dehradun, INDIA, held on 3 July 2020 (Friday), Organized by Faculty of Applied Sciences, AIMST University - 08100 Semeling, Kedah Darul Aman, Malaysia
66. National Webinar on "WomENTrepreneurship: A strategy towards sustainable development" organized by Women Development cell, Rajapalayam Rajus' College, Rajapalayam on 3rd July 2020
67. Webinar on “Maintaining Quality of Life during COVID Era”, Organized by the Department of Business Administration, The American College, Madurai, held on 03 July 2020.
68. One day International Webinar on “TRANSLATIONAL IMAGING” organized by the Department of Zoology and Research Centre, Aditanar College of Arts and Science, Tiruchendur on 06.07.2020.
69. Online Faculty Development Program on Recent trends in life sciences ” organized by Department of Zoology, St. Jude’s College, Thoothoor on 06.07.2020 to 10.07.2020.

70. Webinar on 'Spectroscopic Techniques - II' organized by the American College Central Instrumentation Centre, The American College, Madurai on 08th July 2020
71. 2-Day Faculty Development Program on 'Effective and efficient Online teaching and content development' on 8th and 9th of July 2020 conducted by Audyogik Tantra Shikshan Sanstha's Institute of industrial and Computer Management and Research, MBA@IICMR, Maharashtra
72. International Webinar Series on 'Recent Advances in Life Sciences' dated From 08-07-2020 To 10-07-2020 (Three days) organized by the Department of Zoology, Sri Meenakshi Government Arts College for Women (Autonomous), Madurai, Tamilnadu, India-625002.
73. Webinar on 'New Challenges in Marine Pollution' organized by Department of Chemistry, Einstein College of Arts and Science, Tirunelveli held on 11.07.2020
74. Webinar on "PATENTING FOR PROSPERITY" on 11th July 2020 conducted by the Department of Biotechnology, Prathyusha Engineering College.
75. Webinar on "Coronavirus: Facts Vs Myths" on 13.07.2020 on account of "World Population Day", Organized by National Service Scheme (NSS) & Red Ribbon Club(RRC), Sri Sarada College for Women (Autonomous), Salem - 636 016
76. International interdisciplinary webinar "EMERGING TRENDS IN BIOPHYSICAL CHEMISTRY" conducted By Department of Chemistry, The Madura College on 15-7-2020
77. Online Seminar sponsored by DST FIST with certificate id: CH8E9I-CE000075 dated 15-7-2020 on topic "Neural circuits for escape and exploratory behavior" organised by Post Graduate Department of Zoology, DAV College, Jalandhar
78. International Webinar on ANTICIPATING PANDEMIC MEASURES OF COVID - 19, conducted by the PG & Research Department of Microbiology and Biotechnology, Sengunthar Arts and Science College, Thiruchengode, Namakkal on 16.07.2020.

79. National webinar on “HOST IMMUNE RESPONSES V’s VIRAL INFECTIONS” organized by PG Department of Zoology, Government Arts College, Melur on 18th July, 2020.
80. National Webinar on ‘Role of IQAC in Innovative Teaching Pedagogy & Quality Sustenance in the Post COVID - 19 Scenario’ organized by the IQAC, Indian Academy Degree College -Autonomous on 18th July 2020.
81. Two training programme on 'Supplementing learning digitally' organized by Internal Quality Assurance Cell (IQAC), Vivekananda College, Agasteeswaram, held on 20th and 21th July 2020
82. International Webinar on 'Past, present and future trends in Vaccinology' organized by the Maduarai Kamaraj University, Madurai on 20th July 2020
83. National webinar on “Teacher Vs Learner: Impact of COVID’19 in colleges” organized by Internal Quality Assurance Cell, The American College, Madurai on 22 July 2020
84. Webinar on "Digital Transformation in Higher Education by using MS Teams" organized by the Department of Business Administration, The American College, Madurai held on 10th of July 2020
85. International Workshop on Entrepreneurship on Bioproducts organized by the Zoology Department and Research Centre, Placement Cell & IQAC of Sarah Tucker College (Autonomous), Tirunelveli on 10.07.2020.
86. International webinar on “Sustainable and Smart Villages” organized by PG and Research Department of Economics, The American College, Madurai and Tamil Heritage Foundation *International* (THFi) on 6 October, 2021
87. One day National webinar on Wetland Conservation organized by Discovery Publishing House, New Delhi on 2 February 2022.

MEMBER IN SOCIETIES

1. International Consortium on Salt Lake Research, Australia.
2. All India Bioethics Association, Chennai, India.
3. Association of Microbiologists of India.
4. Indian Immunology Society
5. Tamil Nadu Science Forum

List of Publications

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 and others), Loyola College, Chennai, pp. 263-267.
2. A. Jebanesan, M. Selvanayagam T. Peterraj and **A.J.Thatheyus** (1987) Effect of cythion and K-Othrine 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 in river Coom, Madras. **Trends in Environmental Pollution and Pesticide Toxicology** (Eds. Shashikant, S. Vohra and Y.N. Sahai), Jagminder 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. **Bicovas** 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 A. Jebanesan, (1989) A general survey of aquatic pollution in the river Coom, Madras. **Environment & Ecology** 7: 24-28.
8. **A.J.Thatheyus**, M.Selvanayagam, T.Peter Raj and P.Subramanian (1989) Studies on the food utilization of the larvae of *Eupterote molifera* fed with cythion treated *Ricinus communis* leaves. **Uttar Pradesh J.Zool.** 9: 193-201.
9. **A.J.Thatheyus**, M. Selvanayagam and A. Jebanesan (1990) Acute toxicity of dichlorovos and malathion to the sit and wait predator *Ranatra filiformis* (FABR). **Poll. Res.**, 8, 91-094.

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11. 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: 29-33.
12. A. Jebanesan, M. Selvanayagam and **A.J.Thatheyus** (1992) Studies on the metallic pollution in river Cooum, Madras, **Proceedings of the National Symposium on Environmental Biology** (Eds. M.A. Haniffa & M. Narayanan), St. Xavier's College, Palayamkottai, India, pp.9-13.
13. M.A. Haniffa and **A.J.Thatheyus** (1992) Effect of age related mating schedule on reproduction in the silk worm *Bombyx mori* L. **Sericologia**, 32: 217-312.
14. **A.J.Thatheyus**, M. Selvanayagam 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.
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16. **A.J.Thatheyus** (1992) Behavioural alterations induced by nickel and chromium in common carp, *Cyprinus carpio Var communis* (Linn). **Environment & Ecology** 10, 911-913.
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induced by Hexavalent Chromium. A Scanning Electron Microscopic Study. In: **Proceedings of the International Congress on Electron Microscopy 13-Paris**, pp. 1273-1274.

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45. **A.J.Thatheyus** (2006) Vermicomposting: 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.

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- 59.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.Muthulingam, 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.
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62. Dorey Benjamin and **A.J.Thatheyus** (2012) Acute toxicity of nickel and cadmium to the Cichlid fish, *Oreochromis mossambicus* (Peters). **Research in Zoology** 2:19-22.
63. E.Joy Sharmila and **A.J.Thatheyus** (2012) Diversity of Butterflies in Alagar Hills, Tamil Nadu, India. **Scientia Acta Xaveriana**(Special issue) S233-S236.
64. P.Robert, **A.J.Thatheyus** and R.Vidhya (2012) Biological Treatment of Dye effluent using Coconut pith. In: Proceedings of the National Seminar on New Frontiers in Biology, JA College, Periyakulam, India, pp.50-60.
65. G.Samuel, **A.J.Thatheyus** and D.Ramya (2012) Biological Treatment of Synthetic Fibre effluent using Saw Dust. In: Proceedings of the National Seminar on New Frontiers in Biology, JA College, Periyakulam, India, pp.61-68.
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196. J.John Paul, A.Surendran and **A.J.Thatheyus** (2021) Biodecolourisation of Bismarck Brown dye using Orange peel. Indian J.Exp.Biol., 59: 564-569

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198. S.Manimozhi, A.Surendran and **A.J.Thatheyus** (2021) Biodegradation of the Neonicotinoid Pesticide, Spiromesifen using the natural bacterial isolate, *Serratia* sp. International Journal of Contemporary Microbiology, 8: 12-20.

199. D. Ramya , **A.J. Thatheyus**, S. Jemima Balaselvi Juliana, N.Jennifer Michellin Kiruba and Deborah Gnana Selvam (2022). Physical characterization and kinetic studies of Zn (II) biosorption by *Morganella morganii* ACZ05. Water Science & Technology. 85(4), 970
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Books published

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)

3. E.Joy Sharmila and **A.J.Thatheyus** (2014) **Butterflies of Alagar Hills**. The American College Publications, Madurai, India. 42p. (ISBN: 978-81-928661-4-7).

Awards Received

1. **CSIR Research Associateship awarded by CSIR, New Delhi in 1991.**

2. **“Research Scholar Award” presented by Bell Matriculation School, Palayankottai on Teacher’s Day, 5 September, 1995.**

3. **“Outstanding Faculty Award” presented by Venus International Foundation, Chennai, India on 5 July, 2015.**

4. **“Loyola Environmental Award” presented by SECNARM, Loyola College, Chennai, India on 5 December, 2016.**

5. Best Scientist Award presented by IMRF, India on 14 March 2019 at Carmel College for Women, Nuvem, Madgoan, Goa.

6. Outstanding Contribution to Science Award-2019 for contribution to Environmental Sciences, Biotechnology & Toxicology on 17 November 2019 by Dr.B.Vasantharaj David Foundation, Chennai.

7. Lifetime Achievement Award for the contribution and honourable achievement in innovative research during 1st International Research Awards on Science, Health and Engineering 11-12 January 2020, Chennai by Science Father of Scifax company, Approved by Ministry of Corporate Affairs, Govt. of India.

8. Best Senior Faculty Award presented by Novel Research Academy, Puducherry, India (2019-2020).

Funds Received

1. TNSCST 2004-05 Student Projects Scheme – M.V.Devika and C.Devisree Rs.4000/- Code: ES.03 “Biodegradation of Pesticides employing Microbes”

2. TNSCST 2006-07 Student Projects Scheme –Shivani Gupta, R.Raja Lakshmi and M.Britto. Rs.5000/- Code: ES.22 “Biosorption of lead by *Bacillus subtilis*”

3. UGC Major Research Project- Bioremediation of effluents from electroplating using chosen bacteria- Rs. 8, 53,000- 2011 to 2014.

Overseas Academic Visits:

International Conference Emerging Trends in Multidisciplinary Research held at Singapore on 27-30 December 2017.