

CURRICULUM VITAE

DR. A. SELVAM

Associate Professor

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Jawaharlal Nehru Memorial Fellow



CURRENT ADDITIONAL POSITIONS

- Member Syndicate of Manonmaniam Sundaranar University (up to 22.06.2025)
- Director, Department of Vocational Education, Manonmaniam Sundaranar University (From 04.11.2024)
- Nodal Officer, Chief Minister Research Fellowship (from 09.11.2024)
- Departmental IQAC Liaison Officer
- Member, Purchase committee to Academic Departments (2022-25)
- Member, Board of Studies in Botany for U.G. Botany, Kamaraj College (Autonomous), Thoothukudi (4 Nov 2024-3 Nov 2027)
- Member, Awards Committee, Pope's College (Autonomous), Sawyerpuram (up to 30.06.2025)
- Member, National Institute of Ranking Framework (NIRF) – 2025 related Process. (29.10.2024).

ACADEMIC QUALIFICATIONS

Ph.D.: Botany, Centre for Advanced Studies in Botany, University of Madras, Chennai, India, 2001

M.Phil.: Botany (Mycology), Centre for Advanced Studies in Botany, University of Madras, Chennai, India, 1995.

M.Sc.: Botany, Bharathiar University, Coimbatore, India

B.Sc.: Botany, Bharathidasan University, Trichirappalli, India

Other Professional development courses completed

- 2019 Feb-Apr: Online course on Plastic Waste Management, offered by NPTEL, Completed, 82%

CAREER HISTORY

Previous Positions

Research Assistant Professor: Sino-Forest Applied Research Centre for Pearl River Delta Environment & Department of Biology, Hong Kong Baptist University, Hong Kong SAR (2012 – 2016).

Research Fellow: Sino-Forest Applied Research Centre for Pearl River Delta Environment, Hong Kong Baptist University, Hong Kong SAR (2012).

Research Associate, Sino-Forest Applied Research Centre for Pearl River Delta Environment, Hong Kong Baptist University, Hong Kong SAR (2010 –2012).

Post-Doctoral Visiting Research Scholar, Department of Biology, Hong Kong Baptist University, Hong Kong SAR (2008 – 2010).

Post-doctoral Fellow, Department of Microbiology and Biochemistry, National Taiwan University, Taiwan (2005 – 2008).

Post-Doctoral Visiting Research Scholar, Department of Biology, Hong Kong Baptist University, Hong Kong SAR (2004 – 2005).

Lecturer, Department of Biotechnology, Periyar Maniammai College of Technology for Women, Vallam, Thanjavur, India (2003-2004).

Project Assistant, Centre for Environmental Studies, Anna University, Chennai, India (2001 – 2003).

Research Fellow (Jawaharlal Nehru memorial fund), Centre for Advanced Studies in Botany, University of Madras, Chennai (2000-2000).

Junior & Senior Research Fellow (Ministry of Coals, Government of India), Centre for Advanced Studies in Botany, University of Madras, Chennai, 1995-1999.

EXPERTISE

Organic Waste treatment – Composting, Anaerobic digestion and Microbial fuel cells

Phytoremediation of heavy metal contaminated soil

Antibiotics and antibiotic resistant genes in environmental matrices

Mycorrhizal biotechnology

PUBLICATIONS METRICS (AS ON MARCH 2023)

Publication type	No	Citation Index	
Peer Reviewed Journal Publications	89	Total Citations	7203
Full papers in proceedings	71	h-index	49
Book Chapter	12	i10-index	87
Books / Journal Edited	12	Total Impact Factor	389
Sequences Submitted (299)	2 sets		

ORCID ID	https://orcid.org/0000-0002-0986-9170
Researcher_ID	D-4806-2012
Scopus_ID	1159806
Google_Scholar_ID	Ammaiyappan Selvam

SPONSORED PROJECTS

1. Developing an Effective Struvite Composting Process for Poultry Manure and Evaluating its Agronomic Potential; DST-SERB, Core Research Grant; File Number: CRG/2021/007146; INR 25,24,060; 8 Mar 2022 – 7 Mar 2025.
2. Enhanced methane production and biogas upgrading during food waste anaerobic digestion, ECF 75/2014, Nov 2015 – Jan 2017, HK\$930,400 [Co-investigator, Environment and Conservation Fund, Hong Kong].
3. Matagenomic-metatranscriptomic analysis of the acidogenic reactor in a two-phase anaerobic digestion process, HKBU262013, 12/2013-5/2016, HK\$736,128 (Co-Investigator; RGC-GRF, Hong Kong].
4. High nutrient compost production, Project Reference Number: ITS/576/09, 2010-2011, HK\$998,660 [Deputy Project coordinator, Innovation and Technology Commission, Hong Kong SAR].

OTHER GRANT PROPOSALS INVOLVED

1. Fate of antibiotic resistant genes in pig manure during aerobic composting (Faculty Research Grant, HKBU, 2011, HK\$100,000).
2. Enhancing the stabilization and dewaterability of activated or anaerobically digested sludge through innovative bioleaching method (Innovation and Technology Fund –ITS/297/11, HK\$ 994,842, 2012/2013).
3. Bioaerosol monitoring during Incineration of Clinical Waste at the Chemical Waste Treatment Centre at Tsing Yi
4. Consultancy service to Lee Hysan Foundation of waste separation at estate buildings (Consultancy, 2011).
5. The Provision of Service of Help-desk Service for Collection and On-site Recycling of Source Separated Food Waste (HKEPD, 2011).
6. De-centralized food waste composting at community level: Challenges, optimization and demonstration (Environmental Conservation Fund, 2011, HK\$ 1,936,320).
7. Nitrogen conservation based greenhouse gases reduction during food waste composting: Revealing the microbial dynamics and improving the composting efficiency (2010-General Research Fund for 2011/2012 exercise).
8. Understanding of the behaviour of low molecular-weight carboxylic acids during composting to facilitate food waste composting in an urban city like Hong Kong (GRF exercise 2010/2011).

9. An innovative approach to enhance the energy and biomass production from food waste through a combined anaerobic digestion and composting technology (CRF proposal to RGC, 2010/2011).
10. Anaerobic digestion of food wastes: Optimization of hydrolysis/acidogenesis in a two-phase hybrid anaerobic solid-liquid system (FRG proposal to HKBU, 2010/2011 exercise, HK\$ 80,000).
11. Evaluation of Plant Growth and Establishment in Green Roof Applications in Hong Kong (to ECF, 2010).
12. Sustainable Management of Organic Waste for Energy and Biomass Production (RGC-Theme based Research, 2010, White paper exercise).
13. Developing HKBU towards a Sustainable Low Carbon Campus. HKBU Proposal for Strategic Development Fund Application (2009).
14. Antibiotics and antibiotic resistant genes in potable water and soil environment of Hong Kong (2008-09, Environmental Conservation Fund, HK\$465,680).

EXPERIENCE IN RESEARCH/CONSULTANCY PROJECTS

Research Projects Involved

1. Monitoring antibiotic degradation and antibiotic resistant genes during composting - 10/2008-Present (GRF project completed)
2. Antibiotics and antibiotic resistant genes in Hong Kong & Dongjiang water and sediments– 6/2009-12/2010 (ECF project completed)
3. Food waste composting to reduce the nitrogen loss & reduce the odour– 1/2009 – Present (ITF project completed)
4. Anaerobic digestion of food wastes – 4/2008-Present (FRG, HKBU, GRF)
5. Alkaline stabilization of pig manure – 1/2009-10/2009
6. Monitoring the indoor bioaerosol in shopping malls of Hong Kong – 2009-2010 (Honors project)
7. Microemulsion assisted bioremediation of pesticide contaminated soils – 4/2008-11/2010 (GRF)
8. Soil metagenomic research (Proteases and keratinase) & Microbial monitoring of forest soils – 11/2005-3/2008 (Taiwan NSF)
9. Role of Plant Low-Molecular-Weight Chelators in Continuous Phytoextraction of Cadmium in the Absence and Presence of Competing Metal Ions - 11/2004-10/2005 (GRF)
10. Heavy metal speciation in sewage sludge composting – 11/2004-10/2005
11. Phytoremediation of dumpsites, landfill mining and pollutant monitoring – 5/2001-8/2003 (SIDA funded)
12. Investigation of the efficiency of *Rhizobium* and mycorrhizal fungi on *Arachis hypogaea* in humic acid amended soils- 1/2000-12/2000 (Jawaharlal Nehru memorial fund)-Individual award.

13. Bioremediation of fly ash dumps with Neyveli Lignite Corporation, India- 11/1995-12/1999 (Coal India Ltd, Govt. of India)

Consultancy Projects Involved

1. Evaluating the Microbial Populations of Chemical Wastes Received at the Chemical Waste Treatment Centre at Tsing Yi (CWTC), Ecospace Ltd (2011-2014)
2. Evaluating the efficiency of disinfection process of clinical waste incineration at CWTC, Ecospace Ltd (2013)
3. Bioaerosol monitoring during Incineration of Clinical Waste at the Chemical Waste Treatment Centre at Tsing Yi (2011/on-going).
4. Water Quality Monitoring programme for Shing Mun River (Shatin District Council) – Data analyses, Report preparation & presentation) (2009/2010).
5. The Additional Work on Livestock Waste/Sludge Composting Trials at Ngau Tam Mei Animal Waste Composting Plant (EMSD) – Supervision of analyses, maturity evaluation, data analyses and report writing (2009/2010).
6. Pilot Plant Development of Biodegradable Waste Treatment Facilities – Investigation, HKEPD - Data analyses and report writing (2009).

ACADEMIC RECOGNITION

1. Session Chair, International Conference on Solid Waste 2011 - Moving Towards Sustainable Resource Management, Hong Kong Baptist University, Hong Kong SAR, P.R. China, May 2-6, 2011.
2. Session Chair, International Conference on Solid Waste Management and Exhibition on Municipal Services, Urban Development, Public Works & Clean technology, Jadavpur University, Kolkata, India, November 9 - 11, 2011.
3. Session Chair, 1st International Conference on Technologies for Sustainable Waste Management in Developing Countries -ICTW 2013, 23-24 August 2013, Vignan University, Andhra Pradesh, India.
4. Session Chair, International Conference on Solid Waste: Innovation in Technology & Management, Hong Kong Baptist University, May 5-9, 2013, Hong Kong SAR, P.R. China.
5. Editorial Board member, Environmental Technology, Taylor & Francis Ltd (From April 2013-2020).
6. Session Chair, ICSWHK2015: International Conference on Solid Waste: Knowledge Transfer for Sustainable Resource Management, May 19-23, 2015, Hong Kong SAR, P.R. China.
7. International Scientific Committee Member, International Conference on Solid Waste 2023: Waste Management in Circular Economy and Climate Resilience. 31 May-3 June 2023 at the Hong Kong Convention and Exhibition Centre, Hong Kong SAR.
8. Associate Editor, Environmental Technology, Taylor & Francis Ltd (2021-Till date).

9. Member, International Scientific Committee, International Conference on Solid Waste 2023: Waste Management in Circular Economy and Climate Resilience, 31 May – 03 June 2023, Hong Kong.

FOREIGN VISITS

1. 2019 (May-June) – Hong Kong Baptist University, Hong Kong SAR, P.R. China. Collaborative research with Prof. Jonathan Wong at Institute of Bioresources and Agriculture for 1 month.
2. 2023 (May-June) – Hong Kong Baptist University, Hong Kong SAR, P.R. China. Collaborative research with Prof. Jonathan Wong at Institute of Bioresources and Agriculture for 1 month.

AWARDS, HONORS, RECOGNITION

1. 2000: Research Fellowship, Jawaharlal Nehru memorial fund, New Delhi, India.
2. Best Poster Award, In-vessel Co-composting of Horse Stable Bedding and Abattoir Blood Meal at Different C/N Ratios: Process Efficiency, International Conference on Solid Waste 2011 - Moving towards Sustainable Resource Management, 2-6 May 2011, Hong Kong Baptist University, Hong Kong SAR, P.R. China.
3. Best Technical Paper Presentation, Co-composting of Pig Manure with Horse Stable Bedding Waste, International Conference on Solid Waste Management and Exhibition on Municipal Services, Urban Development, Public Works & Clean technology, 9-11 November 2011, Jadavpur University, Kolkata, India.
4. Best Poster Award for “Stabilization and Dewaterability of Chemically Enhanced Primary Treatment Sludge by Filamentous Fungi”, International Conference on Solid Waste: Innovation in Technology & Management, Hong Kong Baptist University, May 5-9, 2013, Hong Kong SAR, P.R. China.
5. “Alberto Rozzi” Best Paper Award for “Enhancing methane production during two-phase anaerobic digestion of food waste by reutilizing hydrogen and carbon dioxide produced in acidogenic leach bed reactor”, the 14th International Waste Management and Landfill Symposium, Sardinia, Italy, 30 September – 4 October 2013.
6. HKBU Faculty of Science – “Certificate of Appreciation” for Outstanding achievement and devotion to education and commitment to excellence, December 2013.
7. Best Poster Award, Rotary drum composting of pig manure with horse stable bedding waste at different carbon/nitrogen ratios: process evaluation, International Conference on Solid Waste 2015 - Knowledge Transfer for Sustainable Resource Management, 19-23 May 2015, Hong Kong SAR, P.R. China.
8. Judge to assess the Posters of the ‘International Workshop on Recent Trends in Food biotechnology and exploration of the opportunities to feed the world’, Manonmaniam Sundaranar University, 10 January 2018.

9. Judge to assess the Posters of the 'National Day Celebration', Department of Animal Science, Manonmaniam Sundaranar University, 28 Feb 2018.
10. 'Certificate of Appreciation for being a part of implementing MOOCS at MSU as Mentor' 2018-19 batch, Manonmaniam Sundaranar University, Tirunelveli.
11. 'Top Performing Mentor', Certificate of appreciation awarded by NPTEL in recognition as a role of mentor for the NPTEL online certificate course on 'Plastic Waste Management' offered during Jan-Apr 2019.
12. 'Certificate of Appreciation' for the contribution towards preparation and submission of IIQA and SSR documents for NAAC accreditation process during July 2018, Manonmaniam Sundaranar University, Tirunelveli.
13. 'Letter of appreciation' awarded by NPTEL in recognition as a role of mentor for the NPTEL online course on 'Plastic Waste Management' offered during Jan-Apr 2020.
14. Judge to assess the event 'Art from Waste' during ZOOFEEST 2022, Department of Animal Science, Manonmaniam Sundaranar University, 30 Mar 2022.
15. Session Chair, National Conference on Phytomedicine: Current Challenges and Future perspectives (NCPM 2023), Department of Botany, Bharathiar University, 6 Jan 2023.
16. Resource Person to evaluate the research proposals presented by the participants of the Refresher Course in Botany (Batch XV), UGC-HRDC, University of Madras, Chennai, 19 Oct 2022.
- 24.03.19. Served as Judge for Poster presentation, ZOOFEEST 2K24, Department of Animal Science, Manonmaniam Sundaranar University, Tirunelveli, 19 Mar 2024

PRESENTATIONS IN CONFERENCES/SEMINARS

1. Invited Public Lecture, Applied Research Centre for Pearl River Delta Environment, Hong Kong Baptist University, Hong Kong SAR, P.R. China, 2008. Topic: 'Anaerobic Digestion Technology'.
2. International Conference on Solid Waste 2011 - Moving Towards Sustainable Resource Management, 2-6 May 2011, Hong Kong Baptist University, Hong Kong SAR, P.R. China. Topic: The Fates of Sulfadiazine, Chlortetracycline, Ciprofloxacin during Composting of Swine Manure.
3. International Conference on Solid Waste 2011 - Moving Towards Sustainable Resource Management, 2-6 May 2011, Hong Kong Baptist University, Hong Kong SAR, P.R. China. Topic: In-vessel Co-composting of Sewage Sludge with Horse Stable Bedding Waste.
4. Invited lecture in Organic farm inspectors pre-training course 2011, Organic resource Centre, Hong Kong, 13th August 2011. Topic: Composting for Soil Management.
5. IEEE International Conference on Waste Recycling, Ecology and Environment, October 15-22, 2011, Mianyang, Sichuan, China. Topic: Decentralized Small-scale Food Waste Composting: Feasibility Study.
6. International Conference on Solid Waste Management and Exhibition on Municipal

- Services, Urban Development, Public Works & Clean Technology, November 9 - 11 , 2011, Jadavpur University, Kolkata, India. Topic: Co-composting of Pig Manure with Horse Stable Bedding Waste: Carbon and Nitrogen Transformation. **(Best Technical Paper Presentation Award)**.
7. International Conference on Solid Waste: Innovation in Technology & Management, Hong Kong Baptist University, May 5-9, 2013, Hong Kong SAR, P.R. China. Topic: Influence of Acidogenic-Off Gas in the Methanogenic Reactor: Changes in the Microbial Community.
 8. Invited Talk in 1st International Conference on Technologies for Sustainable Waste Management in Developing Countries -ICTW 2013, 23-24 August 2013, Vignan University, Andhra Pradesh, India. Topic: Enhancing methane production during two-phase anaerobic digestion of food waste by reutilizing hydrogen and carbon dioxide produced in acidogenic leach bed reactor.
 9. Invited lecture in Organic farm inspectors pre-training course 2013, Organic resource Centre, Hong Kong, 21 December 2013. Topic: Composting.
 10. Second Symposium of Asian Regional Branch of International Waste Working Group (IWWG-ARB), 13-14 April 2015, Shanghai China. Title: Headspace gas pressure and composition influence the metabolic pathways of food waste hydrolysis and acidogenesis.
 11. Second Symposium of Asian Regional Branch of International Waste Working Group (IWWG-ARB), 13-14 April 2015, Shanghai China. Title: Chinese medicine herbal residue: evaluation of its potential as a co-substrate for food waste composting and protecting the plants against fungal pathogens.
 12. International Conference on Solid Waste 2015 - Knowledge Transfer for Sustainable Resource Management, Hong Kong SAR, P.R. China, 19-23 May 2015. Title: Influence of composting conditions on the degradation of ciprofloxacin in pig manure.
 13. Invited speech on ‘Solid Waste Management – Scope for Bioenergy’ during Association meeting of Department of Botany, Sarah Tucker College (Autonomous) Tirunelveli, 10 Mar 2017.
 14. Invited speech on ‘Putrescible Waste Management’. In: the 41st Indian Social Science Congress, Periyar University, Salem, Tamil Nadu, India, 18-22 Dec 2017.
 15. Plenary Lecture on “Composting: A Potential Means to Bioremediate Antibiotic Contamination in Manure”, Silver Jubilee Commemorative National Conference on Environmental Science and Technology, 18-19 January 2018, Sri Paramakalyani Centre of Excellence in Environmental Sciences, Alwarkurichi-627 412, Manonmaniam Sundaranar University, Tamil Nadu, India
 16. Invited Lecture on Waste Management for National Eligibility Test (NET) examination. Department of Environmental Science, Periyar University, Salem, Tamil Nadu, India, 1 Mar 2019.
 17. Delivered a Keynote address on ‘Biomass and Bioenergy from Organic Waste’ at the National Seminar on Environmental Protection and Sustainability, Sadakathullah Appa

College, Tirunelveli, 19 Aug 2019.

18. Resource Person, Refresher course, UGC-Human Resource Development Centre, University of Madras, Chennai – 600 025, 19 Nov 2021.
19. Resource Person, Refresher course, UGC-Human Resource Development Centre, Bharathiar University, Coimbatore – 641 046, 8 June 2022.
20. Keynote address on ‘Conservation of Biodiversity’, National Conference on Western Ghats and Biodiversity Conservation’, Thiruvalluvar College, Papanasam, Tamil Nadu, India, 10-11 Aug 2022
21. Invited Talk during Ozone Day Celebration, Sri Paramakalyani Centre for Environmental Sciences (SPKCES), 16 Sep 2022.
22. Resource Person, Refresher course in Botany, UGC-Human Resource Development Centre, Madurai Kamaraj University, Madurai, 9 Nov 2022.
23. Resource Person, AICTE sponsored FDP programme on Energy and Engineering, Periyar University, Salem, 17 Nov 2022.
24. Invited Talk on ‘Organic Waste Treatment’ during State level seminar on Emerging trends in Biotechnology towards environmental sustainability, Pope’s College, Sawyerpuram, Tamil Nadu, 24 Feb 2023.
25. Invited Talk on ‘Solid Waste and Carbon Cycling’ during Workshop on “Forest Ecology”, Manonmaniam Sundaranar University, Tirunelveli, 23-24 March 2023.
26. Invited Talk on “Decentralized Municipal Solid Waste Composting in Tamil Nadu, India – A Case Study” during International Conference on Solid Waste 2023: Waste Management in Circular Economy and Climate Resilience, 31 May – 03 June 2023, Hong Kong

2024

27. Invited Talk on ‘Composting for Organic Waste Treatment’, V.H.N.S.N College, Virudhunagar, 23 Feb 2024

PUBLICATIONS

SEQUENCES SUBMITTED

1. Tsai, S.-H., Selvam, A., Chang, Y.-P., and Yang, S.-S. 2006. Bacterial Community Composition in Fushan Forest Soils of Taiwan. DQ451440-DQ451528, Genbank, NCBI (118 Sequences).
2. Selvam, A., Tsai, S.-H., and Yang, S.-S. 2008. Microbial ecology and bacterial community composition of spruce, hemlock and grassland soils in Tatachia forest of Taiwan. EU359912-EU360100 (188 Sequences).

BOOKS/JOURNALS EDITED

1. Wong, J.W.C., Fricke, K., Surampalli, R.Y., and Selvam, A. (Eds.). 2011. Abstract Book of the International Conference on Solid Waste 2011 - Moving Towards Sustainable Resource Management, Hong Kong Baptist University, Hong Kong SAR, P.R. China, ISBN 978-988-19988-1-1.
2. Wong, J.W.C., Fricke, K., Surampalli, R.Y., and Selvam, A. (Eds.). 2011. Proceedings of the International Conference on Solid Waste 2011 - Moving Towards Sustainable Resource Management, Hong Kong Baptist University, Hong Kong SAR, P.R. China, ISBN 978-988-19988-2-8.
3. Wong, J.W.C., Tyagi, R.D., Visvanathan, C., Yan, J.H., Selvam, A. (Eds.). (Nov) 2012. Special issue on "Advanced Treatment Technologies for Waste Recycling". Environmental Technology 33(22): 2479-2601.
4. Wong, J.W.C., Tyagi, R.D., Nelles, M., and Selvam, A. (Eds.). 2013. Abstract Book of the International Conference on Solid Waste 2013 - Innovation in Technology and Management, Hong Kong Baptist University, Hong Kong SAR, P.R. China, p.353, ISBN 978-988-19988-4-2.
5. Wong, J.W.C., Tyagi, R.D., Nelles, M., and Selvam, A. (Eds.). 2013. Proceedings of the International Conference on Solid Waste 2013 - Innovation in Technology and Management, Hong Kong Baptist University, Hong Kong SAR, P.R. China, p.1037, ISBN 978-988-19988-5-9.
6. Wong, J.W.C., Tyagi, R.D., Nelles, M., and Selvam, A. (Eds.). 2015. Abstract Book of the International Conference on Solid Waste 2015 - Knowledge Transfer for Sustainable Resource Management, Hong Kong SAR, P.R. China, ISBN 978-988-19988-8-0.
7. Wong, J.W.C., Tyagi, R.D., Nelles, M., and Selvam, A. (Eds.). 2015. Proceedings of the International Conference on Solid Waste 2015 - Innovation in Technology and Management Knowledge Transfer for Sustainable Resource Management, Hong Kong SAR, P.R. China, ISBN 978-988-19988-9-7.
8. Wong, J.W.C., Surampalli R.Y., Zhang, T.C., Tyagi, R.D., and Selvam, A. (Eds.). 2016. Sustainable Solid Waste Management, ASCE publications, USA, ISBN 978-0-7844-1410-1 (print); ISBN 978-0-7844-7930-8 (PDF).
9. Wong, J.W.C., Tyagi, R.D., Selvam, A. 2016 [Dec]. Abstract Book of Asia-Pacific Conference on Biotechnology for Waste Conversion 2016 (BioWC 2016), Hong Kong Baptist University, 5-8 Dec 2016, Hong Kong SAR, P.R. China, p.267, ISBN 978-988-19988-0-4.
10. Wong, J.W.C., Tyagi, R.D., Selvam, A. 2016 [Dec]. Proceedings of Asia-Pacific Conference on Biotechnology for Waste Conversion 2016 (BioWC 2016), Hong Kong Baptist University, 5-8 Dec 2016, Hong Kong SAR, P.R. China, p.508, ISBN: 978-988-19988-3-5.

11. Wong, J.W.C., Boopathy, R., Li, R.D., Selvam, A. 2017 [Jul-Aug]. Special issue on "Advanced Resource Recycling for Waste Reduction and Treatment". *Environmental Technology*, 38(13-14):1597-1834. [ISSN: 0959-3330; Taylor & Francis; IF: 1.760].
12. Ravichandran, P., William Dharmaraja, B., Selvam, A. 2018 [Apr]. Green Audit Report. Manonmaniam Sundaranar University, Tirunelveli – 627 012.

BOOK CHAPTERS

1. Selvam, A., and Wong, J.W.C. 2016. Waste Management and Sustainability: An Introduction. In: Wong, J.W.C., Surampalli R.Y., Zhang, T.C., Tyagi, R.D., and Selvam, A. (Eds.), *Sustainable Solid Waste Management*, ASCE publication, USA, Chapter 1, pp. 1-6, ISBN 978-0-7844-1410-1 (print); ISBN 978-0-7844-7930-8 (PDF).
2. Joseph, K., Selvam, A., and Wong, J.W.C. 2016. Waste Storage, Segregation and Collection. In: Wong, J.W.C., Surampalli R.Y., Zhang, T.C., Tyagi, R.D., and Selvam, A. (Eds.), *Sustainable Solid Waste Management*, ASCE publication, USA, Chapter 3, pp. 35-51, ISBN 978-0-7844-1410-1 (print); ISBN 978-0-7844-7930-8 (PDF).
3. Wong, J.W.C., Selvam, A., Awasthi, M.K. 2016. Composting for Organic Waste Management. In: Wong, J.W.C., Surampalli R.Y., Zhang, T.C., Tyagi, R.D., and Selvam, A. (Eds.), *Sustainable Solid Waste Management*, ASCE publication, USA, Chapter 9, pp. 233-273, ISBN 978-0-7844-1410-1 (print); ISBN 978-0-7844-7930-8 (PDF).
4. Joseph, K., Selvam, A., and Wong, J.W.C. 2016. Healthcare Waste Management. In: Wong, J.W.C., Surampalli R.Y., Zhang, T.C., Tyagi, R.D., and Selvam, A. (Eds.), *Sustainable Solid Waste Management*, ASCE publication, USA, Chapter 15, pp. 481-513, ISBN 978-0-7844-1410-1 (print); ISBN 978-0-7844-7930-8 (PDF).
5. Wong, J.W.C., Wang, X.Y., Selvam, A. 2017. Improving compost quality through controlling nitrogen loss during composting. In: *Current Developments in Biotechnology and Bioengineering, Book 5: Solid Waste Management*, (Eds.) Wong, J.W.C., Tyagi, R.D., and Pandey, A. Elsevier Publications, Chapter 4, pp. 59-82, ISBN: 9780444636645.
6. Xu, S.Y., Luo, W., Selvam, A., Wong, J.W.C. 2017. Strategies to increase energy recovery from phase-separated anaerobic digestion of organic solid wastes. In: *Current Developments in Biotechnology and Bioengineering, Book 5: Solid Waste Management*, (Eds.) Wong, J.W.C., Tyagi, R.D., and Pandey, A. Elsevier Publications, Chapter 6, pp. 113-134, ISBN: 9780444636645.
7. Selvam, A., and Wong, J.W.C. 2017. Degradation of antibiotics in livestock manures during composting. In: *Current Developments in Biotechnology and Bioengineering, Book 5: Solid Waste Management*, (Eds.) Wong, J.W.C., Tyagi, R.D., and Pandey, A. Elsevier Publications, Chapter 12, pp. 267-292, ISBN: 9780444636645.
8. Murugesan, K., Selvam, A., and Wong, J.W.C. 2017. Biotechnological approaches in sludge dewatering. In: *Current Developments in Biotechnology and Bioengineering, Book 5:*

- Solid Waste Management, (Eds.) Wong, J.W.C., Tyagi, R.D., and Pandey, A. Elsevier Publications, Chapter 16, pp. 368-390, ISBN: 9780444636645.
9. Selvam, A., Naghdi, M., Markande, A., Taheran, M., Udayakumar, M., Murugesan, K., Wong, J.W.C., Brar, S.K., Hegde, K., and Zhang, T.C. 2018. Biohazardous and Biomedical Waste. In: Handbook of Environmental Engineering (Ed. Surampalli, R.Y., Brar, S.K., Zhang, T.C., Hegde, K., Pulicharla, R., and Verma, M.), McGraw-Hill Global Education Holdings, LLC, Chapter 7.4, Pages 361-375. ISBN: 9781259860225
 10. Gopikumar, S. Tharanyalakshmi, R., Yukesh Kannah, R., Selvam, A., Rajesh Banu, J. 2020 [Apr] Aerobic biodegradation of food wastes. In: Food Waste to Valuable Resources, Ed. Rajesh Banu, J., Kumar, G., Gunasekaran, M., Kavitha, S. Academic Press, London, UK, Chapter 11, pp. 235-250. [DOI: <https://doi.org/10.1016/B978-0-12-818353-3.00011-0>, ISBN: 978-0-12-818353-3].
 11. Selvam, A., Ilamathi, K.P., Udayakumar, M., Murugesan, K., Rajesh Banu, J., Yukesh, K., and Wong, J.W.C. 2021. Food Waste Properties. In: Sustainable Food Waste Management: Resource Recovery and Treatment, Eds. Wong, J., Kaur, G., Taherzadeh, M., Pandey, A. and Lasaridi, K., Elsevier Publications, Amsterdam, Netherlands, Chapter 2, pp.11-41. [DOI: <https://doi.org/10.1016/B978-0-12-819148-4.00002-6>, ISBN: 978-0-12-819148-4].
 12. Selvam, A., Wang, X. and Wong, J.W.C. 2021. Food Waste Composting: Challenges and Possible Approaches. In: Sustainable Food Waste Management: Resource Recovery and Treatment, Eds. Wong, J., Kaur, G., Taherzadeh, M., Pandey, A. and Lasaridi, K., Elsevier Publications, Amsterdam, Netherlands, Chapter 5, pp.137-162. [DOI: <https://doi.org/10.1016/B978-0-12-819148-4.00005-1>, ISBN: 978-0-12-819148-4].
 13. Murugesan, K., Kaarmukhilnilavan, R.S., Kowsalya, P., Selvam, A. and Wong, J.W.C. 2021. Conversion of Food Waste to Animal Feeds. In: Sustainable Food Waste Management: Resource Recovery and Treatment, Eds. Wong, J., Kaur, G., Taherzadeh, M., Pandey, A. and Lasaridi, K., Elsevier Publications, Amsterdam, Netherlands, Chapter 11, pp.305-324. [DOI: <https://doi.org/10.1016/B978-0-12-819148-4.00011-7>, ISBN: 978-0-12-819148-4].

JOURNAL ARTICLES (JCR 2022 impact factor provided in the parenthesis)

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 50. Selvam, A., Wong, J.W.C. 2016 [May]. Decentralized Composting: A sustainable Option for Food Waste Management in Urban Settings. EurAsia Waste Management Symposium, 2-4 May 2016, YTU 2010 Congress Center, İstanbul/Türkiye, 8 pages.
 51. Chakraborty D., Karthikeyan, O.P., Selvam, A., Wong, J.W.C. 2016. Co-digestion of food waste with chemically enhanced primary treated sludge for biogas and volatile organic acid

- production. EUBCE 2016 – 24th European Biomass Conference and Exhibition, 6-9 June 2016, The Netherlands.
52. Wong, J.W.C., Zhou, Y., Selvam, A., 2016 [Aug]. Biopesticide compost: Beyond nutrient supplementation. AORA National Conference 3-5 August 2016, Sydney, Australia.
 53. Selvam, A., Karthikeyan, O.P., Yan, B.H., Wong, J.W.C. 2016 [Oct]. Influence of headspace pressure on acidogenic microbial communities of an acidogenic reactor treating food waste. 1st International Conference on Bioresource Technology for Bioenergy, Bioproducts & Environmental Sustainability, 23-26 October, Sitges, Spain.
 54. Wong, J.W.C., Selvam, A. 2016 [Nov]. Waste as a Resource: Hong Kong Experience. 6th International Conference on Solid Waste Management and Exhibition on Municipal Services, Clean Technology and Machineries. 24–26 November 2016, Jadavpur University, Kolkata, India.
 55. Debkumar, C., A. Selvam, O. Parthiba Karthikeyan, J.W.C.Wong. 2016 [Dec]. Effect of continuous maintaining of headspace pressure using biogas (CH₄:CO₂ 60:40) on the LBR metabolite speciation. Proceedings of the Asia-Pacific Conference on Biotechnology for Waste Conversion 2016 (BioWC2016), J.W.C. Wong, R.D. Tyagi, and A. Selvam (Editors), Hong Kong Baptist University, Hong Kong SAR, P.R. China, ISBN 978-988-19988-3-5, pp.133-137
 56. Zhou, M. M., J. Du, J. Zhou, B. H. Yan, J.W.C. Wong, Y. Zhang. 2016 [Dec]. Enhanced acetate production by reducing the inhibition of hydrogen partial pressure in the anaerobic digestion system. Proceedings of the Asia-Pacific Conference on Biotechnology for Waste Conversion 2016 (BioWC2016), J.W.C. Wong, R.D. Tyagi, and A. Selvam (Editors), Hong Kong Baptist University, Hong Kong SAR, P.R. China, ISBN 978-988-19988-3-5, pp.160-164
 57. Debkumar, C., A. Selvam, J.W.C. Wong. 2016 [Dec]. Two-phase anaerobic digestion of food waste: effect of semi-continuous feeding on acidogen and methane production. Proceedings of the Asia-Pacific Conference on Biotechnology for Waste Conversion 2016 (BioWC2016), J.W.C. Wong, R.D. Tyagi, and A. Selvam (Editors), Hong Kong Baptist University, Hong Kong SAR, P.R. China, ISBN 978-988-19988-3-5, pp.170-173
 58. Debkumar, C., O. Parthiba Karthikeyan, A. Selvam, J.W.C.Wong. 2016 [Dec]. Effects of total solid content in energy recovery during co-digestion of food waste and chemically enhanced primary treated sludge in a continuous stirred tank reactor. Proceedings of the Asia-Pacific Conference on Biotechnology for Waste Conversion 2016 (BioWC2016), J.W.C. Wong, R.D. Tyagi, and A. Selvam (Editors), Hong Kong Baptist University, Hong Kong SAR, P.R. China, ISBN 978-988-19988-3-5, pp.174-178

59. Reddy, C.N., R. Karthikeyan, K.Y. Cheng, D. John Ravindar, A. Selvam, J.W.C Wong. 2016 [Dec]. Upgradation of biogas in a biorefinery approach: integrative approach for simultaneous waste remediation and bioenergy generation. Proceedings of the Asia-Pacific Conference on Biotechnology for Waste Conversion 2016 (BioWC2016), J.W.C. Wong, R.D. Tyagi, and A. Selvam (Editors), Hong Kong Baptist University, Hong Kong SAR, P.R. China, ISBN 978-988-19988-3-5, pp.254-257
60. Selvam, A., Y. Wu, J.W.C. Wong. 2016 [Dec]. Pilot scale rotary drum in-vessel composting of food waste: effect of lime on composting performance. Proceedings of the Asia-Pacific Conference on Biotechnology for Waste Conversion 2016 (BioWC2016), J.W.C. Wong, R.D. Tyagi, and A. Selvam (Editors), Hong Kong Baptist University, Hong Kong SAR, P.R. China, ISBN 978-988-19988-3-5, pp.280-286
61. Zhou, Y., A. Selvam, J.W.C. Wong. 2016 [Dec]. Identification and changes of bioactive components during co-composting of food waste and Chinese medicinal herbal residues using UPLC-QTOF-MS. Proceedings of the Asia-Pacific Conference on Biotechnology for Waste Conversion 2016 (BioWC2016), J.W.C. Wong, R.D. Tyagi, and A. Selvam (Editors), Hong Kong Baptist University, Hong Kong SAR, P.R. China, ISBN 978-988-19988-3-5, pp.326-329
62. Zhou, Y., A. Selvam, J.W.C. Wong. 2016 [Dec]. Growth of plants in acidic soil amended with chinese medicinal herbal residues-food waste co-compost. Proceedings of the Asia-Pacific Conference on Biotechnology for Waste Conversion 2016 (BioWC2016), J.W.C. Wong, R.D. Tyagi, and A. Selvam (Editors), Hong Kong Baptist University, Hong Kong SAR, P.R. China, ISBN 978-988-19988-3-5, pp.362-365
63. Ravindran, B., J.W.C. Wong, A. Selvam, I.N.B. L. Reddy, G. Sekaran. 2016 [Dec]. Ultrastructural effects of fermented tannery waste on tomato plants leaves, stems and roots. Proceedings of the Asia-Pacific Conference on Biotechnology for Waste Conversion 2016 (BioWC2016), J.W.C. Wong, R.D. Tyagi, and A. Selvam (Editors), Hong Kong Baptist University, Hong Kong SAR, P.R. China, ISBN 978-988-19988-3-5, pp.416-419
64. Kaarmukhilnilavan R.S., Selvam, A., Murugesan, K. 2017 [Dec]. Antibiotics usage and social issues: A review. In: Proceedings of the XLI Indian Social Science Congress, 18-22 December 2017, Periyar University, Tamil Nadu. Published by Indian Academy of Social Sciences
65. Selvam, A., Udayakumar, M., and Murugesan, K. 2017[Dec]. Putrescible waste management. In: Proceedings of the XLI Indian Social Science Congress, 18-22 December 2017, Periyar University, Tamil Nadu. Published by Indian Academy of Social Sciences

66. Wong, J.W.C., Zhou, Y., Manu, M.K., Selvam, A. 2020. Biopesticide compost from food waste and Chinese medicinal herbal residues. In: Proceedings of Organic World Congress 2020, 21-27 September 2020, Rennes, France
67. Srinivasan, S., Karmukhilnilavan, R.S., Selvam, A., Wong, J.W.C., Murugesan, K. 2023 [June]. Conversion of Waste Face Mask into Carbonized Functional Materials for Environmental Applications. Proceedings of the International Conference on Solid Waste 2023: Waste Management in Circular Economy and Climate Resilience (ICSWHK2023), Hong Kong, 31 May – 3 June 2023, pp. 95-98; ISBN: 978-988-77879-7-6.
68. Umapathi, A., Murugesan, K., Wong, J.W.C, Selvam, A. 2023 [June]. Conversion of Food Waste into Lipid by Oleaginous Fungi. Proceedings of the International Conference on Solid Waste 2023: Waste Management in Circular Economy and Climate Resilience (ICSWHK2023), Hong Kong, 31 May – 3 June 2023, pp. 211-214, ISBN: 978-988-77879-7-6.
69. Arun-Kumar, M., Ilamathi, K.P., Wong, J.W.C, Selvam, A. 2023 [June]. Effect of Mature Compost as Additive During Municipal Solid Waste Composting. Proceedings of the International Conference on Solid Waste 2023: Waste Management in Circular Economy and Climate Resilience (ICSWHK2023), Hong Kong, 31 May – 3 June 2023, pp. 245-251, ISBN: 978-988-77879-7-6.
70. Anishla, T., Wong, J.W.C, Selvam, A. 2023 [June]. Co-composting of Food Waste with Organic Materials: Impact of C/N Ratio. Proceedings of the International Conference on Solid Waste 2023: Waste Management in Circular Economy and Climate Resilience (ICSWHK2023), Hong Kong, 31 May – 3 June 2023, pp. 276-280, ISBN: 978-988-77879-7-6.
71. Gomathi, A., Maadeswaran, P., Kumar, K.A., Murugasan, K., Selvam, A. 2023 [June]. Synthesis of Ternary CeO₂/Fe₂O₃/R-GO Nanocomposite Loaded Biochar for Photocatalytic Degradation of Organic Pollutants. Proceedings of the International Conference on Solid Waste 2023: Waste Management in Circular Economy and Climate Resilience (ICSWHK2023), Hong Kong, 31 May – 3 June 2023, pp. 519-522, ISBN: 978-988-77879-7-6.

WORKSHOPS/CONFERENCES ATTENDED

1. Participated in the 14th State Level Science Exhibition, St. Joseph's College Higher Secondary School, Trichirappalli, 28 Nov – 2 Dec 1987.
2. Attended the IX International Conference on Plant Pathogenic Bacteria, CAS in Botany, University of Madras, Madras, Tamil Nadu, India, 26-29 Aug 1996.
3. Attended the national symposium on Eco-friendly Approaches for Plant Disease Management, Jointly organized by Indian Phytopathological Society (IPS 53rd annual

- meeting) and Indian Society of Plant Pathologists (INSOPP, 12 annual meeting), CAS in Botany, University of Madras, Chennai, Tamil Nadu, India, 22-24 Jan 2001.
4. Attended 'Pre-Conference Workshop on Biological treatments - composting and anaerobic digestion', during International Conference on Solid Waste 2011 - Moving Towards Sustainable Resource Management (ICSWHK2011), Hong Kong Baptist University, Hong Kong SAR, P.R. China, 2-6 May 2011.
 5. International Conference on Solid Waste 2011 - Moving Towards Sustainable Resource Management (ICSWHK2011), Hong Kong Baptist University, Hong Kong SAR, P.R. China, 2-6 May 2011.
 6. Environmental Technologies Workshop – Wastewater treatment, Technical seminar organized by 'The Hong Kong Institution of Engineers' in association with 'Nano and Advanced Materials Institute Limited' and 'The Hong Kong University of Science and Technology', 11 June 2011, HKUST, Hong Kong.
 7. 2nd International Conference on Solid Waste Management and Exhibition on Municipal Services, Urban Development, Public Works & Clean Technology (IConSWM 2011), 9-11 November 2011, Jadavpur University, Kolkata, India.
 8. Training on "Performance and support policy of biogas energy generating biogas plants for biogas plant designers and decision makers". Organized by SINO-German Project for Optimization of Biomass Utilization, GIZ, Nanjing, May 16-18, 2012.
 9. ISOACC 2012: Interdisciplinary Symposium on Ocean Acidification and Climate Change. School of Biological Sciences, University of Hong Kong, 12-14 December 2012.
 10. Attended 'Pre-Conference Workshop on Waste Prevention', during International Conference on Solid Waste 2013 - Innovation in Technology and Management (ICSWHK2013), Hong Kong Baptist University, Hong Kong SAR, P.R. China, 5-9 May 2013.
 11. International Conference on Solid Waste 2013 - Innovation in Technology and Management (ICSWHK2013), Hong Kong Baptist University, Hong Kong SAR, P.R. China, 5-9 May 2013.
 12. 1st International Conference on Technologies for Sustainable Waste Management in Developing Countries -ICTW 2013, 23-24 August 2013, Vignan University, Andhra Pradesh, India.
 13. Pre-Conference Workshop on "Solid waste and contaminated sites: Risk-informed approaches and regulations for reclamation, treatment, use or disposal", during 2nd Symposium of Asian Regional Branch of International Waste Working Group (iwwg-ARB), 12 April 2015, Tongji University, China.
 14. 2nd Symposium of Asian Regional Branch of International Waste Working Group (iwwg-ARB), 12-15 April 2015, Tongji University, China.

15. International Conference on Solid Waste 2015 – Knowledge Transfer for Sustainable Resource Management (ICSWHK2015), Hong Kong Baptist University, Hong Kong SAR, P.R. China, 19-23 May 2015.
16. Pre-Conference Workshop on “Food Waste Management – Prevention and Treatment Technology”, during International Conference on Solid Waste 2015 – Knowledge Transfer for Sustainable Resource Management (ICSWHK2015), The Harbourview Hotel, Wanchai, Hong Kong, 19 May 2015.
17. Attended one-day "Orientation Programme for Newly Recruited Teachers of Manonmaniam Sundaranar University. Organized by Centre for Curriculum and Faculty Development, Manonmaniam Sundaranar University, Tirunelveli, Tamil Nadu, India, 2 Dec 2016. [University Level].
18. Workshop on Advances in Microscopy, Histochemistry and Plant Microtechniques, Department of Plant Science, MSU, Tirunelveli, 19-21 Dec 2016 [National].
19. 3rd International Conference on Bioenergy, Environment and Sustainable Technologies, Arunai Engineering College, Tiruvannamalai, Tamil Nadu, India, 25 Jan 2017.
20. Attended a workshop on "ICT Content Development and MOOCs". Organized by Department of Communication, Manonmaniam Sundaranar University, Tirunelveli, Tamil Nadu, India, 3 Feb 2017 [State level].
21. Workshop on Natural Dyes and their Applications, Department of Plant Science, MSU, Tirunelveli, 13 Feb 2017 [State Level].
22. Attended one-day "Orientation Programme for Government, Aided and Autonomous College Teachers of Manonmaniam Sundaranar University". Organized by Centre for Curriculum and Faculty Development & Department of Education, Manonmaniam Sundaranar University, Tirunelveli, Tamil Nadu, India, 15 Sep 2017. [University Level].
23. Attended the National Seminar on Probiotics and Nutraceuticals for Human and Animal Health (PANHAH, 2017), Organized by Department of Animal Science, Manonmaniam Sundaranar University, Tirunelveli, Tamil Nadu, India, 18 Sep 2017.
24. Attended the National Level Lecture Workshop on ‘Recent Advances in Biological Sciences (RABS-17)’, 26-27 September 2017, G. Venkataswamy Naidu College, Kovilpatti, Tamil Nadu, India.
25. Attended ‘A One day Research Orientation Programme for Research Supervisors of Manonmaniam Sundaranar University, 1 November 2017, MS University, Tirunelveli, Tamil Nadu, India.
26. Attended the 41st Indian Social Science Congress, Periyar University, Salem, Tamil Nadu, India, 18-22 Dec 2017.
27. Attended the ‘International Workshop on Recent Trends in Food biotechnology and exploration of the opportunities to feed the world’, Manonmaniam Sundaranar University, 10 January 2018.

28. Attended the Silver Jubilee Commemorative National Conference on Environmental Science and Technology, 18-19 January 2018, Sri Paramakalyani Centre of Excellence in Environmental Sciences, Alwarkurichi-627 412, Manonmaniam Sundaranar University, Tamil Nadu, India.
29. Attended the National Colloquium on Technology Enabled Learning, Organized by Manonmaniam Sundaranar University, Tirunelveli and IIT Bombay. 19 April 2018.
30. Attended 4th International Day of Yoga -2018 & Asanas and Practices” held at Department of Physical Education and Sports, Manonmaniam Sundaranar University, Tirunelveli, 21 June 2018.
31. Attended the Workshop on ‘Science Communication Skills’, Department of Plant Science, Manonmaniam Sundaranar University, Tirunelveli, 20 July 2018.
32. Attended One-day Administrative Training on Strategies for Successful e-procurement, IQAC, Manonmaniam Sundaranar University, Tirunelveli, 21 Aug 2018.
33. Attended the ‘CSIR-IICT Platinum Jubilee International Conference on Biotechnological Research and Innovation for Sustainable Development (BioSD)’, Hyderabad, India, 22-25 Nov 2018.
34. Attended Science Academies’ “Refresher Course on Foundations in Plant and Animal Biology”, CAS in Botany, University of Madras, Chennai, 1-16 February 2019.
35. Attended the National Seminar on Environmental Protection and Sustainability, Sadakathullah Appa College, Tirunelveli, 19 Aug 2019
36. Attended International Workshop on Energy Technologies, Manonmaniam Sundaranar University, Tirunelveli, 24-26 Sep 2019.
37. Attended ‘National Conference on Recent Advances in Biodiversity, Biology and Biotechnology of Fungi’ and 46th Annual Meeting of the Mycological Society of India (MSI), Pondicherry University, Pondicherry, 7-9 November 2019.
38. Participated in ‘National Workshop on Societal Responsibility for Rural Development: Role of Science Teachers’, Manonmaniam Sundaranar University, Tirunelveli-627012, India, 6-7 Feb 2020.
39. Participated the International Conference on 'Frontiers in Sustainable Agriculture and Biological Sciences (FSABS-2020)', Department of Botany, Periyar University, Salem-636 011, Tamil Nadu, India, 16-17 March 2020.
40. Participated in ‘A Three-day Online Workshop on Moodle for Digital Learning, Manonmaniam Sundaranar University, Tirunelveli-627012, India, 13-15 May 2020.
41. Attended the ‘One Week FDP on Online Medium’ Manonmaniam Sundaranar University, Tirunelveli-627012, India, 9-15 July 2020.
42. Attended Five-days online FDP programme on “Measures to Mitigate Climate Change”, Department of Life Sciences, Central University of Tamil Nadu, Tiruvarur, Tamil Nadu, 12-16 Oct 2020.

43. Attended the Online National Conference on “Innovations Bio and Chemical Engineering for Sustainable Life”, Bio and Chemical Engineering, Kalasalingam Academy of Research and Education, 20-21 May 2021.
44. National Conference on Recent Trends In Biodiversity and Environmental Science, Department of Environmental Science, Indira Gandhi National Tribal University, Amarkantak, (M.P.) (Online), 28 – 29 March 2022.
45. National Conference on Fungal Diversity for Sustainable Future: Potentials, Progress, Conservation and IPR issues. 49th Annual Meeting of Mycological Society of India and Department of Botany, Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G), 28-30 Nov 2022.
46. National Conference on ‘Western Ghats and Biodiversity Conservation’, Thiruvalluvar College, Papanasam, 10-11 Aug 2022.
47. National Conference on Phytomedicine: Current Challenges and Future perspectives (NCPM 2023), Department of Botany, Bharathiar University, 6 Jan 2023.
48. International Conference on Future Perspectives of Bioresources and Nanosciences (FPBN-2023), Periyar University, Salem, 16-17 Feb 2023
49. State level seminar on ‘Emerging Trends in Biotechnology towards Environmental Sustainability (ETBTS 2023), Pope’s College, Sawyerpuram, 24 Feb 2023.
50. International Conference on Solid Waste 2023: Waste Management in Circular Economy and Climate Resilience, 31 May – 03 June 2023, Hong Kong..
51. Attended the ‘G20 Educational Seminar & Exhibition’, Manonmaniam Sundaranar University, Tirunelveli, 9 Nov 2023.
52. Attended & Presented Keynote address in International Seminar on Recent Trends in Biology, Rani Anna Government College for Women, Tirunelveli, 4 Apr 2024.

ADMINISTRATIVE EXPERIENCES

1. Member, Working committee, ICSWHK2011: International Conference on Solid Waste: Moving Towards a Sustainable Resource Management, Sino-Forest Applied Research Centre for Pearl River Delta Environment, Hong Kong Baptist University, Hong Kong SAR, P.R. China, 2-6 May 2011.
2. Member, International Scientific committee, 2nd International Conference on Solid Waste Management and Exhibition on Municipal Services, Urban Development, Public Works & Clean technology, November 9 - 11, 2011, Jadavpur University, Kolkata, India
3. Member, International Scientific committee, 3rd International Conference on Solid Waste Management and Exhibition, 30 July – 1 Aug 2012, Mysore, India
4. Member, Working committee, ICSWHK2013: International Conference on Solid Waste: Innovation in Technology & Management, Sino-Forest Applied Research Centre for Pearl River Delta Environment, Hong Kong Baptist University, May 5-9, 2013, Hong Kong SAR, P.R. China.

5. Member, International Scientific committee, 4th International Conference on Solid Waste Management and Exhibition on Municipal Services, Clean technology: Towards effective sustainable waste utilization and management (IconSWM.2014) 28-30 January 2014, Acharya NGR Agriculture University, Hyderabad, India
6. Member, International Scientific Committee, 5th International Conference on Solid Waste Management and Exhibition on Municipal & Industrial Services, Clean technology, Machineries (IconSWM 2015), November 24 - 27, 2015 at National Science Seminar Complex, Indian Institute of Science, Bengaluru, India.
7. Member, Working committee, ICSWHK2015: International Conference on Solid Waste 2015: Knowledge Transfer for Sustainable Resource Management, Sino-Forest Applied Research Centre for Pearl River Delta Environment, Hong Kong Baptist University, May 19-21, 2015, Hong Kong SAR, P.R. China.
8. Research Fellow, Sino-Forest Applied Research Centre for Pearl River Delta Environment (ARCPE), (1 January 2016 to 31 December 2017)
9. Member, International Scientific Committee, 6th International Conference on Solid Waste Management and Exhibition on Municipal & Industrial Services, Clean technology, Machineries (IconSWM 2016), November 23 - 26, 2016, Jadavpur University, Kolkata, India.
10. Member, organizing committee: Workshop on Advances in Microscopy, Histochemistry and Plant Microtechniques, Department of Plant Science, MSU, Tirunelveli, 19-21 Dec 2016.
11. Member, organizing committee: Workshop on Natural Dyes and their Applications, Department of Plant Science, MSU, Tirunelveli, 13 Feb 2017.
12. University Representative, Pioneer Kumarasamy College of Arts and Science, Nagercoil (13.03.2017 – 11.10.2018).
13. Convener/Member, Affiliation Inspection Commission Manonmaniam Sundaranar University, Tirunelveli, India (2017 –current)
14. Observer / Flying squad member to inspect DD & CE Examinations (2017-2023)
15. Internal Academic Auditor, Manonmaniam Sundaranar University, Tirunelveli, India (2017-current)
16. Convener, Inspection Committee on Recognition of Renewal of Research Centres , Manonmaniam Sundaranar University, (2017-current)
17. Subject Expert, Selection of Project Research personal, Department of Environmental Studies, Periyar University, Salem, 2018.
18. Member, Purchase committee for Administrative sections, Manonmaniam Sundaranar University, Tirunelveli. (2017-current)
19. Member, Green Initiatives committee, NAAC preparation for University, 9 May 2018.

20. Member, Organizing Committee, One-day workshop on Science Communication Skills, Department of Plant Science, Manonmaniam Sundaranar University, Tirunelveli. 20 July 2018.
21. University Representative, C.S.I Jeyaraj Annapackiam College, Nallur, Tirunelveli (05.02.2018 – 04.02.2020).
22. Departmental Liaison Officer, Internal Quality Assurance Cell, Manonmaniam Sundaranar University, Tirunelveli, India (From 22.4.2019).
23. Member, Purchase committee to University Centres - 2019-20, Manonmaniam Sundaranar University, Tirunelveli (From 2019).
24. Member, National Advisory committee, International Conference on “Frontiers in Sustainable Agriculture and Biological Sciences” (FSABS – 2020), 16-17 March 2020, Periyar University, Salem, Tamil Nadu, India
25. Convenor, Inspection commission to VSD centres, Manonmaniam Sundaranar University, Tirunelveli (From 2020)
26. Subject Expert, Selection committee, Appointment of Assistant Professors, TDMNS college, T. Kallikulam, Tirunelveli Dt, August 2020.
27. Member, Academic Council, Sadakathullah Appa College, Palayamkottai, Tirunelveli, from 28.09.2020 to 27.09.2022.
28. Coordinator, ARIIA (Atal Ranking for Institutions on Innovation Achievements) committee, Manonmaniam Sundaranar University, Tirunelveli, 28 Sep 2020.
29. Subject Expert Member, Biological ethical committee, Manonmaniam Sundaranar University, Tirunelveli, 19 Oct 2020.
30. Convener, Institution Innovation Council, Manonmaniam Sundaranar University, Tirunelveli, 11 Dec 2020.
31. University Representative, PET Arts & Science College, Radhapuram Taluk, Valliyur, (05.02.2021 – 04.02.2023).
- 61A. External Expert, Selection of Project Fellow for TANSCHÉ project, Department of Biotechnology, Mother Teresa University, Kodaikanal, 30 July 2021.
- 61B. Member, Inspection commission for sanctioning additional seats in PG Microbiology, Kamaraj College, Thoothukudi, 08.11.2021.
- 61C. Member, Inspection commission for sanctioning additional seats, Manonmaniam Sundaranar University, Tirunelveli (From 2021).
62. Member/Subject Expert (Vice Chancellor’s Nominee), Selection committee, Appointment of Assistant Professors, K.R. College of Arts and Science, Kovilpatti, Thoothukudi Dt, 30 Oct 2021.
63. Convener, Committee on ‘Compiling and Distribution of Documents’ for 28th & 29th Annual Convocation, Manonmaniam Sundaranar University, Tirunelveli, 12 Nov 2021.
64. Subject Expert (Vice Chancellor’s Nominee), Selection committee, Appointment of Assistant Professors, S.T. Hindu college, Nagercoil, Kanniyakumari Dt, 31 Jan 2022.

65. Nodal Officer, Atal Ranking of Institutions on Innovation Achievements (ARIIA) – 2022 committee, Manonmaniam Sundaranar University, 7 Feb 2022.
66. Member, Interview board for Ph.D admission in Plant Science/Botany/Plant biology and Plant Biotechnology, Manonmaniam Sundaranar University, 7-12 Feb 2022.
67. Member/Subject Expert (Vice Chancellor's Nominee), Selection committee, Appointment of Principal, Vyasa Arts & Science Women's College, Subramaniyapuram, Tirunelveli Dt, 15 Mar 2022.
68. Member, Committee to prescribe the eligibility criteria for the selection of staff for Central Instrumentation Facility, Manonmaniam Sundaranar University, 24 Mar 2022.
69. Member/Subject Expert (Vice Chancellor's Nominee), Selection committee, Appointment of Principal, Sri Paramakalyani College, Alwarkurichi, Tenkasi Dt, 26 May 2022.
70. Member, Syndicate of Manonmaniam Sundaranar University, 23.06.2022 – 22.06.2025.
71. Member, Committee to finalize the report of the Inspection commission regarding affiliation, Manonmaniam Sundaranar University (From 2022)
72. University Representative, G. Venkataswamy Naidu College, Kovilpatti, Thoothukudi Dt., (14.07.2022 – 04.02.2023).
73. Member, Finalizing the Teaching Workload committee for the appointment of Guest Faculties, Manonmaniam Sundaranar University, Tirunelveli
74. Member, Passing Board of the M.Phil and Ph.D qualifying entrance examinations of July 2022, Manonmaniam Sundaranar University, Tirunelveli, 20.7.2022.
75. Member, Conduct of Interview for Ph.D admission July 2022 Session, Manonmaniam Sundaranar University, Tirunelveli, India, 26 Aug 2022
76. Member, Discipline Committee of Examinations, April 2022 Examinations, Controller of Examination Office, Manonmaniam Sundaranar University, Tirunelveli, 27 Sept 2022.; 21 Oct 2022.
77. Member, Committee to fix the number of working days for the consolidated NMRs, Manonmaniam Sundaranar University, Tirunelveli, 21 Dec 2022.
78. Member, Committee of IPR Legal & Ethical matters, Research and Development Cell, Manonmaniam Sundaranar University, Tirunelveli, (From 21 Dec 2022).
79. Member, Research Board Advisory Committee, Manonmaniam Sundaranar University, Tirunelveli, 29 Dec 2022.
80. University Representative, Rose Mary College of Arts and Science, Muneerpallam, Tirunelveli from 5 Feb 2023 – 4 Feb 2025.
81. Member, Passing Board M.Phil/ Ph.D Qualifying Entrance Examinations of Jan 2023 session, Manonmaniam Sundaranar University, Tirunelveli, 09 Feb 2023
82. Vice Chancellors' nominee & Subject Expert, Principal selection, Holy Cross Home Science College, Thoothukudi, 10 Feb 2023

83. Member, Meeting of the Financial Bid opening for procurement of Sputtering Unit with Accessories, Department of Renewable Energy Science, Manonmaniam Sundaranar University, Tirunelveli, 29 Mar 2023.
84. Member, Meeting of Committee to grant Qualification approval of Assistant Professors in Affiliated Colleges, Manonmaniam Sundaranar University, Tirunelveli (2023-2025),
85. Director, Department of Vocational Education, Additional Charge, Manonmaniam Sundaranar University, Tirunelveli, From 04 Nov 2024
86. Member, National Institute of Ranking Framework (NIRF) - 2025 related process, Manonmaniam Sundaranar University, 07 Nov 2024.
87. Nodal Officer, Chief Minister Research Fellowship, Manonmaniam Sundaranar University, Tirunelveli, From 04 Nov 2024

BOARD OF STUDY (BOS)/SYLLABUS REVISION/EVALUATION ACTIVITIES

1. Member, Board of Studies, Department of Plant Sciences, Manonmaniam Sundaranar University, Tirunelveli, India (2017-2018).
2. Observer, UG Board of Studies meeting in Botany, Manonmaniam Sundaranar University, Tirunelveli, 13.10.2017.
3. Member, Board of Studies for M.Phil and Ph.D coursework papers, Manonmaniam Sundaranar University, (1-4.2018 – 31.3.2021).
4. Member, Board of Studies, Department of Plant Science, Manonmaniam Sundaranar University, Tirunelveli, India (01.08.2018-31.07.2021).
5. Member, Board of Studies in Botany, Sarah Tucker College, Tirunelveli, India (25.03.2019-24.03.2022).
6. Member, Board of Studies in Botany – PG, Manonmaniam Sundaranar University, Tirunelveli, India (01.01.2019-31.12.2021).
7. Chairperson, Board of Studies in Botany – UG, Manonmaniam Sundaranar University, Tirunelveli, India (01.01.2019-31.12.2021).
8. Member, Board to consider equivalence of various degrees, TANSCH (Tamil Nadu State Council for Higher Education), Chennai, 1 Oct 2019.
9. Member, Board of Study in Botany (UG & PG), Pondicherry University, Puducherry, 1.10.2020 – 30.09.2023.
10. Member, Board of Study in Botany (UG & PG), G. Venkataswamy Naidu College (Autonomous), Kovilpatti, 2.11.2020 – 01.11.2022.
11. Evaluator, M.Sc Botany syllabus (2020 – 2021 onwards), Bharathiar University, April 2021.
12. Member, Board of Studies in Botany for University Department, Manonmaniam Sundaranar University, Tirunelveli, India (06.08.2021-05.08.2024).
13. Member, Board of Studies in Botany for U.G. Botany, Kamaraj College (Autonomous), Thoothukudi (4 Nov 2024-3 Nov 2027).

ACADEMIC SERVICES

Thesis/Dissertation - Examiner

1. Overseas Examiner, Department of Biotechnology, Periyar University, India.
2. Overseas Examiner, Department of Biotechnology, Vinayaka Missions University, Salem, India [2014].
3. Overseas Examiner, Department of Zoology, Thiruvalluvar University, Vellore, India [2014].
4. Overseas Examiner, Department of Botany, Bharathidasan University, Tiruchirappalli, India [2014].
5. Observer / Subject Expert, Ph.D thesis Viva-Voce examinations, Manonmaniam Sundaranar University, Tirunelveli, India (2017-current)
6. External Examiner, PG Project & Viva Voce examinations, Periyar University, Salem, India, 2017.
7. External Examiner, Paper evaluation, Periyar University, Salem, May 2017.
8. External Examiner, PG Project and Viva-voce examination, Department of Environmental Science, Periyar University, Salem – 636 011, April 2018.
9. External Examiner, M.Phil. Project Viva-voce examination, Department of Environmental Science, Periyar University, Salem – 636 011, July 2018.
10. External Examiner, PG Project & Viva Voce examinations, Periyar University, Salem, India, 29 Apr 2019.
11. External Examiner, Ph.D. thesis evaluation, Bharathiar University, Coimbatore, 2020.
12. External Examiner, Ph.D. Viva-voce examination, Bharathidasan University, Tiruchirappalli, 2020.
13. External Examiner, Ph.D. Viva-voce examination, Bharathiar University, Coimbatore, 2021.
14. Question Paper Setter of All India CAT 2021, 2022 of CUSAT, Cochin University of Science and Technology
15. External Examiner, Practical examinations for Botany for Integrated MSc Environmental Science and Environmental Biotechnology for MSc Environmental Science Programmes, Periyar University, Salem, India, 2022.
16. Subject Expert, Committee to issue certificate of relevance to Ph.D degree, Manonmaniam Sundaranar University, Tirunelveli, 22 Jan 2024
17. Examiner, Viva-voce examination, Madurai Kamaraj University 2024.

Grant Reviewer

1. Grant reviewer, BeIPD-Marie Curie COFUND, FP7-people-COFUND programme 2013-2018 coordinated by the University of Liège (ULg), Belgium.

2. Grant Reviewer, Irish Research Council's Laureate Award (IRCLA) scheme, 2018, coordinated by Irish Research Council, An Chomhairle um Thaighde in Éirinn.
3. Grant reviewer, Irish Research Council's 2020 COALESCE- Irish research council, coordinated by Irish Research Council, An Chomhairle um Thaighde in Éirinn.

Ad-hoc reviewer for the following journals

1. Arabian Journal of Chemistry (Elsevier BV)
2. Bioresource Technology (Elsevier)
3. Chemosphere (Elsevier)
4. Clean – Soil, Air, Water (Wiley)
5. Environmental Science & Pollution Research (Springer)
6. Environmental Technology (Taylor & Francis)
7. Fuel (Elsevier)
8. Green Energy and Environmental Technology (InTech)
9. Industrial & Engineering Chemistry Research (ACS publications)
10. International Journal of Environmental Analytical Chemistry (Taylor & Francis)
11. International Journal of Hydrogen Energy (Elsevier)
12. Journal of Chemical Technology and Biotechnology (Wiley)
13. Journal of Environmental Engineering and Science (NRC Research Press)
14. Journal of Environmental Management (Elsevier)
15. Practice Periodical of Hazardous, Toxic, and Radioactive Waste Management (ASCE)
16. Scientific Reports (Nature Publishing Group)
17. The International Journal of Life Cycle Assessment, The (Springer)
18. Waste Management (Elsevier)
19. Waste Management & Research (SagePub)
20. Water Environment Research (Wiley)