CURRICULUM VITAE

DR. A. SELVAM

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Department of Plant Science
Manonmaniam Sundaranar University
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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

CITATION METRICS

i) Journals published - National / International	: 1/ 77
ii) Cumulative impact factor	: 319.26 (JCR)
iii) H-Index (Researcher ID)	: 18
iv) H-Index (Google scholar)	: 25
v) Citation	: 1143

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

Plant-Microbe interactions, Mycorrhizal biotechnology
Organic Waste treatment – Composting, Anaerobic digestion and Microbial fuel cells
Phytoremediation of heavy metal contaminated soil
Antibiotics and antibiotic resistant genes in environmental matrices

SPONSORED PROJECTS

1. Enhanced methane production and biogas upgrading during food waste anaerobic digestion [Co-investigator, Environment and Conservation Fund, Hong Kong].
2. Matagenomic-metatranscriptomic analysis of the acidogenic reactor in a two-phase anaerobic digestion process (Co-Investigator; RGC-GRF, Hong Kong].
3. High nutrient compost production [Deputy Project coordinator, Innovative Technology Commission, Hong Kong SAR].

EXPERIENCE IN RESEARCH/CONSULTANCY PROJECTS

Research Projects Involved

1. Monitoring antibiotic degradation and antibiotic resistant genes during composting - 10/2008-Present (GRF project completed, Hong Kong)
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, Hong Kong)
4. Anaerobic digestion of food wastes – 4/2008-Present (FRG, HKBU, GRF, Hong Kong)
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, Hong Kong)
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, India)
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).

OTHER ACADEMIC EXPERIENCE

1. 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.
2. 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.
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. 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 2013.
6. 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
7. Member, International Scientific committee, 3rd International Conference on Solid Waste Management and Exhibition, 30 July – 1 Aug, 2012, Mysore, India
8. Editorial Board member, Environmental Technology, Taylor & Francis Ltd (From April 2013).
9. 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.
10. 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. 28-30 January 2014, Acharya NGR Agriculture University, Hyderabad, India
11. Member, International Scientific committee, 5th International Conference on Solid Waste Management and Exhibition on Municipal Services, Clean technology, 28-30 January 2015, Pune, India
12. Session Chair, ICSWHK2015: International Conference on Solid Waste: Knowledge Transfer for Sustainable Resource Management, May 19-23, 2015, Hong Kong SAR, P.R. China.
13. Member, Working committee, ICSWHK2015: 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.
14. Organizing committee member, Workshop on Advances in Microscopy, Histochemistry and Plant Microtechniques, Department of Plant Science, MSU, Tirunelveli
15. Organizing committee member, Workshop on Natural Dyes and their Applications, Department of Plant Science, MSU, Tirunelveli

AWARDS

1. 1995-1999: Junior and Senior Research Fellowship, Ministry of Coals, Government of India sponsored project.
2. 2000: Research Fellowship, Jawaharlal Nehru memorial fund, New Delhi, India.
3. 2001 to 2003: Research fellowship in Centre for Environmental Studies, Anna University.

4. 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.
5. 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.
6. 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.
7. "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.
8. HKBU Faculty of Science – "Certificate of Appreciation" for outstanding achievement and devotion to education and commitment to excellence, December 2013.
9. 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.

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 'Putrescible Waste Management'. In: the 41st Indian Social Science Congress, Periyar University, Salem, Tamil Nadu, India, 18-22 Dec 2017.
14. 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

GUIDESHIP

Number of Ph.D.: Ongoing- 04
Number of M.Phil: Awarded: 01
Number of M.Sc., Dissertation: 04

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).

EDITING OF BOOKS/JOURNALS

1. 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.
2. 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.
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]..

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. 2016. 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. 2016. 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. 2016. 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. 2016. 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., Zhang, T.C., Brar, S.K., Hegde, K., Pulicharla, R., and Verma, M.), McGraw-Hill Global Education Holdings, LLC, Chapter 7.4.

SCI PAPERS (JCR 2017 impact factor provided in the parenthesis)

1. Selvam, A., and Mahadevan, A. 2002. Distribution of mycorrhizas in an abandoned fly ash pond and mined sites of Neyveli Lignite Corporation, Tamil Nadu, India. Basic and Applied Ecology 3 (3): 277-284. [DOI: 10.1078/1439-1791-00107; ISSN: 1439-1791; Urban & Fischer Verlag; IF: 2.292].
2. Selvam, A., and Mahadevan, A. 2002. Effect of ash pond soil and amendments on the growth and arbuscular mycorrhizal colonization of *Allium cepa* and germination of *Arachis hypogaea*, *Lycopersicon esculentum* and *Vigna mungo* seeds. Soil and Sediment contamination, 11(5): 637-686. [DOI: 10.1080/20025891107032; ISSN: 1532-0383; Taylor & Francis; IF: 1.207].
3. Esakku, S., Selvam, A., Joseph, K., and Palanivelu, K. 2005. Assessment of heavy metal species in decomposed municipal solid waste. Chemical Speciation and Bioavailability, 17(3): 95-102. [DOI: 10.3184/095422905782774883; ISSN: 0954-2299; Science Reviews 2000 Ltd; IF: 1.054].
4. Nagendran, R., Selvam, A., Joseph, K., and Chiemchaisri, C. 2006. Phytoremediation and rehabilitation of municipal solid waste landfills and dumpsites: A brief review. Waste Management 26 (12):1357–1369. [DOI: 10.1016/j.wasman.2006.05.003; ISSN: 0956-053X; Elsevier; IF: 4.030].
5. Wong, J.W.C., and Selvam, A. 2006. Speciation of heavy metals during co-composting of sewage sludge with lime. Chemosphere, 63(6): 980-986. [DOI: 10.1016/j.chemosphere.2005.08.045; ISSN: 0045-6535; Elsevier; IF: 4.208].
6. Tsai, S.H., Selvam, A., and Yang, S.S. 2007. Microbial community of topographical gradient profiles in Fushan forest soils of Taiwan. Ecological Research, 22 (5): 814-824. [DOI: 10.1007/s11284-006-0323-2; ISSN: 0912-3814; Springer Japan KK; IF: 1.283].
7. Wong, J.W.C., Li, K.L., Zhou, L.X., and Selvam, A. 2007. The sorption of Cd and Zn by different soils in the presence of dissolved organic matter from sludge. Geoderma 137 (3-4):

310-317. [DOI: 10.1016/j.geoderma.2006.08.026; ISSN: 0016-7061; Elsevier Science BV; IF: 4.036].

8. Chang, Y.C., Wang, J.Y., Selvam, A., Kao, S.C., Yang, S.S., and Shih, D.Y. 2008. Multiplex PCR detection of enterotoxin genes in *Aeromonas* spp. from suspect food samples in Northern Taiwan. Journal of Food Protection 71 (10): 2094-2099. [DOI: NA; ISSN: 0362-028X; International Association for Food Protection; IF: 1.417].
9. Selvam, A., and Wong, J.W.C. 2008. Phytochelatin synthesis and cadmium uptake of *brassica napus*. Environmental Technology, 29 (7): 765-773. [DOI: 10.1080/09593330801987079; ISSN: 0959-3330; Taylor & Francis; IF: 1.751].
10. Cho, S.T., Tsai, S.H., Ravindran, A., Selvam, A., and Yang, S.S. 2008. Seasonal variation of microbial populations and biomass in Tatachia grassland soils of Taiwan. Environmental Geochemistry and Health, 30 (3): 255-272 [DOI: 10.1007/s10653-007-9113-1; ISSN: 0269-4042 (Print), 1573-2983 (Online); Springer; IF: 2.616].
11. Wong, J.W.C., and Selvam, A. 2009. Growth and elemental accumulation of plants grown in acidic soil amended with coal fly ash-sewage sludge co-compost. Archives of Environmental Contamination and Toxicology, 57 (3): 515-523. [DOI: 10.1007/s00244-009-9308-9; ISSN: 0090-4341(Print), 1432-0703 (Online); Springer; IF: 2.467].
12. Selvam, A., and Wong, J.W.C. 2009. Cadmium uptake potential of *Brassica napus* cocropped with *Brassica parachinensis* and *Zea mays.* Journal of Hazardous Materials 167 (1-3): 170-178. [DOI: 10.1016/j.jhazmat.2008.12.103; ISSN: 0304-3894; Elsevier; IF: 6.065]
13. Wong, J.W.C., and Selvam, A. 2009. Reduction of indicator and pathogenic microorganisms in pig manure through lime and fly ash addition during alkaline stabilization. Journal of Hazardous Materials, 169 (1-3): 882-889. [DOI: 10.1016/j.jhazmat.2009.04.033; ISBN: 0304-3894; Elsevier; IF: 6.065]
14. Wong, J.W.C., Fung, S.O., and Selvam, A. 2009. Coal fly ash and lime addition enhances the rate and efficiency of decomposition of food waste during composting. Bioresource Technology 100 (13): 3324-3331. [DOI: 10.1016/j.biortech.2009.01.063; ISSN: 0960-8524; Elsevier; IF: 5.651].
15. Tsai, S.H., Selvam, A., Chang, Y.P., and Yang, S.S. 2009. Soil bacterial community composition across different topographic sites characterized by 16S rRNA gene clones in Fushan Forest of Taiwan. Botanical Studies 50 (1): 57-68. (ISSN: 1999-3110; Springer Open; IF: 1.452].
16. Selvam, A., Tsai, S.H., Liu, C.P., Chen, I.C., Chang, C.H., and Yang, S.S. 2010. Microbial communities and bacterial diversity of spruce, hemlock and grassland soils of Tatachia Forest, Taiwan. Journal of Environmental Science and Health Part B Pesticides Food Contaminants and Agricultural Wastes 45 (5): 386-398. [DOI: 10.1080/03601231003799960; ISSN: 0360-1234 (Print), 1532-4109 (Online); Taylor & Francis; IF: 1.362].

17. Selvam, A., Xu, S.Y., Gu, X.Y., and Wong, J.W.C. 2010. Food waste decomposition in leachbed reactor: Role of neutralizing solutions on the leachate quality. Bioresource Technology, 101(6): 1707–1714. [DOI: 10.1016/j.biortech.2009.10.008; ISSN: 0960-8524; Elsevier; IF: 5.651].
18. Zhao, Z.Y., Selvam, A., and Wong, J.W.C. 2011. Synergistic effect of thermophilic temperature and biosurfactant produced by *Acinetobacter calcoaceticus* BU03 on the biodegradation of phenanthrene in bioslurry system. Journal of Hazardous Materials, 190 (1-3): 345-350. [DOI: 10.1016/j.jhazmat.2011.03.042; ISSN: 0304-3894; Elsevier B.V.; IF: 6.065].
19. Zheng, G., Selvam, A., and Wong, J.W.C. 2011. Rapid Degradation of Lindane (γ-hexachlorocyclohexane) at Low Temperature by *Sphingobium* Strains. International Biodeterioration & Biodegradation, 65 (4): 612-618. [DOI: 10.1016/j.ibiod.2011.03.005; ISSN: 0964-8305; Elsevier; IF: 2.962]
20. Zhao, Z.Y., Selvam, A., and Wong, J.W.C. 2011. Effects of rhamnolipids on cell surface hydrophobicity of PAH degrading bacteria and the biodegradation of phenanthrene. Bioresource Technology 102 (5): 3999-4007. [DOI: 10.1016/j.biortech.2010.11.088; ISSN: 0960-8524; Elsevier; IF: 5.651].
21. Zhang, Y., Wong, J.W.C., Zhao, Z.Y., and Selvam, A. 2011. Microemulsion-enhanced remediation of organochlorine pesticides contaminated soils. Environmental Technology 32(16): 1915-1922. [DOI: 10.1080/09593330.2011.568009; ISSN: 0959-3330; Taylor & Francis; IF: 1.751]
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19. Wong, J.W.C., and Selvam, A. 2011. Food Waste Composting: A Sustainable Treatment Option. In: Proceedings of 2nd International Conference on Solid Waste Management and Exhibition on Municipal Services, Urban Development, Public Works & Clean Technology, Ghosh, S.K., Stegmann, R., Wong, J.W.C., Muffat, J.C., Agamuthu, P. and Wang, J.Y. (Eds), November 9 - 11 , 2011, Jadavpur University, Kolkata, India, pp.263-268.

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24. Chan, M.T., Selvam, A., and Wong, J.W.C. 2013. Food waste composting with the addition of zeolite and struvite salts to enhance the fertility of the final compost. In: Proceedings of the International Conference on Solid Waste 2013 - Innovation in Technology and Management, Wong, J.W.C., Tyagi, R.D., Nelles, M., and Selvam, A. (Eds.), Hong Kong Baptist University, Hong Kong SAR, P.R. China, ISBN 978-988-19988-5-9, pp. 533-536.

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J.W.C., Tyagi, R.D., Nelles, M., and Selvam, A. (Eds.), Hong Kong Baptist University, Hong Kong SAR, P.R. China, ISBN 978-988-19988-5-9, pp.412-417.

28. Xu, S.Y., Selvam, A., and Wong, J.W.C. 2013. Anaerobic digestion of food wastes: investigation of various water regimes in two-phase LBR-UASB system. In: Proceedings of the International Conference on Solid Waste 2013 - Innovation in Technology and Management, Wong, J.W.C., Tyagi, R.D., Nelles, M., and Selvam, A. (Eds.), Hong Kong Baptist University, Hong Kong SAR, P.R. China, ISBN 978-988-19988-5-9, pp.329-333.

29. Murugesan, K., Selvam, A., and Wong, J.W.C. 2013. Flocculation and dewaterability of chemically enhanced primary treatment sludge by filamentous fungi. In: Proceedings of the International Conference on Solid Waste 2013 - Innovation in Technology and Management, Wong, J.W.C., Tyagi, R.D., Nelles, M., and Selvam, A. (Eds.), Hong Kong Baptist University, Hong Kong SAR, P.R. China, ISBN 978-988-19988-5-9, pp.294-298.

30. Murugesan, K., Ravindran, B., Lam, D.M.Y., Munshi, B., Selvam, A., and Wong, J.W.C. 2013. Enhanced stabilization and dewaterability of sewage sludge by biogenic flocculant produced by *Acidithiobacillus ferrooxidans*. In: Proceedings of the International Conference on Solid Waste 2013 - Innovation in Technology and Management, Wong, J.W.C., Tyagi, R.D., Nelles, M., and Selvam, A. (Eds.), Hong Kong Baptist University, Hong Kong SAR, P.R. China, ISBN 978-988-19988-5-9, pp.284-288.

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32. Yan, B.H., Selvam, A., and Wong, J.W.C. 2013. Enhancing methane production during two-phase anaerobic digestion of food waste by reutilizing hydrogen and carbon dioxide produced in acidogenic leach bed reactor. Proceedings of the Sardinia 2013 Symposium, Sept 31-Oct 4, 2013, R Cossu, P He, P Kjeldsen, Y Matsufuji, D Reinhart, R Stegmann (eds), Article 324, ISBN 978-88-6265-028-1**.. (Won "Alberto Rozzi" Best Paper Award)**

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34. Awasthi, M.K., Selvam, A., Chan, M.T., Mok, J.L.S., and Wong, J.W.C. 2014. In-vessel composting of food waste employing indigenous microbial consortium. In: Proceedings of 4th International Conference on Solid Waste Management and Exhibition on Municipal Services, Urban Development & Clean Technology. 28-30 January 2014, Acharya NGR Agriculture University, Hyderabad, India, 6 pages.

35. Wong, J.W.C., and Selvam, A. 2014 (May) Bioenergy and organic fertilizer from food waste. Proceedings of the International Conference on Sustainable Organic Waste Management and

Treatment for Resource Recovery, 20 May 2014, New International Expo Centre, Shanghai, China. IE Expo Presented by IFAT, China, 7 pages

36. Murugesan, K., Selvam, A., and Wong, J.W.C. 2014. Improved dewatering of chemically enhanced primary treatment sludge by biogenic flocculants from *Acidithiobacillus ferrooxidans*. World Water Congress & Exhibition, International Water Association, 21-26 September 2014, Lisbon, Portugal, 4 pages

37. Ravindran, B., Wong, J.W.C., Selvam, A., Bux, F., and Sekaran, G. 2015 (May). Novel cysteine protease production from proteinaceous tannery solid waste using Selenomonas ruminantium through the response surface model under solid state fermentation. In: Proceedings of the International Conference on Solid Waste 2015 - Knowledge Transfer for Sustainable Resource Management, Wong, J.W.C., Tyagi, R.D., Nelles, M., and Selvam, A. (Eds.), Hong Kong SAR, P.R. China, ISBN 978-988-19988-9-7, pp.523-526.

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Proceedings of the International Conference on Solid Waste 2015 - Knowledge Transfer for Sustainable Resource Management, Wong, J.W.C., Tyagi, R.D., Nelles, M., and Selvam, A. (Eds.), Hong Kong SAR, P.R. China, ISBN 978-988-19988-9-7, pp.352-356.

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45. Zhou, Y., Selvam, A., and Wong, J.W.C. 2015 (May). Characterization of humic substances in co-composting of food waste and Chinese medicinal herbal residues using PYR-TMAH-GC-MS. In: Proceedings of the International Conference on Solid Waste 2015 - Knowledge Transfer for Sustainable Resource Management, Wong, J.W.C., Tyagi, R.D., Nelles, M., and Selvam, A. (Eds.), Hong Kong SAR, P.R. China, ISBN 978-988-19988-9-7, pp.432-435.
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47. Yan, B.H., Selvam, A., and Wong, J.W.C. 2015 (May). Innovative method for recovery of ch4 from two-phase anaerobic digestion of food waste through reutilization of acidogenic off-gas in methanogenic reactor. In: Proceedings of the International Conference on Solid Waste 2015 - Knowledge Transfer for Sustainable Resource Management, Wong, J.W.C., Tyagi, R.D., Nelles, M., and Selvam, A. (Eds.), Hong Kong SAR, P.R. China, ISBN 978-988-19988-9-7, pp.335-339.
48. Yan, B.H., Selvam, A., and Wong, J.W.C. 2015 (May). Regulation of acidogenic metabolic pathway during two-phase anaerobic digestion of food waste: effect of headspace H2 partial pressure and composition. In: Proceedings of the International Conference on Solid Waste 2015 - Knowledge Transfer for Sustainable Resource Management, Wong, J.W.C., Tyagi, R.D., Nelles, M., and Selvam, A. (Eds.), Hong Kong SAR, P.R. China, ISBN 978-988-19988-9-7, pp.264-268.

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51. Chakraborty D., Karthikeyen, 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 (CH_4:CO_2 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

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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

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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.

WORKSHOPS/CONFERENCES ATTENDED

1. 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 2013.
2. 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.
3. 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.
4. 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.
5. ISOACC 2012: Interdisciplinary Symposium on Ocean Acidification and Climate Change. School of Biological Sciences, University of Hong Kong, 12-14 December 2012.
6. 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.
7. 1st International Conference on Technologies for Sustainable Waste Management in Developing Countries -ICTW 2013, 23-24 August 2013, Vignan University, Andhra Pradesh, India.
8. 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.
9. 2nd Symposium of Asian Regional Branch of International Waste Working Group (iwwg-ARB), 12-15 April 2015, Tongji University, China.
10. 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

11. 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.
12. 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].
13. Workshop on Advances in Microscopy, Histochemistry and Plant Microtechniques, Department of Plant Science, MSU, Tirunelveli, 19-21 Dec 2016 [National].
14. 3rd International Conference on Bioenergy, Environment and Sustainable Technologies, Arunai Engineering College, Tiruvannamalai, Tamil Nadu, India, 25 Jan 2017.
15. 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].
16. Workshop on Natural Dyes and their Applications, Department of Plant Science, MSU, Tirunelveli, 13 Feb 2017 [State Level].
17. Invited lecture on “Scope of Bioenergy” and served as Resource person, Department of Botany, Sarah Tucker College, Tirunelveli, India, 10 Mar 2017.
18. 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].
19. 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.
20. 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.**]**
21. Attended ‘A One day Research Orientation Programme for Research Supervisors of Manonmaniam Sundaranar University, 1 November 2017, MS University, Tirunelveli, Tail Nadu, India.
22. Attended the 41st Indian Social Science Congress, Periyar University, Salem, Tamil Nadu, India, 18-22 Dec 2017.
23. 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.
24. 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.

RECOGNITION

1. 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.

ADMINISTRATIVE EXPERIENCES

1. Member, Management Team, Sino-Forest Applied Research Centre for Pearl River Delta Environment (ARCPE) (From 1 January 2016 - Till now).
2. Research Fellow, Sino-Forest Applied Research Centre for Pearl River Delta Environment (ARCPE), (1 January 2016 to 31 December 2017)
3. Member, organizing committee: Workshop on Advances in Microscopy, Histochemistry and Plant Microtechniques, Department of Plant Science, MSU, Tirunelveli, 19-21 Dec 2016.
4. Member, organizing committee: Workshop on Natural Dyes and their Applications, Department of Plant Science, MSU, Tirunelveli, 13 Feb 2017.
5. University Representative, Pioneer Kumarasamy College of Arts and Science, Nagercoil (13.03.2017 – 12.03.2019).
6. Observer / Flying squad member to inspect DD & CE Examinations, Tiruchengode, Namakkal and Salem centres, Manonmaniam Sundaranar University, May 2017.
7. Question paper setting panel for M.Sc. Botany courses, Manonmaniam Sundaranar University, Tirunelveli, India, April 2017.
8. Inspection commission member of DD & CE Tirunelveli Centre, Manonmaniam Sundaranar University, Tirunelveli, India, 13 May 2017.
9. Member, Board of Studies, Department of Plant Sciences, Manonmaniam Sundaranar University, Tirunelveli, India (2017- till now)
10. External Examiner, PG Project & Viva Voce examinations, Periyar University, Salem, India, 26 Apr 2017.
11. Member, Affiliation Inspection Commission to Holy Cross Science College, Thoothukudi, Manonmaniam Sundaranar University, Tirunelveli, India, 23 Mar 2017
12. Member, Affiliation Inspection Commission to T. Mariappan Nadar Muthukani Ammal College of Arts & Science, Kulathur, Thoothukudi, Manonmaniam Sundaranar University, Tirunelveli, India, 3 Apr 2017
13. Member, Affiliation Inspection Commission to St. John's College, Palayamkottai, Manonmaniam Sundaranar University, Tirunelveli, India, 23 Mar 2017
14. Internal Academic Auditor, Department of Physical Education & Sports, Manonmaniam Sundaranar University, Tirunelveli, India, 6 July 2017
15. Convener, Inspection Committee on Recognition of Renewal of Research Centre - Department of Botany, Scott Christian College (Autonomous), Nagercoil, 17 July 2017.

16. Doctoral Committee Member, Mr. R. Shankar, Department of Environmental Studies, Periyar University, Salem, Tamil Nadu, India.

Thesis/Dissertation - Examiner

1. Overseas Examiner, Department of Biotechnology, Periyar University, India.
2. Overseas Examiner, Department of Biotechnology, Vinayaka Missions University, Salem, India, September 2014.
3. Overseas Examiner, Department of Zoology, Thiruvalluvar University, Vellore, India, November 2014.
4. Overseas Examiner, Department of Botany, Bharathidasan University, Tiruchirappalli, India, September 2014.
5. Observer / Subject Expert, Ph.D thesis Viva-Voce, Manonmaniam Sundaranar University, Tirunelveli, India
6. Observer (VC nominee), Manonmaniam Sundaranar University, Tirunelveli, India**.**

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.

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 Technology (Taylor & Francis)
6. Industrial & Engineering Chemistry Research (ACS publications)
7. International Journal of Environmental Analytical Chemistry (Taylor & Francis)
8. Journal of Chemical Technology and Biotechnology (Wiley)
9. Journal of Environmental Engineering and Science (NRC Research Press)
10. Journal of Environmental Management (Elsevier)
11. The International Journal of Life Cycle Assessment, The (Springer)
12. Scientific Reports (Nature Publishing Group)
13. Waste Management (Elsevier)
14. Waste Management & Research (Sagepub)