



Dr. Ramasamy RAJESH KUMAR

Google Scholar

<https://scholar.google.com/citations?user=wc7ZzM8AAAAJ&hl=en>

Scopus ID:

<https://www.scopus.com/authid/detail.uri?authorId=57212411333>

Web of Science ID:

<https://www.webofscience.com/wos/author/record/HSG-3850-2023>

ORCID:

<https://orcid.org/0000-0002-4351-0532>

Honorary Faculty – Dept of Science and Engineering, Novel Global Community Educational Foundation (NGCEF), Hebersham, New South Wales, Australia

Director- International Skill Development Council (ISDC), New Delhi, India

Board of Director – All India Institute of Training and Education (AIITE), New Delhi, India

- Keen researcher, adept at creating innovative teaching, researches and formulating research proposals for accelerated growth of the organization.
- Proactive professional with 16+ years research and teaching experience in national and international level
- My post-doctor experiences are in **top QS- World ranking Universities:**
 1. Institute of Nuclear Agriculture, (International Atomic Energy Agency's (IAEA) First Collaborating Centre), Key Laboratory of Nuclear- Agricultural Sciences of Ministry of Agriculture of PR China, College of Agriculture and Biotechnology, Zhejiang University, Hangzhou, China PR (**World QS ranking 45/100**).
 2. Ministry of Education Key Laboratory of Pollution Processes and Environmental Criteria, Tianjin Key Laboratory of Environmental Remediation and Pollution Control, College of Environmental Science and Engineering, Nankai University, Tianjin, China PR (**World QS ranking 355/500**).
 3. College of Agriculture and Life Sciences, Chonbuk National University, Jeonju, South Korea (**World QS ranking 571/600**).
- Motivated and goal driven with a strong work ethics, continuously striving for improvement coupled with excellent aptitude with an eye for detail and the commitment to offer quality work.
- A strong team leader /player, training, guiding and motivating teams of professionals towards maximum achievement with exceptional consensus building, negotiation and interpersonal skills, analytical mind and comprehensive problem detection/ solving abilities.
- Possesses strong communication, interpersonal and relationship management skills

Areas of Research/ teaching

Microbiology, Molecular Biology, Genomics/Proteomics, Bio-Nanomaterials, Bioremediation, Antibiotic resistance, Agro-Natural Products, Biomonitoring, and AI tools and applications

Contact

Mobile : +91 9366244656; 9944111421
Email : iamramrajesh@gmail.com
Website : www.ramrajesh.com

Academic Qualifications

• Post Doctor (PDF) Nuclear Agriculture Science Institute of Nuclear Agriculture Sciences (INAS) International Atomic Energy Agency's (IAEA) First Collaborating Centre College of Agriculture and Biotechnology, Zhejiang University, China PR	2020	
• Post Doctor (PDF) Bio-Environmental Chemistry College of Environmental Science and Engineering Nankai University, China PR	2018	
• MBA Human Resources Management DDE Alagappa University (TN Govt), TN, India	2015	56.85%
• Post Doctor (PDF) Agro-Environmental Chemistry College of Agriculture and Life Sciences Chonbuk National University, Korea	2014	-
• PhD Biotechnology – Environmental UGC (Minimum Standards for award of M.Phil./Ph.D.) Regulations, 2009 Bharathidasan University (TN Govt), India	2012	71 % (First class)
• MPhil Biotechnology Pariyar University (TN Govt), India	2008	62% (First class)
• PG Diploma in Bioinformatics SISI, Govt of India	2006	B+ (66-75%) (First class)
• MSc Biotechnology Bishop Heber College, Tiruchirappalli. Bharathidasan University (TN Govt), India	2005	81.30% (First class)
• BSc Microbiology	2003	66%

Indo-American College, Cheyyar. University of Madras (TN Govt), India	(First class)
<ul style="list-style-type: none"> • MSc Counseling and Psychotherapy Tamilnadu Open University (TN Govt), India 	Pursuing
<ul style="list-style-type: none"> • PG Diploma in Data Science and Analytics National Institute of Electronics and Information Technology, Ministry of Electronics and Information Technology, Govt of India 	Pursuing
<ul style="list-style-type: none"> • Bachelor of General Law DDE Annamalai University (TN Govt), India 	Pursuing

Teaching and industry experience

Teaching

- **Honorary Faculty**, Novel Global Community Educational Foundation (NGCEF), Australia
- **Assistant Professor**, Dept of Biotechnology. School of Bioengineering and Biosciences, Lovely Faculty of Engineering and Technology, Lovely Professional University, Punjab, India
- **Associate Professor** and Head, Dept of Biotechnology, St Joseph University, Nagaland, India
- **Faculty cum Scientist**, Institute of Advanced Sciences, Education and Research (IASER), Tanjore, India (3.11.2014 – 15.12.2015)
- **Assistant Research Professor**, Dept of Bioenvironmental Chemistry, College of Agricultural and Life Sciences, Chonbuk National University, Korea
- **Lecturer** for Post Graduates in the Department of Bioinformatics at Jamal Mohamed College (Autonomous) Tiruchirappalli, Tamilnadu, India for 1 academic year (04.08.2006-31.03.2007)

Industry

- **Senior Scientist**, Lysine Biotech Pvt Ltd., Tanjore, Tamilnadu, India
- **Technical Assistant** in contract for Kuppusamy Constructions at Centre for Applied Research and Development, Neyveli Lignite Corporation Ltd., Neyveli, Tamilnadu, India (04.05.2005-09.12.2005)
- **Trainee** in CADD (Computer Aided Drug Designing) Division AstraZeneca Pharma India (P) Ltd., Research and Development, Bangalore, Karnataka, India (May 2006 to AUG 2006)

Research Experience

Research

- **Post Doctor**- Institute of Nuclear Agriculture Sciences (INAS) (International Atomic Energy Agency's (IAEA) First Collaborating Centre), Key laboratory of Nuclear- Agricultural Sciences of Ministry of Agriculture of PR China, College of Agriculture and Biotechnology, Zhejiang University, China PR (World QS ranking 45/100)
- **Post Doctor** - Ministry of Education Key Laboratory of Pollution Processes and Environmental Criteria, Tianjin Key Laboratory of Environmental Remediation and Pollution Control, College of Environmental Science and Engineering, Nankai University, Tianjin, China (World QS ranking 368/500)

- **Faculty cum Scientist**, Institute of Advanced Sciences, Education and Research (IASER), Tanjore, India (3.11.2014 – 15.12.2015)
- **Post Doctor** – Laboratory of Agro-Environmental Biotechnology, Dept of Bioenvironmental Chemistry, College of Agriculture and Lifesciences, Chonbuk National University, Jeonju, Republic of Korea (World QS ranking 580/600)
- **Junior Research Fellow** (UGC), Dept of Environmental Biotechnology, Bharathidasan University, Tiruchirappalli Tamilnadu, India (09.04.2009-30.12.2011)
- **Junior Research Fellow** Defence Research Development Organisation-Lifescience Research Board, DRDO LSRB Ministry of Defence, Govt of India funded project at Dept of Environmental Biotechnology, Bharathidasan University, Tiruchirappalli, Tamilnadu, India (04.04.2007-09.04.2009)
- **PhD**: Construction of metagenomic clone library for microbial diversity assessment in an electronic waste polluted site and biosorption of heavy metals by isolated organisms. Bharathidasan University, Tamilnadu and Environmental Genomics Division, NEERI (CSIR), Nagpur
- **MPhil**: Occurrence and Distribution of Polycyclic Aromatic Hydrocarbons (PAHs) and Microbial community in Bellandur Lake, Bengaluru, India
- **MSc**: Bioinformatics analysis of *Leishmania mexicana* triose phosphate isomerase (TIM) gene and PCR amplification, cloning of *Leishmania donovani* Triose phosphate isomerase (TIM) gene. Central Drug Research Institute (CDRI-CSIR), Lucknow, UP. India
- **PGDBI**: Developing Database of Anti-Tuberculosis Agents of H37Rv strain (DATA) for AstraZeneca R&D India (P) Ltd., Bengaluru, India

Research funds received

S. No	Project details	Funding agency	Amount	Duration
1	Co-PI, Project no. 22076162, Environmental process and biotransformation of ¹⁴ C decabromodiphenyl ethane in soil	National Science Foundation of China (NSFC)	Natural RMB 756000 (USD 114944) (INR 87 lakhs 32 thousands)	January 01, 2021 – December 12, 2024 (Unable to join the project due to COVID19 Pandemic)
2	Collaborator and Co-ordinator Translation of Manimegalai to <u>Chinese</u> language, F.No. 11-264/ CICT/2021-2022/ Manimegalai Translation Project, dt. 09.08.21.	GIA Scheme, Central Institute of Classical Tamil (CICT), an autonomous Institute functioning under the Ministry of education, Government of India	INR 200000	09.08.2021 – 09.08. 2022

- 3 Collaborator and Co-ordinator, Translation of Manimegalai to Mongolian Tamil (CICT), an language, F.No. 11-264/ CICT/2021-2022/ Manimegalai Translation Project, dt. 09.12.21. functioning under the Ministry of education, Government of India
- INR 200000
- 09.12.2021 – 09.12. 2022

Research projects involved

S.No	Title of the project	Funding agency	Duration
1	To evaluate the microbial sorption capacity of heavy metals released from explosives and elucidate the mechanism involves	Life Science Research Board- Defense Research Development Organisation (LSRB-DRDO), Ministry of Defense, Govt of India	May 2007- May 2009
2	Microbial diversity and population structure analysis of bacterial communities effectively sorbing toxic pollutants from e-waste	University Grants Commission (UGC), Ministry of Human Resources Development, Govt of India	May 2009- Aug 2011

Publications

- Seithikurippu R. Pandi-Perumal, Kamalesh K. Gulia, Hruda Nanda Mallick, Deepak Shrivastav, Arehally Marappa Mahalaksmi, Saravana Babu Chidambaram, **Ramasamy Rajesh Kumar**, Konda Mani Saravanan, Chellamuthu Ramasubramanian, Sudhakar Sivasubramaniam, Derebe Madoro, Meera Narasimhan, Hernan Andres Marin Agudelo, Alexandru Corlateanu, Miguel Meira e Cruz, Janne Gronli, Willem A. C. M. van de Put, Stevan E. Hobfoll, Koos van der Velden, Bjorn Bjorvatn, Mario H. Braakman, Markku Partinen, 1. Andreas Maercker, Joop T. V. M. de Jong, Michael Berk (2023) Israel–Palestine Conflict: Risk of Sleep Disorders and Post-Traumatic Stress Disorders. **Sleep and Vigilance (Springer, Scopus)** 7, 113–117 <https://doi.org/10.1007/s41782-023-00252-5>
- Seithikurippu R. Pandi-Perumal, Willem A. C. M. van de Put, Andreas Maercker, Stevan E. Hobfoll, Velayudhan Mohan Kumar, Corrado Barbui, Arehally Marappa Mahalaksmi, Saravana Babu Chidambaram, Per Olof Lundmark, Tual Sawn Khai, Lukoye Atwoli, Vitalii Poberezhets , **Ramasamy Rajesh Kumar**, Derebe Madoro, Hernán Andrés Marín

Agudelo, Samuel Ratnajeevan Herbert Hoole, Luísa Teixeira-Santos, Paulo Pereira, Konda Mani Saravanan, Anton Vrdoljak, Miguel Meira e Cruz, Chellamuthu Ramasubramanian, Alvin Kuwei Tay, Janne Grønli, Marit Sijbrandij, Sudhakar Sivasubramaniam, Meera Narasimhan, Eta Ngole Mbong, Markus Jansson-Fröjmark, Bjørn Bjorvatn, Joop T. V. M. de Jong, Mario H. Braakman, Maurice Eisenbruch, Darío Acuña-Castroviejo, Koos van der Velden, Gregory M. Brown, Markku Partinen, Alexander C. McFarlane, Michael Berk. Harbingers of Hope: Scientists and the Pursuit of World Peace (2023) **Clinical Psychology in Europe (Scopus)** 5(4), 1-10 <https://doi.org/10.32872/cpe.1319>

3. Mohammad Javad Mehran, Rambod Barzigar, Basaralu Yadurappa Sathish Kumar, Nanjundappa Haraprasad, Bashasab Fakrudin, Sayan Paul, **Ramasamy Rajesh Kumar**, Sudhakar Malla (2023) Stable expression of Helicobacter pylori cagA oncoprotein in brinjal. **bioRxiv** <https://doi.org/10.1101/2023.05.12.540570>

4. Chunguang Li, Xinjun Zhu, Jingxia Zhang, Tisen Xu, Hong Zhang, Zhiping Zheng and **Ramasamy Rajesh Kumar** (2023) Polysaccharides from apple pomace exhibit anti-fatigue activity through increasing glycogen content. **Journal of Food Science and Technology** (Springer SCIE) (IF 3.756) 60 (1)283–291 <https://doi.org/10.1007/s13197-022-05613-y>

5. G.K. Dinesh, D.K. Sharma, S.L. Jat, K.S. Keerthana Sri, K.K. Bandyopadhyay, Arti Bhatia, M. Sinduja, V. Sathya, S. Karthika, N. Sethupathi, Praveen Kadam and **Ramasamy Rajesh Kumar** (2022). Ecological Relationship of Earthworms with Soil Physicochemical Properties and Crop Yields in Conservation Agriculture. **Indian Journal of Ecology (NAAS 5.79)** 9(6): 2135-2139. DOI: <https://doi.org/10.55362/IJE/2022/3798>

6. Janani KS, Soundarya SAS, **Ramasamy Rajesh Kumar (2022)** New Green Revolution- Speed Breeding. **Journal of Agriculture, Food, Environment and Animal Sciences** (Accepted)

7. Miao Xinyu, Zhao Qingzi, **Ramasamy Rajesh Kumar**, Sayan Paul, Lei Wang (2022) Experimental Study on Repairing the Cadmium-Polychlorinated Biphenyl Compounds Contaminated Soil with Nano-Zerovalent Iron Strengthened French marigold. **Science of the Total Environment (Elsevier SCI)** (IF 10.753) (Under review) (Corresponding author)

8. Dong Gao, Henliang Chen, Qiaona Shang, **Ramasamy Rajesh Kumar**, Binota Thokchom (2022) Perspectives on the synthesis of single atom photocatalyst for degrading organic pollutants. **International Journal of Environmental Science and Technology** (Springer SCIE) (IF 3.519) (Under review) (Corresponding author)

9. **Ramasamy Rajesh Kumar** (2022) Urgent actions to combat Climate Change and Impacts: UN SDG goal 13 Climate Action. **Proceedings of the International Conference on Climate Change Adaptation for Sustainable Biodiversity and Food Security (ICCCASBFS 2022)**, Dept of Zoology and Research Centre, Scott Christian College, Nagercoil, Tamilnadu. ISBN: 9788194774518

10. Seithikurippu R. Pandi-Perumal, Velayudhan Mohan Kumar, Namasivayam Ganesh Pandian, Joop T. de Jong, Sudalaikannu Andiappan, Alexandru Corlateanu, Arehally Marappa Mahalaksmi, Saravana Babu Chidambaram, **Ramasamy Rajesh Kumar**, Chellamuthu

Ramasubramanian, Sudhakar Sivasubramaniam, Alvhild Alette Bjørkum, JosAnn Cutajar, Michael Berk, Ilya Trakht, Anton Vrdoljak, Miguel Meira e Cruz, Harris A. Eyre, Janne Grønli, Dainiel P. Cardinali, Andreas Maercker, Willem A. C. M. van de Put, Jaswant Guzder, Bjørn Bjorvatn, Wietse A. Tol, Darío Acuña-Castroviejo, Marie Meudec, Charles M. Morin, Markku Partinen, Corrado Barbui, Mark J. D. Jordans, Mario H. Braakman, Christine Knaevelsrud, Ståle Pallesen, Marit Sijbrandij, Diego Andrés Golombek, Colin A. Espie, Pim Cuijpers, Hernán Andrés Marín Agudelo, Koos van der Velden, Bessel A. van der Kolk, Stevan E. Hobfoll, Walter L. J. M. Devillé, Michael Gradisar, Dieter Riemann, John Axelsson, Gloria Benítez-King, Robert D. Macy, Vitalii Poberezhets, Samuel Ratnajeevan Herbert Hoole, Rangaswamy Srinivasa Murthy, Thomas Hegemann, Andreas Heinz, Jane Salvage, Alexander C. McFarlane, Rob Keukens, Harendra de Silva, Cornelia Oestereich, Jochen Wilhelm, Michael von Cranach, Klaus Hoffmann, Matthias Klosinski, Dinesh Bhugra & Mary V. Seeman (2022) Scientists Against War: A Plea to World Leaders for Better Governance. **Sleep and Vigilance (Springer, SCOPUS)**. <https://doi.org/10.1007/s41782-022-00198-0>

11. Xinyu Miao, **Ramasamy Rajesh Kumar**, Qiqi Shen, Zijiang Wang, Qingzi Zhao, Joginder Singh, Sayan Paul, Wei Wang, Xiaona Shang (2021) Phytoremediation for co-contaminated soils of cadmium and polychlorinated biphenyls using ornamental plant *Tagetes patula*. **Bulletin of Environmental Contamination and Toxicology, (Springer SCI) (IF 2.807)** (Corresponding Author)

12. **Ramasamy Rajesh Kumar**, Saravanakumari AD, Rashmi Saini, Punita Kumari, PriyankaRoy, Sayan Paul (2020) Impacts on dietary habits and health of Indian population during COVID-19 lockdown. **Public Health Review: International Journal of Public Health Research**, 7(6):38-50 DOI: <https://doi.org/10.17511/ijphr.2020.i06.01> (Corresponding author)

13. Saravanakumari AD, D. Thamarai Selvi, **Ramasamy Rajesh Kumar**, Sayan Paul (2020) Assessment of patient satisfaction with inpatient services at secondary level setting. **Public Health Review: International Journal of Public Health Research**, 7(6):58-65 DOI: <https://doi.org/10.17511/ijphr.2020.i06.03> (Corresponding author)

14. Wei Zou, Cai Xia Jin, Shan Wei, **Ramasamy Rajesh Kumar**, Qixing Zhou (2020). Occurrence of antibiotic resistance genes in livestock farms of different scales in North China. **Journal of Agro-Environment Science**, 39(11):2640-2652. (IF 2.218) ISSN:1672-2043 doi:10.11654/jaes.2020-0403

15. Pengfei Zhao, Qingfu Ye, Kaixiang Yu, Joann K. Whalen, **Ramasamy Rajesh Kumar**, Xi Cheng, Laura Delgado-Moreno, Wei Wang (2020) Uptake and transformation of decabromodiphenyl ether in different rice cultivars: Evidence from a carbon-14 study. **Science of the Total Environment**, 704, 20, 135398. (Elsevier, SCI) (IF 10.753) ISSN 1879-1026 DOI: 10.1016/j.scitotenv.2019.135398

16. **Ramasamy Rajesh Kumar**, Kumanan Bharathi Yazhini, Gurumalles Prabu Halliah, Qixing Zhou (2019) Polyfunctional application on modified cotton fabric. **National Academy of Science Letters** 42, 475-478 (Springer, SCIE) (IF. 0.788) ISSN 2250-1754 <https://doi.org/10.1007/s40009-019-00793-2>

17. K Kavitha, **R Rajesh Kumar**, G. Selvakumar, T.Sathiamoorthi (2018) Prevalence of Asymptomatic and Symptomatic Vulvovaginal Candidiasis among pregnant women attending Hospitals in Vellore District, Tamilnadu, South India. **International Journal of Health Sciences and Research** 8 (9):43-46 ISSN 2249-9571 (UGC approved)

18. T. Sathiamoorthi, **R. Rajesh Kumar**, G. Selvakumar, P. Prabakaran (2018) Characterization and biological application of silver nano particles produced from *Senna auriculata* leaf extract. **International Journal of Recent Advances in Biotechnology** 02(01), 24-30 ISSN 2454 7565
19. T. Sathiamoorthi, **R. Rajesh Kumar**, G. Selvakumar, P. Prabakaran (2018) Green synthesis of silver nanoparticles using *Galinsoga parviflora* leaf extract and its antibacterial and antioxidant activities. **International Journal of Microbiology, Biochemistry and Molecular Biology** 03 (01), 01-08 ISSN 2454 7557
20. Chunyu Li, Xiaoyan Guo, Xin Wang, Shougang Fan, Qixing Zhou, Huaiqi Shao, Wanli Hu, Chenghao Li, Lin Tong, **Ramasamy Rajesh Kumar**, Jinhui Huang (2018) Membrane fouling mitigation by coupling applied electric field in membrane system: Configuration, mechanism and performance 287: 124-134 **Electrochimica Acta** (Elsevier, **SCI**) (**IF- 7.336**) ISSN: 0013-4686 <https://doi.org/10.1016/j.electacta.2018.06.150>
21. Pengfei Wang, Sihui Zhan, Haitao Wang, Yuguo Xi, Qianlei Hou, Qixing Zhou, Yi Li, **Ramasamy Rajesh Kumar** (2018) Cobalt phosphide nanowires as efficient co-catalyst for photocatalytic hydrogen evolution over $Zn_{0.5}Cd_{0.5}S$. **Applied Catalysis B: Environmental** 230, 210-219 (Elsevier, **SCI**) (**IF- 24.319**) ISSN: 0926-3373
22. **Ramasamy Rajesh Kumar** and JY Cho (2014) Reuse of hydroponic waste solution. **Environmental Science and Pollution Research**. 21, (16):9569-77 (Springer, **SCI**) (**IF- 5.190**) ISSN: 0944-1344 DOI: 10.1007/s11356-014-3024-3
23. **Ramasamy Rajesh Kumar**, BJ Park and JY Cho (2013) Application and Environmental risks of livestock manure. **Journal of Applied Biological Chemistry** 56, 497-503 (Springer, **SCI**) (**IF- 3.206**) ISSN: 1738-2203 DOI: 10.1007/s13765-013-3184-8
24. **Ramasamy Rajesh Kumar**, HR Jeong, JT Lee and JY Cho (2013) Biodegradation of beta lactam antibiotic 'ampicillin' by white rot fungi from aqueous solutions. **Journal of Pure and Applied Microbiology** 7 (4), 3163-3169 (**SCIE**) (**IF- 0.073**) ISSN 0973-7510
25. **Ramasamy Rajesh Kumar** and JY Cho (2013). 16S rRNA molecular identification of metal tolerant bacteria isolated from electronic waste recycling facility and its heavy metal removal ability. **Journal of Pure and Applied Microbiology** 7 (4), 2607-2616 (**SCIE**) (**IF- 0.073**) ISSN 0973-7510
26. **Ramasamy Rajesh Kumar** and JY Cho (2013). In vitro bionics of face centered cubic lattice crystal nano particles by *Saccharomyces cerevisiae* and its microbicidal screening. **Journal of Applied Biological Chemistry**. 56, 275-278 (Springer, **SCI**) ISSN: 1738-2203 (**IF- 3.206**)
27. **Ramasamy Rajesh Kumar**, JT Lee and JY Cho (2012). Fate, Occurrence, and toxicity of veterinary antibiotics in the environment. **Journal of Applied Biological Chemistry**. 55, 701-709 (Springer, **SCI**) (**IF- 3.206**) ISSN: 1738-2203
28. **Ramasamy Rajesh Kumar**, JT Lee and JY Cho (2012) Toxic cadmium ions removal by isolated fungal strain from e-waste recycling facility. **Journal of Environmental and Applied Bioresearch**. 1 (1) 1-4 (peer reviewed) ISSN 2319-8745

29. P Saranya, **Ramasamy Rajesh Kumar**, M Rajadurai (2012). Protective effect of rutin and ellagic acid on isoproterenol-induced myocardial infarction in wistar rats. **Journal of Environmental and Applied BioResearch**. 1 (1) 12-18 (peer reviewed) ISSN 2319-8745
30. **Ramasamy Rajesh Kumar**, KP Priyadharsani and T Kaliannan (2012). Mycogenic synthesis of silver nanoparticles by the Japanese environmental isolate *Aspergillus tamarii*. **Journal of Nanoparticle Research**. 14 (5) 860-7 (Springer, **SCI**) (**IF- 2.464**) ISSN: 1388-0764
31. **Ramasamy Rajesh Kumar**, S. Sahu and J. Agarwal (2012). Biosorption of cadmium (II) ions by the cadmium tolerant bacteria isolated from the chemical exposed soil of fireworks industry. **Journal of Pure and Applied Microbiology**. 6 (2):781-787 (**SCIE**) (**IF- 0.054**) (Corresponding Author) ISSN 0973-7510
32. **Ramasamy Rajesh Kumar** and N. Kartic (2011). Removal of Cu²⁺ Ions from Aqueous Solutions Using Copper Resistant Bacteria. **Our Nature**. 9 (1): 49-54 (peer reviewed) ISSN 1991-2951. (Corresponding Author)
33. **Ramasamy Rajesh Kumar**, S Congeevaram, T Kaliannan (2011). Evaluation of isolated fungal strain from e-waste recycling facility for effective sorption of toxic heavy metal Pb (II) ions and fungal protein molecular characterization- a mycoremediation approach. **Asian Journal of Experimental Biological Sciences** 2(2): 342-347. (peer reviewed) ISSN 0975 5845
34. **Ramasamy Rajesh Kumar**, C. Shankar, M. Dexilin, T. Sridevidhanarani, T Kaliannan (2010). Phosphate removal by isolated bacteria from municipal wastewater effluent. **Environmental Pollution Control Journal**. 13(3):17-22. (peer reviewed) ISSN 0972 1541
35. S Dhanarani, S congeevaram, M Dexilin, **Ramasamy Rajesh Kumar**, T Kaliannan (2009). Study on acquisition of bacterial Antibiotic resistance determinants in poultry litter. **Poultry Science**, 88(7)1381-1387 (**SCI**) (**IF- 4.014**) ISSN 0032-5791

DNA sequences submitted to NCBI GeneBank, USA - Publications

S.No	NCBI. Acc. No	Authors	Year
1	JN030399	Rajesh Kumar. R., Pal,R.R. and Purohit,H.J	2011
2	JN030400	Rajesh Kumar. R., Pal,R.R. and Purohit,H.J	2011
3	JN030401	Rajesh Kumar. R., Pal,R.R. and Purohit,H.J	2011
4	JN030402	Rajesh Kumar. R., Pal,R.R. and Purohit,H.J	2011
5	JN030403	Rajesh Kumar. R., Pal,R.R. and Purohit,H.J	2011
6	JN030404	Rajesh Kumar. R., Pal,R.R. and Purohit,H.J	2011
7	JN030405	Rajesh Kumar. R., Pal,R.R. and Purohit,H.J	2011
8	JN030406	Rajesh Kumar. R., Pal,R.R. and Purohit,H.J	2011
9	JN030407	Rajesh Kumar. R., Pal,R.R. and Purohit,H.J	2011
10	JN030408	Rajesh Kumar. R., Pal,R.R. and Purohit,H.J	2011
11	JN030409	Rajesh Kumar. R., Pal,R.R. and Purohit,H.J	2011
12	JN030410	Rajesh Kumar. R., Pal,R.R. and Purohit,H.J	2011
13	JN030411	Rajesh Kumar. R., Pal,R.R. and Purohit,H.J	2011

14	JN030412	Rajesh Kumar. R., Pal,R.R. and Purohit,H.J	2011
15	JN030413	Rajesh Kumar. R., Pal,R.R. and Purohit,H.J	2011
16	JN030414	Rajesh Kumar. R., Pal,R.R. and Purohit,H.J	2011
17	JN030415	Rajesh Kumar. R., Pal,R.R. and Purohit,H.J	2011
18	JN030416	Rajesh Kumar. R., Pal,R.R. and Purohit,H.J	2011
19	JN030417	Rajesh Kumar. R., Pal,R.R. and Purohit,H.J	2011
20	JN030418	Rajesh Kumar. R., Pal,R.R. and Purohit,H.J	2011
21	JN030419	Rajesh Kumar. R., Pal,R.R. and Purohit,H.J	2011
22	JN030420	Rajesh Kumar. R., Pal,R.R. and Purohit,H.J	2011
23	JN030421	Rajesh Kumar. R., Pal,R.R. and Purohit,H.J	2011
24	JN030422	Rajesh Kumar. R., Pal,R.R. and Purohit,H.J	2011
25	JN030423	Rajesh Kumar. R., Pal,R.R. and Purohit,H.J	2011
26	JN030424	Rajesh Kumar. R., Pal,R.R. and Purohit,H.J	2011
27	JN030425	Rajesh Kumar. R., Pal,R.R. and Purohit,H.J	2011
28	JN030426	Rajesh Kumar. R., Pal,R.R. and Purohit,H.J	2011
29	JN030427	Rajesh Kumar. R., Pal,R.R. and Purohit,H.J	2011
30	JN030428	Rajesh Kumar. R., Pal,R.R. and Purohit,H.J	2011
31	JN030429	Rajesh Kumar. R., Pal,R.R. and Purohit,H.J	2011
32	JN030430	Rajesh Kumar. R., Pal,R.R. and Purohit,H.J	2011
33	JN030431	Rajesh Kumar. R., Pal,R.R. and Purohit,H.J	2011
34	JN030432	Rajesh Kumar. R., Pal,R.R. and Purohit,H.J	2011
35	JN030433	Rajesh Kumar. R., Pal,R.R. and Purohit,H.J	2011
36	JN030434	Rajesh Kumar. R., Pal,R.R. and Purohit,H.J	2011
37	JN030435	Rajesh Kumar. R., Pal,R.R. and Purohit,H.J	2011
38	JN030436	Rajesh Kumar. R., Pal,R.R. and Purohit,H.J	2011
39	JN030437	Rajesh Kumar. R., Pal,R.R. and Purohit,H.J	2011
40	JN030438	Rajesh Kumar. R., Pal,R.R. and Purohit,H.J	2011
41	JN030439	Rajesh Kumar. R., Pal,R.R. and Purohit,H.J	2011
42	JN030440	Rajesh Kumar. R., Pal,R.R. and Purohit,H.J	2011
43	JN030441	Rajesh Kumar. R., Pal,R.R. and Purohit,H.J	2011
44	JN030442	Rajesh Kumar. R., Pal,R.R. and Purohit,H.J	2011
45	JN030443	Rajesh Kumar. R., Pal,R.R. and Purohit,H.J	2011
46	JN030444	Rajesh Kumar. R., Pal,R.R. and Purohit,H.J	2011
47	JN030445	Rajesh Kumar. R., Pal,R.R. and Purohit,H.J	2011
48	JN030446	Rajesh Kumar. R., Pal,R.R. and Purohit,H.J	2011
49	JN030447	Rajesh Kumar. R., Pal,R.R. and Purohit,H.J	2011
50	JN102337	Rajesh Kumar. R.	2011
51	JN102338	Rajesh Kumar. R.	2011
52	JN102339	Rajesh Kumar. R.	2011
53	JN102340	Rajesh Kumar. R.	2011
54	HM543567	Thamaraiselvi K, Dexilin M, Shankar C, Sridevi T and Rajesh Kumar R	2010

Books Edited/Journals review

- Editor: **Ramasamy Rajesh Kumar**, B. Ramanathan (Ed.), Recent Advances in Scientific Research and Technology, ACE International Pte Ltd, Singapore. ISBN: 978-981-18-1263-7
- Editor: Book of abstracts International Conference on Environmental, Agricultural, Chemical and Biological Sciences (ICEACBS 2022) ISSN 2319 8745
- Editor: B. Ramanathan, **Ramasamy Rajesh Kumar** (Ed.), Book of Achievers 2020-2021. ACE International Pte Ltd, Singapore ISBN: 978-981-18-1264-4
- Editor: Book of abstracts International Conference on Environmental, Agricultural, Chemical and Biological Sciences (ICEACBS 2020) ISBN: 978-93-84389-22-2
- Book reviewer: Environmental Biotechnology: Theory and Applications. Gareth M. Evans and Judith C. Furlong; John Wiley and Sons, Ltd, England: ISBN 0-470-84372-1
- Reviewer: Various National and International Journals

Conferences/ Workshops/ Seminars organized

1. **Convener & Organizing Secretary**, Indo-Canada International Conference on Recent Advances in Research (ICARD 2024), organized by International Skill Development Council (ISDC), New Delhi, India, All India Institute of Training and Education (AIITE), New Delhi, India and Somnogen Canada Inc., Canada, January 27-28, 2023
2. **Convener & Organizing Secretary**, 4th International Conference on Environment, Agriculture, Chemical and Biological Sciences (ICEACBS2022), Organized by Voice Of Indian Concern for the Environment (VOICE), Organized by Voice Of Indian Concern for the Environment (VOICE), Srimad Andavan Arts and Science College, Srirangam, Tiruchirappalli, Tamilnadu, India, May 13-14, 2023
3. **Convener & Organizing Secretary**, World Congress on Environment, Climate, Food, Agriculture and Health (WCECFAH2022), Organized by Council for Promotion of UN Sustainable Development Goals (CPUNSDG) India, Singapore, Oman, Voice Of Indian Concern for the Environment (VOICE), India (www.voiceindia.org.in) ACE International Pte Ltd, Singapore (www.aceinternational.com.sg) June 04-05, 2022 (Virtual)
4. **Coordinator and Host, IFRDP 2022** 7 days International Faculty and Researcher Development Program organized by Synbiogenica labs, India in association with ACE International Pte Ltd., Singapore, April 24-30, 2022
5. **Convener & Organizing Secretary**, VOICE – Virtual 3rd International Conference on Environment, Agriculture, Chemical and Biological Sciences (ICEACBS2022), Organized by Voice Of Indian Concern for the Environment (VOICE), CAFRE & LINK-CAFRE, University of Pisa, Pisa, Italy, Murray State University, Murray, Kentucky, United States of America. The American College, Madurai, Tamilnadu, India, Kamaraj College, Thoothukudi, Tamilnadu, India, Vivekananda College of Arts and Sciences for Women, Tiruchengode, Tamilnadu, India, Rathinam College of Arts and Science, Coimbatore, Tamilnadu, India, Shree Venkateshwara Arts and Science College, Gobichettipalayam, Tamilnadu, India, January 22, 23, 26, 2022

6. **Convener & Organizing Secretary**, International Conference on Environment, Agriculture, Human and Animal Health (ICEAHAH2021), Organized by Voice Of Indian Concern for the Environment (VOICE), India June 05-06, 2021
7. **Organizer cum Moderator**, Webinar on Way to protect us from black fungus, Organized by District Science Centre, Tirunelveli, Tamilnadu, India(National Council of Science Museums, Ministry of Culture, Govt of India) 2020) and Art Of Giving Charitable Trust, Sankarankovil, Tamilnadu , May 31, 2021
8. **Convener and Organizing Secretary, ICEACBS 2021** – 2nd International Conference on Environmental, Agricultural, Chemical and Biological Sciences, organized by Voice Of Indian Concern for the Environment (VOICE) in association with CAFRE, University of Pisa, Italy Murray State University, Kentucky, USA, Dept of Biotechnology, GLA University, Mathura, Uttar Pradesh, India Dept of Zoology, Mercy College, Palakkad, Kerala, India Dept of Environmental Science, DM College of Science, Dhanamanjuri University, Imphal, Manipur, India Dept of Biochemistry, Vels University, Chennai, Tamilnadu, India, January 24-26, 2021
9. **Course coordinator** – Hands on Virtual workshop on Essential Computational Techniques for Lifescience Researchers, SynBiogenica Labs, India, November 20-23, 2020
10. **Organizer and Coordinator**, India's first International Virtual Internship Program on Agro-Environmental Management (IVIPAEM 2020), November 06-12, 2020
11. **Organizing Secretary and Host, IVCEMBBS 2020** – International Virtual Conference on Engineering, Medical, Biomedical and Biological Sciences organized by SynBiogenica Labs in association with Pegaso Canton, Compagnia delle Indie Orientali per Scienza E Tecnologia, Italy and ACE International Pte Ltd, Singapore. October 24-26, 2020
12. **Course coordinator** – Hands on virtual workshop on Essential Bioinformatics for Life Science Researchers, August 24-26, 2020
13. **Course coordinator** – One week hands on virtual workshop on Applied Computational Techniques in Life Sciences, August 10-15, 2020
14. **Course coordinator** – Certificate course on Intellectual Property Rights organized by Science Research Library and Art Of Giving Charitable Trust, Sankarankovil, Tamilnadu July 27-28, 2020
15. **Organizer** - தமிழர் வாழ்வியலும் வரலாறும் - சர்வதேச மெய்நிகர் இணையவழி மாநாடு, (Tamilar vaazhviyalum varalarum- a virtual conference) June 28-30, 2020
16. **Organizer and Moderator** – VOICE International World Environment Day (IWED 2020) UN Environment registered event, June 05-10, 2020
17. **Coordinator and Host, IFRDP 2020 (webinar series)**- International Faculty and Researcher Development Program organized by ACE International Pte Ltd., Singapore in association with Science Research Library and Art Of Giving Charitable Trust, Sankarankovil, Tamilnadu, India
18. **Coordinator and Host**- World's First Coronavirus Discussion Series Free Live Webinars (www.fb.com/DiscussionCoViD19). Hosted 20 live webinars during CoViD19 pandemic lockdown March 2020 onwards.
19. **Organizing Secretary and Host, IVCEIZD 2020**– International Virtual Conference on Emerging Infectious and Zoonotic Diseases organized by Chaudhary Chauhan

Singh University, Meerut, Uttar Pradesh, India and Art Of Giving Charitable Trust, Sankarankovil, Tamilnadu, India May17-18, 2020

20. **Convener and Organizing Secretary, ICEACBS 2020** – International Conference on Environmental, Agricultural, Chemical and Biological Sciences, organized by Voice Of Indian Concern for the Environment (VOICE) and Pondicherry Institute of Agricultural Sciences (PIAS) in Association with Murray State University, Kentucky, USA, January 24-25, 2020, Hotel Anandha Inn (Convention Centre), Pudhucherry, India

Papers presented in National/ International conferences

1. **Ramasamy Rajesh Kumar**, Sana Dhamija. The Application of Graphene Based Nanomaterials for the Removal of Agrochemical Pollutants from the Aqueous Environment. International Conference on Environmental, Agricultural, Chemical and Biological Sciences (ICEACBS 2020), Organized by Voice Of Indian Concern for the Environment (VOICE) and Pondicherry Institute of Agricultural Sciences (PIAS), in association with Murray State University, Kentucky, USA, January 24-25, 2020, Puducherry, **India**.

2. **Ramasamy Rajesh Kumar**, Sana Dhamija. Fate and Transformation of Agrochemicals in the Environment. International Conference on Environmental, Agricultural, Chemical and Biological Sciences (ICEACBS 2020), Organized by Voice Of Indian Concern for the Environment (VOICE) and Pondicherry Institute of Agricultural Sciences (PIAS), in association with Murray State University, Kentucky, USA, January 24-25, 2020, Puducherry, **India**.

3. Sunil Yadav, Sana Dhamija, **Ramasamy Rajesh Kumar**. A Study on Potential of Potash (Potassium salt) recovery from distillery effluent. International Conference on Environmental, Agricultural, Chemical and Biological Sciences (ICEACBS 2020), Organized by Voice Of Indian Concern for the Environment (VOICE) and Pondicherry Institute of Agricultural Sciences (PIAS), in association with Murray State University, Kentucky, USA, January 24-25, 2020, Puducherry, **India**.

4. **Ramasamy Rajesh Kumar**, Rajesh Pal, Hemant J Purohit, Jae Young Cho. Construction of metagenomic clone library of electronic waste recycling facility soil for microbial diversity assessment. 2013 International Symposium and Annual meeting of KSABC. June 27-29, Busan, **Korea**

5. **Ramasamy Rajesh Kumar**, Jae Taek Lee, Hye Ran Jeong, Jae Young Cho. Biodegradation of veterinary antibiotic ampicillin by White rot fungi. 2012 International Symposium and Annual meeting of KSABC. November 8-10, 2012, Gwanju, **Korea**

6. **Ramasamy Rajesh Kumar**, Jae Taek Lee, Hye Ran Jeong, Jae Young Cho. Toxic heavy metals removal using metal tolerant bacteria. 2012 International Symposium and Annual meeting of KSABC. November 8-10, 2012, Gwanju, **Korea**

7. **Ramasamy Rajesh Kumar**, C. Shankar, K. Thamaraiselvi. Optimization of parameters for the effective sorption of cadmium using isolated fungi from e-waste contaminated site. Japanese Society for Microbial Ecology (JSME) 2010, Nov 24-26, 2010, Tsukuba University, Tsukuba, **Japan**.

- 8. Ramasamy Rajesh Kumar**, Kaliannan Thamaraiselvi. Occurrence and Distribution of Polycyclic Aromatic Hydrocarbons (PAHs) and Microbial community in Bellandur Lake, Bengaluru, India. International Symposium on Trace Organic Pollutants in the Environment (ISOTOPE '10) January 23rd 2010. Dept of Environmental Biotechnology, Bharathidasan University, Tiruchirappalli, **India**.
- 9. Ramasamy Rajesh Kumar**, C. Shankar, M. Dexilin, H. Valsala, P. Prakash, T.K Poornima Priyadarshini, K. Thamaraiselvi. Parameters optimization for the isolated fungal strain from e-waste recycling facility for effective sorption of toxic heavy metal Pb (II) ions - A mycoremediation approach. National Conference on Water Pollution and Control Measures July 28-30, 2010. Department of Botany, Catholicate College (M.G. University), Pathanamthitta, Kerala, **India**.
- 10.** M Dexilin, S Congeevaram, S Dhanarani, **Ramasamy Rajesh Kumar** and K Thamaraiselvi. Purification and characterization of azoreductase of an azoreductase from *Bacillus cereus* KTSMD-03. National Seminar on Water Pollution and Control Measures, July 28-30, 2010, Catholicate College, Pathanamthitta, Kerala, **India**.
- 11.** S Congeevaram, J Park, S Dhanarani, M Dexilin, **Ramasamy Rajesh Kumar**, K Thamaraiselvi. Convergent acquisition of bacterial antibiotic resistance determinants from experimental animals. III International Conference on Environmental, Industrial and Applied Microbiology (BioMicroWorld2009), December 2-4, 2009, Lisbon, **Portugal**
- 12. Ramasamy Rajesh Kumar**, S Congeevaram, M Dexilin, Pugazhendhi. A, K Thamaraiselvi. Biohydrogen production from distillery waste water using isolated anaerobic bacteria. National level seminar on Bioremediation Technologies (NSEBT'09), November 5~6, 2009. Dept of Environmental Management, Bharathidasan University, Tiruchirappalli, **India**.
- 13. Ramasamy Rajesh Kumar**, S Herat, S congeevaram, M Dexilin, S Dhanarani, K Thamaraiselvi. Need for sustainable management of electronic waste (e-waste) in India and Australia: A comparative study. EM 29, pg no 183, International Symp. Environment Pollution, Ecology and Human Health, July 25-27, 2009. SV University, Tirupathi, **India**.
- 14. Ramasamy Rajesh Kumar**, S Congeevaram, S Dhanarani, K Thamaraiselvi. Microbial sorption of lead (II) released from explosives using heavy metal tolerant *Acinetobacter* sp and *Aspergillus* sp, HB 14, pg no 189. International Symp. Environment Pollution, Ecology and Human Health, July 25-27,2009. SV University, Tirupathi, **India**.
- 15.** A Pugazhendhi, **Ramasamy Rajesh Kumar**, S congeevaram, S Dhanarani, K Thamaraiselvi. Bioremediation of heavy metal barium released from explosives using bacterial and fungal sp. HB 14, pg no 189, International Symp. Environment Pollution, Ecology and Human Health, July 25-27,2009. SV University, Tirupathi, **India**.
- 16.** M Dexilin, S Congeevaram, S Dhanarani, **Ramasamy Rajesh Kumar** and K Thamaraiselvi. Decolourization of C.I. Acid Violet 90 by *Bacillus* sp. isolated from tannery effluent in the presence of different carbon sources. "International Symposium on Environmental Pollution Ecology and Human Health, July 25-27 2009 S.V University, **India**.
- 17.** S Congeevaram, S Dhanarani, M Dexilin, **Ramasamy Rajesh Kumar**, K Thamaraiselvi, Microbial diversity structure analysis of metal resistant microorganisms from contaminated sites. (FEMS 2009) 3rd Congress of European Microbiologists, June 28th -July 2nd 2009, Gothenburg, **Sweden**.

18. S Congeevaram, J Park, S Dhanarani, M Dexilin, **Ramasamy Rajesh Kumar**, K Thamaraiselvi. Role of glutathione S transferase in antibiotic resistance microorganisms isolated from poultry farm. International Symposium on Microbiology, May 28-30, 2009. Jeju Island, South Korea Organized by The Microbial Society of Korea & Jeju National University, **Korea**
19. S Dhanarani, S Congeevaram, M Dexilin, **Ramasamy Rajesh Kumar**, K Thamaraiselvi, Expression of glutathione S- transferase in antibiotic resistance microorganism isolated from the poultry litter. Poster presentation at the American Society of Microbiology 109th General Meeting, May 17-21, 2009, Pennsylvania Convention, Philadelphia, **Pennsylvania**.
20. S. Dhanarani, S Congeevaram, M Dexilin, **Ramasamy Rajesh Kumar**, K Thamaraiselvi. Convergent acquisition of antibiotic resistant determinants among the isolated organism of the different water systems around Kaveri River (South India)., 8 th Specialized Conference on Decentralized Water and Wastewater International Systems (SWWS) and the 2nd Specialized Conference on decentralized Water and Wastewater International network (DEWSIN)- International Water Association (IWA) Specialized Conference to held at Coimbatore, , pp 98 (Poster no 100). 6-9 February 2008 South **India**
21. **Ramasamy Rajesh Kumar**, C Shankar, M Dexilin, TS Dhanarani, K Thamaraiselvi. Phosphate removal from wastewater effluents by using isolated bacterial biomass. 8 th Specialized Conference on Decentralized Water and Wastewater International Systems (SWWS) and the 2nd Specialized Conference on decentralized Water and Wastewater International network (DEWSIN)- International Water Association (IWA) Specialized Conference to held at Coimbatore, pp 98-99 (poster no 101) 6-9 February 2008 South **India**
22. M Dexilin, S Congeevaram, S Dhanarani, **Ramasamy Rajesh Kumar** and K Thamaraiselvi, Decolorisation of C.I. Acid Blue - 193 in the presence of various co-substrates by isolated bacterial sp from tannery effluent, 8 th Specialized Conference on Decentralized Water and Wastewater International Systems (SWWS) and the 2nd Specialized Conference on decentralized Water and Wastewater International network (DEWSIN)- International Water Association (IWA) Specialized Conference to held at Coimbatore, pp 100 (poster no 130) 6-9 February 2008 South **India**
23. M Dexilin, S Congeevaram, S Dhanarani, **Ramasamy Rajesh Kumar** and K Thamaraiselvi, Microbial decolorization of tannery and textile dye Acid Violet 90. National Conference on Environment Science and Technology & Society for Science and Environment, Jalagaon at Bharathidasan University, Tiruchirappalli, Tamil Nadu, **India**, 28 – 29 November, 2008.
24. S Dhanarani, S Congeevaram, M Dexilin, **Ramasamy Rajesh Kumar**, K Thamaraiselvi. Expression of glutathione S- transferase in antibiotic resistance microorganism isolated from the poultry litter. First World Water Sustainability – renewable energy congress and Exhibition. Pp29. 25-28, Nov 2007, Masstricht, **The Netherlands**.
25. M Dexilin, S Congeevaram, S Dhanarani, **Ramasamy Rajesh Kumar** and K Thamaraiselvi. Isolation and immobilization of microorganisms to decolorize azo dyes, in the Annual Conference held at Indian Institute of Technology, Madras, Chennai, **India**. 18th to 21st December 2007.
26. **Ramasamy Rajesh Kumar**. Distribution of microsatellites in Pseudomonads genomes. National Conference on Recent Trends in Biosciences (NCRTB – 07), Annai College of Arts and Sciences, Kumbakonam, **India**. February 8th and 9th, 2007

Resource person/ Invited lectures/talks

1. **Invited Talk** (Online) International Conference on Recent Trends in Translational Research (RTTR)" held on March 29 – 31, 2023 at Bharath Institute of Higher Education and Research, Chennai, Tamilnadu, India
2. **Honored Speaker** (Offline), Nuclear Science and Technology to Fight Hunger, Malnutrition and Improve Food Security and Food Safety, International Conference on Retrofitting Strategies for SDGs, Mount Carmel College, Bengaluru, Karnataka, India. January 17-18, 2023
3. **Keynote Speaker** (Offline), Nuclear Technology and United Nations Sustainable Development Goals, National Seminar on Recent Advancements in Science and Technology (RAST2022) organized by MATS School of Sciences, MATS University, Raipur, Chhattisgarh, India. December 7-8, 2022
4. **Resource Person** (Online), National Pollution Control Day International Webinar on "Does your food contain plastics?" organized by Dept of Corporate Secretaryship in association with Institution Innovation Council, Anna Adarsh College for Women, Chennai, Tamilnadu, India. December 7, 2022
5. **Guest Speaker** (Online), Faculty Development Program on "The role and use of financial technology to boost Indian agriculture sector", AURA 2022 (IEEE), Amity University, Noida, Uttar Pradesh. November 25, 2022
6. **Resource Person** (Offline), Guest lecture on "PhD and Post-Doctoral positions in abroad-A reflective guidance" organized by Lady Doak College, Madurai, Tamilnadu India. October 13, 2022
7. **Resource Person** (Offline), Workshop on "Manuscript preparation and submission" organized by School of Home Science, Avinashilingam Institute of Home Science and Higher Education (Deemed to be University), Coimbatore, TamilNadu, India. October 11-12, 2022
8. **Resource Person** (Offline), International guest lecture on "Breaking the myths of Research Publication" organized by Dept of Biotechnology, GRD college of sciences, Coimbatore, Tamilnadu, India. October 10, 2022
9. **Resource Person** (Offline), Two-day International Seminar cum Workshop on Research and Publication Ethics, and how to write manuscript & publishing in peer reviewed journals organized by Bharti Vishwavidyala (Bharti University), Durg, Chhattisgarh, India. August 25, 26, 2022
10. **Resource person** (online), Nuclear Energy contribution to achieving the United Nations Sustainable Development Goals, one day webinar organized by on 3rdAugust,2022 organized by the Department of Physics, Faculty of Arts, Science, Commerce and Management, Karpagam Academy of Higher Education (Deemed to be University), Coimbatore, TamilNadu, India. August 03, 2022
11. **Keynote address** (Offline), Urgent actions to combat Climate Change and Impacts: UN SDG goal 13 Climate Action, **UGC Sponsored** International Conference on Climate Change

Adaptation for Sustainable Biodiversity and Food Security (ICCCASBFS 2022) Organized by Department of Zoology, Scott Christian College, Nagercoil, Tamilnadu, India, June 23-24, 2022

12. **Resource person** (offline), “**UGC Guru- Dakshta** - 7 Days Faculty Induction programme for Newly Recruited Faculty Phase – II Avinashilingam Institute for Home Science and Higher Education for Women (Deemed to be University), Coimbatore, Tamilnadu, India, April 12, 2022

13. **Invited talk** (Online) on “Nuclear Technology for Sustainable Future” organized by Department of Physics, KPR Institute of Engineering and Technology, Coimbatore, Tamilnadu in association with **Indian Society for Technical Education** (ISTE) Faculty Chapter, March 17, 2022

14. **Invited talk** (offline) on “Environmental changes, its impact on the emergence, and re-emergence of infectious diseases” One day seminar on “Environment, Emerging Infectious Diseases, and Prevention” organized by Dept of Microbiology, Shree Venkateshwara College of Arts and Science (Co-Education) College, Gobichettipalayam, Erode District, Tamilnadu India, March 09, 2022

15. **Resource Person** (online) “An overview of qualitative research data collection methods” five-day National Level Faculty Development Program on “Ethics and Qualitative Methods in Research, a Multidisciplinary Approach” Organized by Dept of applied sciences, Chitkara University, Punjab from 7th to 11th March, 2022

16. **Guest speaker** (online) on “Biodiversity, Climate Change and Nutrition nexus: Challenges and opportunities for future generations”, Webinar on Food and Nutrition Security for LIFE (Life Style and Environment) organized by Dept of Food Science and Nutrition, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore, Tamilnadu, Nutrition Association and **Nutrition Society of India**, Coimbatore Chapter, December 23, 2021

17. **Key Speaker** (online) on “Tamil language and culture in the history of China”, Faculty Development Program – International Webinar Series on “Identifying and documentation of the life of overseas Tamil diaspora community” organized by Dept of Tamil Studies in Foreign Universities, Tamil University, Tanjore, Tamilnadu, India and IQAC Centre and Tamil Dept of Shri Shankarlal Sundarbai Shasun Jain College for Women, Chennai, Tamilnadu, India, June 14, 2021

18. **Invited online lecture** on “Importance of health and wellness of life science researchers” organized by Dept of Psychology, The American College, Madurai, Tamilnadu, India in association with Madras School of Social Works, Chennai, MS Chellamuthu Institute of Mental Health and Rehabilitation, Madurai, Redpond Educational and Psychological Research Centre, Madurai and Psycho Oncological Association, Turkey, April 13, 2021

19. **Invited online Keynote speaker** on “Role of Biodiversity on Human Health, Economy and Wellbeing”, International Virtual Conference on Inter Disciplinary Research Perspectives – Integration of Science and Humanities in Biodiversity Conservation”, Organized by Marian Star Centre, School of Biological Sciences in collaboration with PG and Research Department of Commerce, St. Marys College (Autonomous), Thoothukudi, Tamilnadu, India and Department of Commerce, Rani Anna College for Women, Tirunelveli, Tamilnadu, India sponsored by Department of Biotechnology, Ministry of Science and Technology, Government of India, April 04, 2021

20. **Invited online Keynote speaker** on “Environmental Sustainable Food Consumption and Waste management”, Lagos State Nigeria Online Global Round Table 2021, Theme: Waste and

Environmental Challenges: The role of youth in providing solution, 27th March 2021, organized by Global Environmental and Climate Conservative Initiative (GECCI) and Voice of International Community for the Environmental (VOICE)

21. **Keynote speaker** on "Environmental sustainable food consumption for building future India", International Conference on Building a Sustainable Environment- ICBSE 2021, March 14-15, 2021 organized in the Dept of Environmental Science, DM College of Science, Dhanamanjuri University, Imphal, Manipur, India

22. **Invited online talk** on "Integrated sustainable agriculture & rural Bio-entrepreneurship", AICTE sponsored two weeks Virtual Faculty development programme on "Bioinnovation, Patenting and Entrepreneurship Opportunities in Biotechnology for Sustainable Environment" from 8th to 20th March, 2021 Phase 2 organized by Department of Biotechnology, The Oxford College of Engineering, Bengaluru, Karnataka, India

23. **Invited online talk** on "Environmental impacts on food production, safety and consumption", **UGC STRIDE** sponsored eight days online programme on Environmental sustainability and research ethics, organized by Dept. of Food Science and Nutrition, School of Home Science, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore Tamilnadu, India

24. **Invited online talk** on "Eco-friendly sustainable Bioplastics: An alternative to petrochemical plastics", International Webinar – January 2021 on "SUSTAINABLE ALTERNATE FOR REPLACING PLASTICS TO AVOID THE EFFECTS OF PLASTIC POLLUTION", January 12, 2021, organized by DKM College for Women, Vellore, sponsored by Tamilnadu State Council for Science and Technology (TNSCST)

25. **Invited online talk** on "CRISPR lab on a chip technology for COVID 19 diagnostics", Webinar on "Role of Scientists and Science endeavors in finding solutions to combat COVID19 pandemics, November 25, 2020 organized by Institute of Forest Genetics and Tree Breeding, Indian Council for Forestry Research & Education, Coimbatore, Tamilnadu, India

26. **Invited online talk** on International webinar on "Nuclear Medicine and Applications", October 17, 2020 organized by Dept of Biomedical Engineering & Placement and Training Cell, Arupadai Veedu Institute of Technology, Vinayaka Missions Research Foundation, Chennai, Tamilnadu, India

27. **Invited online talk** on "Traditional Chinese Medicines and Nuclear medicine for coronaviruses", Three days International webinar on Advances in Biological Sciences, August 17-18, Dept of Botany and Biotechnology, Bharathiar University, Coimbatore, Tamilnadu, India

28. **Invited online talk** on "Coronaviruses and Traditional Chinese Medicines", July 24-25, COVID 19 Disease control- opportunities and challenges for drug discovery and development: Drug repurposing and alternative medicine, Centre for Bio-separation Technology, VIT, Vellore, Tamilnadu, India

29. **Invited online talk** on "Cause, symptoms, diagnosis, treatment and prevention of SARS and MERS" Online course Infectious diseases, July 03, 2020, School of Biological Sciences and School of Biotechnology, Madurai Kamaraj University. Madurai, Tamilnadu, India

30. **Invited talk** on "Nuclear Medicine: 21st century paradigm" June 22, 2020, International virtual conference on biology in 21st century: Transformation of biological sciences in support of the sustainable development goals, Dept of Zoology, Kongunadu arts and science college, Coimbatore, Tamilnadu, India and Indian Science Congress Association, Coimbatore Chapter
31. **Invited online talk** on "Nuclear medicines: Diagnosing and treating infectious diseases", June 13, 2020, Impact of COVID19 pandemic: Biotechnology perspective (IICPBP2020), Dept of Biotechnology, Swami Shri Swaroopanand Saraswati Mahavidyalaya, Bhilai, Chattisgarh, India
32. **Invited online talk** on "Nuclear medicines: Diagnosing and treating illness", May 30, 2020, International online summit on new disease outbreaks, Institute of Innovations, Tiruvannamalai, Tamilnadu, India
33. **Invited online talk** on "Berth in the biotech industries for lifescience students-aftermath COVID19" May 29, 2020, Global research trends on COVID19: opportunities and challenges, PG and Research Department of Biotechnology, Women's Christian College, Chennai, Tamilnadu, India
34. **Invited online talk** on "International webinar on Art of writing research/review articles for publishing in peer reviewed journals" May 25, 2020, Internal Quality Assurance Cell (IQAC), MES College, Erumely, Kottayam, Kerala, India
35. **Invited online talk** on "Choosing a career in Lifesciences: opportunities and challenges"- May 03, 2020, Sri Krishna Arts and Science College, Coimbatore, Tamilnadu, India
36. **Guest of honor and Invited talk UP Govt sponsored** "International conference on Interdisciplinary research for sustainable development: Innovations and Opportunities- ICIRSD-2020, February 14-16, 2020, Vardhaman College, Bijnor, Uttar Pradesh, India
37. **Chief Guest, Keynote address and invited talk** on "Return of novel corona virus-nCoV 2019", February 6-7, 2020 during the Popular lectures in Biotechnology, **DBT, Govt of India** sponsored program & National Conference on Bioprospecting & Biotechnology. Dept of Biotechnology, Arunai Engineering College, Tiruvannamalai, Tamilnadu, India
38. **Invited talk** on "Indian Biotechnology Sectors: Job, research and entrepreneurship opportunities", March 18, 2019 Srimad Andavan Arts and Science College (Autonomous), Tiruchirappalli, Tamilnadu, India
39. **Invited Speaker** "Bionanocomposites for environmental remediation". "International Conference on Advanced Nanoscience and Nanotechnology (ICANN 2019), March 18-19, 2019, Department of Nanoscience and Technology, Alagappa University, Karaikudi, Tamilnadu, India
40. **Delivered inaugural address and invited talk** on "PPCPs- Emerging Environmental Pollutants", National Seminar on Emerging Trends in Bio-Environmental Technologies, October 11, 2018, Dept of Zoology, C. Abdul Hakeem College, Melvisharam, Vellore District, Tamilnadu, India
41. **Delivered invited talk** on "Biomarkers and Human Biomonitoring of Toxic Chemicals", Dept of Biotechnology, Manonmaniam Sundaranar University, February 16, 2018, Tirunelveli, Tamilnadu, India

42. **Delivered plenary lecture** on "Metagenomics: exploring hidden treasures", International Conference on Recent Advances in Synthetic Biology-2015, January 08, 2015. Dept of Biotechnology and Bioinformatics, Bishop Heber College (Autonomous), Tiruchirappalli, Tamilnadu, India

43. **Delivered invited plenary lecture** on "PPCPs: Occurrence and Risks on Aquatic Systems" National Conference on Role of Science and Technology in Environmental Protection, NCRSTEP-2015, 29 December, 2015. Deccan Environmental Research Organisation, Vijayapur, Karnataka, India

44. **Delivered invited plenary lecture** on "Molecular techniques in Microbial diversity assessment" National Conference on Advances in Biodiversity, Science, Engineering, and the Environment, 17 February, 2016. MS Irani College of Arts, Science and Commerce, Kalaburgi, Karnataka, India

TV talks and magazines

- Coronavirus awareness – News 7 (Tamil), Makkal TV (Tamil), Maalaimurasu TV (Tamil)
- Polimer News – Interview
- வெட்டுக்கிளிகளை கட்டுப்படுத்தும் டெக்னிக் (Locust Controlling Technique), புதியதலைமுறை தமிழ் வார நாளிதழ் Puthiyathalaimurai Tamil weekly magazine, May 28, 2020
- கொசுக்களை கட்டுப்படுத்த அணு விஞ்ஞானம் (Nuclear Technology to Control Mosquitoes) - தீபாவளி – சிறப்பு கட்டுரை, தினமலர், Dinamalar Diwali Special Article, November 05, 2021

Workshops/ Trainings/ Seminars/ Conferences attended

1. FDP Course: 5 Day DST SERB Sponsored **Faculty Development Program** on "Hydroclimatological Modelling Tools & Techniques and their Applications" organized by Department of Civil Engineering, NIT Andhra Pradesh, India
2. Workshop : **One day online TEQIP III sponsored workshop** on Engineering interventions to combat COVID 19 Pandemic, organized by Dept of Chemical Engineering, Jawaharlal Nehru Technological University College, Anantapur, Andhrapradesh, India
3. Course: **21 days online course on Epidemiology**, organized by School of Biological Sciences and School of Biotechnology, Madurai Kamaraj University. Madurai, Tamilnadu, India
4. FDP Course : 5 Day Online **Faculty Development Program cum Webinar Series** on "Latest Trends and Future Prospects of Biotechnology" organized by Department of Biotechnology, NIT Andhra Pradesh, India
5. FDP Course : **One week online short term course/Faculty development program** (TEQIP III sponsored) on "Trends and Process in Bio refinery", Department of Biotechnology, Dr BR Ambedkar National Institute of Technology, Jalandhar, Punjab, India

6. FDP Course _____ : **One week short term course/Faculty development program** (TEQIP III sponsored) on "Enzymes and Bioprocess Engineering", Department of Biotechnology, Dr BR Ambedkar National Institute of Technology, Jalandhar, Punjab, India
7. Workshop: **Two days National workshop on Recent Developments in Bioinformatics and Biotechnology**, Dept of Biotechnology, DBT-BIF, Manaanmaniam Sundaranar University, Tirunelveli, Tamilnadu, India
8. Workshop: **National Level Training Workshop on Environmental Trace Analysis of Pesticides and Pharmaceuticals (ENTRAPP'08)**", Dept of Environmental Biotechnology, Bharathidasan University, India
9. Workshop: **International Workshop on Molecular Microbial Pathology (IWMMP'08)**, Dept of Environmental Biotechnology, Bharathidasan University, India
10. Workshop: **"Current Trends in Biology and Biotechnology, Science Academies in India** and Dept of Biochemistry, Bharathidasan University, India
11. Workshop: **High Performance Computing- HPC, Indian Association of Cultivation of Science (IACS)**, Kolkatta, West Bengal, India.
12. Work Shop: **Structural Bioinformatics, Indian Institute of Science (IISc)**, Bangalore, Karnataka, India
13. Winter School : Current Trends in Microbial Biotechnology: Genomics, Diversity, Gene Mining, **Central Institute of Fisheries Technology (ICAR)**, Willingdon Island, Cochin, Kerala, India
14. Work Shop: **e- Resources and Higher Academic Research**, Central Library, Bharathidasan University, Tiruchirappalli, Tamilnadu, India
15. Workshop: **Access to e-Resources and Digital Library Consortium, INFLIBNET Centre, Ahmadabad** and Central Library, Bharathidasan University, Tiruchirappalli, Tamilnadu, India
16. Training: **Marine Biotechnology and Microbiology, Suganthi Devadason Marine Research Institute** (UGC), Tuticorin, India
17. Short term course: **Microbes and Sustainability, American Society for Microbiology** and **UGC-NRCBS MKU**, Madurai Kamaraj University, Madurai, Tamilnadu, India
18. 13. Short term course: **Special Interaction Program for PhD Scholars- UGC, New Delhi and Academic Staff College**, Pondicherry University, Puducherry, India
19. Symposium: **International Symposium on Omics approach to microbes, National Environmental Engineering Research Institute (CSIR)**, Nagpur, India
20. Conference: **National conference on Environment Science and Technology**, Dept of Environmental Biotechnology, Bharathidasan University, Tiruchirappalli, Tamilnadu, India & Society for Science and Environment, Jalagaon
21. Conference: **Regional conference on e-waste management**, Dept of Social work, Bharathidasan University, Tiruchirappalli, Tamilnadu, India

22. Seminar: **One day seminar on Recent trends in chemical signaling**, Centre for Pheromone Technology, Dept of Animal Science, Bharathidasan University, Tiruchirappali, Tamilnadu, India
23. Seminar: **National Seminar on Environmental Genomics**, Bharathidasan University, Tamilnadu, India
24. Seminar: **UGC sponsored regional seminar on Recent trends in Biotechnology and its role in utilization of biodiversity**, PG and Research Dept of Botany, Jamal Mohamed College, Tiruchirappali, Tamilnadu, India
25. Seminar: **National Seminar on Climate Change and Environment**, Bharathidasan University, Tamilnadu, India

Awards/honours

1. World Teacher Award 2021- **Educational and Psychological Research Centre India & UK**
2. **World Environment Day Hero 2019** – United Nations (Environment)
3. **The prize of outstanding contribution 2016**- Nankai University, PR China
4. **Young Scientist 2015** – Deccan Environmental Research Organization, Bijapur, Karnataka, India
5. **Best Research Paper Award** (April 2011) by Asian Journal of Experimental Biological Sciences for the work "Evaluation of isolated fungal strain from e-waste recycling facility for effective sorption of toxic heavy metal Pb (II) ions and fungal protein molecular characterization- a mycoremediation approach"
6. Awarded **Junior Research Fellowship**, University Grants Commission (UGC), Ministry of Human Resources Development, Govt of India
7. Awarded **Junior Research Fellowship**, Life Science Research Board, Defence Research and Development Organisation (DRDO), Ministry of Defence, Govt of India

International recognitions

- Received invitation letter for the prestigious **Fullbright-Nehru Fellowship** from Dr Bruce E Rittmann, Arizona State University, USA
- European Union (EU) Parliament policy on "Carbon Farming, Making Agriculture Fit for 2030" [https://www.europarl.europa.eu/RegData/etudes/STUD/2021/695482/IPOL_STU\(2021\)695482_EN.pdf](https://www.europarl.europa.eu/RegData/etudes/STUD/2021/695482/IPOL_STU(2021)695482_EN.pdf) recognized and cited "**Ramasamy Rajesh Kumar**, BJ Park and JY Cho (2013) Application and Environmental risks of livestock manure. **Journal of Applied Biological Chemistry** 56, 497-503"

Professional Memberships/ Fellowships

- Editorial Board Member – American Journal of Environmental Protection, Science Publishing Group, New York, USA
- Life Member - Indian Society for Technical Education (ISTE), New Delhi, India. (Since 2006)
- Life Member - Counsellor Council of India (CCI), India
- Fellow – Society of Education, India

- Fellow- Academy of Environment and Life Sciences, India
- Fellow- Society for Microbiology, Biochemistry and Biotechnology, India
- Associate Member- National Academy of Psychology (NAOP), India
- Member – World Academy of Science, Engineering and Technology, Connecticut, USA
- Member – International Society for Applied Life Sciences
- Senior Member - Asia-Pacific Chemical, Biological & Environmental Engineering Society (APCBEEES), Hong Kong
- Member - Asian Federation of Biotechnology, Korea
- Member - European Federation of Biotechnology, Spain
- Associate Member - Bioinformatics Organization, Inc., Hudson, Massachusetts.
- Moderator - International Forum for Microbes and Sustainability (IFMS), India.
- Member - Board of Studies, PG Dept of Biotechnology, Bishop Heber College (Autonomous), Tiruchirappalli, TN, India (2009-10)

Extra-Curricular/ Social work

- Founder and India Coordinator – Voice Of Indian Concern for the Environment (VOICE) www.vvoice.weebly.com
- Founder and Secretary, Art of Giving Charitable Trust (www.artofgivingcharity.com), Tamilnadu, India
- Organized CoViD19 relief materials for the needy and poor, Manalur village, Achambatti village, Tenkasi Dist, Tamilnadu
- Organized Gaja cyclone relief free medical camp, Tamilnadu 2018
- Organized Old age destitutes and School students' welfare program, Manalur village, Tirunelveli Dist, Tamilnadu, India
- Organized 3 flood relief free medical camps in Cuddalore District villages, Tamilnadu 2015
- Acted as Bharathidasan University committee member during UGC and NAAC committee visit, 2009
- Served as Seargent National Cadet Corps (NCC) & NSS, India
- Served as School Pupil Leader – NLC Boys Hr Sec School, Neyveli, Tamilnadu, India
- Served as President Interact Club – Scott Christian Hr Sec School, Nagercoil, Tamilnadu, India

Other personal details

DOB : 09 February 1983
Father's name : Mr. P. Ramasamy (Ex. Indian Navy)
Mother's name : Mrs. R. Jelina (Home maker)
Marital status : Unmarried
Nationality : Indian
Languages : English, Tamil, Hindi, Korean (basic), Chinese (basic)
IT proficiency : Word, Excel, PowerPoint, PERL, HTML, DHTML, XML, Oracle/SQL, AI tools