



Dr. P. KUMAR
Assistant Professor

Contact

Address : Department of Animal Health and Management
Room No. 618, 6th Floor, Science Campus,
Alagappa University Karaikudi – 630 003,
Tamil Nadu, INDIA

Employee Number : 36404

Contact Phone (Office) : +91-4565-223355

Contact Phone (Mobile) : +91-9787315558

Contact e-mail(s) : kumarp@alagappauniversity.ac.in

Skype id : kumar.ponnuchamy

Website :

Academic Qualifications

Degree	Institution	Year	Branch	Class
B.Sc.,	The American College, Madurai	2007	Botany Spl. Industrial Microbiology	First Class
M.Sc.,	Madurai Kamaraj University, Madurai	2009	Sub-Aqua Marine Ecology and Toxicogenomics	First Class and Distinction
Ph.D	Bharathidasan University, Tiruchirappalli	2015	Environmental Biotechnology	Highly Commendable

Teaching Experience

Total Teaching Experience : 8 Years

Position	Institution	Duration
Assistant Professor	Alagappa University, Karaikudi	30.01.2016 – Till date

Research Experience

Total Research Experience : 11.6 Years

Position	Institution / University	Duration
Junior Research Fellow	Bharathidasan University, Tiruchirappalli	3.6 Years
Assistant Professor	Alagappa University, Karaikudi	8 Years

Academic and Additional Responsibilities

S.No	Position	University Bodies	Period	
			From	To
1.	Programme Officer	National Service Scheme, Alagappa University, Karaikudi.	May, 2018	Feb, 2023
2.	Assistant Director	Directorate of Online Programme, Alagappa University, Karaikudi.	Jul, 2020	Nov, 2021
3.	Training Partner Co-ordinator	Nan Mudhalvan Scheme, Alagappa University, Karaikudi.	Feb, 2023	Till date

Areas of Research

- Nanomedicine
- Molecular Cancer Biology
- Systems Toxicology and Toxicogenomics

Patents Filed

- Phloroglucinol mediated carbon quantum dots with anticancer bioactivity and preparation method thereof – Application No. 202341046445 – Published (Journal No. 35/2023 dated: 01.09.2023)
- Method for the preparation of CA-CQDs for electrochemical sensing of epicatechin – Application No. 202341046447 - Published (Journal No. 35/2023 dated: 01.09.2023).
- Advanced Breast Cancer Detection System – Application No. 390418-001 – Accepted & Published (Journal No. 08/2018 dated: 23.02.2024)

Research Supervision / Guidance

Program of Study		Completed	Ongoing
Research	PDF	-	-
	Ph.D	1	3
	M.Phil	11	-
Project	PG	22	12
	UG / Others	4	-

Publications

International		National		Others
Journals	Conferences	Journals	Conferences	Books / Chapters / Monographs / Manuals
103	22	-	7	8

Cumulative Impact Factor (as per JCR) : 458.9

h-index : 35

i10 index : 74

Total Citations : 4049*

**as on 27.02.2024 – Google Scholar*

Thesis adjudication

Thesis Evaluated : 1

Viva voce Examiner : -

Funded Research Projects

Ongoing Projects:

S.No	Agency	Period		Project Title	Budget (Rs. In lakhs)
		From	To		
1.	EIR hub of RUSA-2.0, Government of India, New Delhi	2023	2024	Development of Silica based nanotheranostics system.	5,12,000

Completed Projects:

S.No	Agency	Period		Project Title	Budget (Rs. In lakhs)
		From	To		
1.	University Grants Commission (UGC), Govt. of India, New Delhi	2017	2019	Role of Aaptamine - Conjugated Gold Nanorods in Mitochondrial Dysfunction of Human Breast Cancer Cell Lines.	8,00,000
2.	Science and Engineering Research Board (SERB), Govt. of India, New Delhi	2017	2020	Molecular insights of platinum conjugated doxorubicin as theranostic system targeting apoptosis mediated genomic instability in breast cancer cells line(s).	21,80,228
3.	Science and Engineering Research Board (SERB), Govt. of India, New Delhi	2018	2021	Development of surface-charge impregnated plasmonic gold nanoprobe for enhanced photodynamic therapy and mitochondrial dysfunction in human breast cancer cell line(s).	36,21,700
4.	RUSA-2.0, Government of India, New Delhi	2018	2019	Development of evidence – based nanomedicine targeting human breast cancer cell line(s) – Phase I.	4,50,000
5.	RUSA-2.0, Government of India, New Delhi	2022	2023	Development of evidence – based nanomedicine targeting human breast cancer cell line(s) – Phase II.	4,31,000

Other Fund Received as Research Mentor:

S.No	Agency	Period		Project Title	Budget (Rs. In lakhs)
		From	To		
1	Indian Council of Medical Research (ICMR), Govt. of India, New Delhi	2019	2020	Molecular insights of platinum based theranostics system targeting breast cancer cell line(s)	8,80,000

Distinctive Achievements / Awards

- Received the **Young Scientist Award (Saraswathy Srinivasan Prize)** in recognition of the **research contributions in Biological Science** from **The Academy of Sciences, Chennai** in 2023 with a **cash prize of Rs. 20,000 & Certificate of Merit**.
- Received the **Certificate of Appreciation** for the contribution for **Outstanding Academic and Research excellence** in acquired the Award & Project during the Academic years through 2020-21 to 2022-23 at **Alagappa University, Karaikudi** on 05th January, 2023.
- Featured in the **Top 2% scientist in the world based on a single recent year dataset pertaining to citations** received during calendar year 2021 & 2022 as released by Stanford University.
- Received the **Promising Researcher Award** in recognition of the contribution made towards **Excellence in Research of Alagappa University** in 2022.
- Received the **Vallal Alagappan Research Recognition Award** for the contribution towards the **Enhancement of Research Outcome of the Alagappa University** in the form of “**h**” **index** in 2020
- Received the **Best Paper Award** in the International Virtual Conference on “**Bio-Inspired Materials for Bone tissue engineering and Theranostic applications**” organized by **Sathyabama Institute of Science and Technology, Chennai** held between 9th & 10th November, 2020.
- Received the **Certificate of Appreciation** in recognition of the contribution made to “**Theme Based Research Project of RUSA 2.0**” towards the **Quality Enhancement in Teaching and Research, Alagappa University, Karaikudi** in 2020.
- Received the **Best Oral Presentation Award** in the Two-days national Seminar on “**Social Relationship between Microbes, Human and Environment**” organized by Department of Biotechnology, **Sri Kaliswari College (Autonomous), Sivakasi** held between 18th – 19th July, 2019.
- Received the **Outstanding Researcher Award** at the International Conference “**HORIZON – 2019: The Epitome of Biomedical Research**” organized by Saveetha Dental College & Hospitals, SIMATS, Chennai, India and Innoscience Research Sdn Bhd, Malaysia held between 28th February – 01st March, 2019.
- Received the **Certificate of Appreciation** for rendered significant service for acquiring **A+ Grade (CGPA: 3.64) in the third cycle of NAAC accreditation** by **Alagappa University, Karaikudi** in May, 2017.
- Received the **Certificate of Appreciation** for outstanding efforts as a volunteer in the **donor recruitment** drive organized by **Datri Blood Stem Cell Donors Registry** held at **Alagappa University** in March, 2017.

- Received the **Early Career Research Award** from **Science and Engineering Research Board** for executing a major research project worth of **Rs. 21,80,228** December, 2016.
- Received recognition for **Cover Page Art** in **Inorganic Chemistry Frontiers** (DOI: <https://doi.org/10.1039/C4QI90018A>) in 2014
- Received the **Junior Research Fellowship** from **Department of Science and Technology – Natural Resource Data Management System (DST-NRDMS)** between December, 2010 - July, 2014.

Events organized in leading roles

Number of Seminars / Conferences / Workshops / Events organized: 14

Position	Programme	Duration	Institution
Organizing committee Member	4 th International Conference on Recent Trends in Microbiology (RTM – 2024)	26.02.2024 - 27.02.2024	Department of Microbiology, Alagappa University, Karaikudi.
Training Partner Co-ordinator	Faculty Development Programme on Medical Coding	19.02.2024 – 21.02.2024	Alagappa University, Karaikudi
Training Partner Co-ordinator	Faculty Development Programme on Green Technology for Employability	22.01.2024 - 24.01.2024; 30.01.2024 & 31.01.2024	Alagappa University, Karaikudi
Training Partner Co-ordinator	Faculty Development Programme on Innovative and Creative Skills	08.01.2024 – 12.01.2024	Alagappa University, Karaikudi
Training Partner Co-ordinator	Faculty Development Programme on Pharmagene & MSSRF	24.07.2023 – 28.07.2023	Alagappa University, Karaikudi.
Training Partner Co-ordinator	Faculty Development Programme on PCR technology and Digital marketing	17.07.2023- 21.07.2023	Alagappa University, Karaikudi.
Training Partner Co-ordinator	Faculty Development Programme on Medical Coding (TN Health apex)	06.02.2023 – 10.02.2023	Alagappa University, Karaikudi.
Organizing committee member	4 th International Conference on Recent Trends in Microbiology (RTM – 2023)	05-01.2023 – 06.01.2023	Department of Microbiology, Alagappa University, Karaikudi.
Co-organizing Secretary	2 nd National Conference on “Next Generation Technology for Sustainable Fisheries	29.03.2022 – 30.03.2022	Department of Fisheries Science and Department of Animal Health and Management, Alagappa University, Karaikudi.

Organizing Secretary	International Webinar on “Business Development Skills in the Life Science”	27.05.2020	Department of Animal Health and Management, Alagappa University, Karaikudi.
Co-Organizing Secretary	2 nd International Conference on “Molecular Physiology, Therapeutics and Experimental Medicine (MP-TEM-2019)”	24.07.2019 – 25.07.2019	Department of Animal Health and Management, Alagappa University, Karaikudi.
Organizing committee member	5 th International Day of Yoga	21.06.2019	Centre for Yoga Education and National Service Scheme, Alagappa University, Karaikudi.
Organizing committee member	4 th International Day of Yoga	21.06.2018	Centre for Yoga Education and National Service Scheme, Alagappa University, Karaikudi.
Co-Organizing Secretary	2 nd Training Programme on “Business Opportunities in Aquaculture and Vermiculture Technology”	02.03.2018 - 08.03.2018	Department of Animal Health and Management & University Business Collaboration Centre, Alagappa University, Karaikudi.

Events Participated

Number of Conferences / Seminars / Workshops: 82

Orientation / Refresher / Other Academic Programme participated:

1. Participated in the **UGC- Sponsored Online Refresher Course in Zoology** organized by **UGC- Human Resource Development Centre, Bharathiar University, Coimbatore** between 7th – 20th September 2022.
2. Participated in the **UGC- Sponsored Online Refresher Course in Zoology** organized by **UGC- Human Resource Development Centre (HRDC), University of Madras, Chennai** between 18th November – 1st December 2020.
3. Participated in the **Moodle Learning Management System** training organized by **Bannari Amman Institute of Technology in association with Spoken Tutorial Project, IIT-Bombay** on 4th May 2020
4. Participated in the three-days International Workshop on **E-content Development for MOOCs among the Faculty members** organized by **Digital Education Cell, Alagappa University, Karaikudi** between 10th – 13th September 2019.
5. Participated in the **National Service Scheme (NSS) Orientation training** organized by **Empanelled Training Institution (ETI), Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore** between 20th – 26th August 2019.

6. Participated in the **UGC – Sponsored Refresher Course in Zoology** organized by **UGC – Human Resource Development Centre, Bharathiar University, and Coimbatore** between **26th June - 3rd July 2019**.
7. Participated in the one-day workshop on **Design and Development of MOOCs for the Faculty Members of Alagappa University and Affiliated Colleges** organized by **Digital Education Cell, Alagappa University, Karaikudi** held in **8th November 2018**.
8. Participated in the **UGC – Sponsored 102nd Orientation Programme** organized by **UGC – Human Resource Development Centre, Bharathidasan University, Tiruchirappalli** between **18th May – 14th June 2018**.
9. Participated in a One week Short term Training Programme on **Research Publication and Anti-Plagiarism** organized by **Department of English and Foreign Languages & Centre for Technical and Academic Writing, Alagappa University, Karaikudi** between **9th – 15th October 2017**.
10. Participated in the Faculty Development (Enrichment) Programme **Accreditation Quality Enhancement** organized by **Internal Quality Assurance Cell, Alagappa University, Karaikudi** between **6th – 12th January 2017**.

Other Workshops / Training Programme participated:

1. Participated in the One-day National level workshop on **Patenting and Collaborations with Industries** organized by **Industry and Consultancy wing & University Business Collaboration Centre, Alagappa University, Karaikudi** held on **30th January 2023**.
2. Participated in the Training Programme on **Empowering the Change makers in Biopharma Sector** organized by **KIIT- Technology Business Incubator, Bhubaneswar** between **3rd – 5th March 2020**.
3. Participated in the one-day workshop on **Water Conservation** organized by **Jal Shakti, Alagappa University, Karaikudi** on **22nd November 2019**.
4. Participated in the Two-days National Workshop on **Indigenous Cow Management and their Value-Added Products (ICMVAP 2018)** organized by **Department of Animal Health and Management, Alagappa University, Karaikudi** during **18th & 19th December 2018**.
5. Participated in the Four-days workshop on **Commercialization Prospects of Microbial Formulates** jointly organized by **Department of Microbiology and University Business Collaboration Centre (UBCC), Alagappa University, Karaikudi** between **22nd – 25th January 2018**.
6. Participated in a Two-days Training Programme on **Business Resource of Solid Waste Management Through Vermicomposting** organized by **Department of Animal Health and Management and University Business Collaboration Centre, Alagappa University, Karaikudi** during **14th & 15th March 2017**.

7. Participated in the Short-term Training Programme on **Training and Scope of SCUBA diving** organized by **Department of Oceanography and Coastal Area Studies & University Business Collaboration Centre, Alagappa University, Karaikudi** during 15th & 16th February 2017
8. Participated in International Workshop on **Molecular Physiology Therapeutics And Experimental Medicine (MPTEM 2016)** organized by **Department of Animal Health and Management, Alagappa University, Karaikudi** during 6th & 7th September 2016.
9. Participated in the Training Programme on **Live Feed Culture Production (Artemia, Phytoplankton's & Zooplanktons, Spirulina) and Sea weed Culture and its allied industries** organized by **Department of Animal Health and Management, Alagappa University, Karaikudi** on 26th February 2016.
10. Participated in the Short-term Training Programme on **Remote Sensing and GIS for Environmental Studies** organized by **Department of Environmental Biotechnology Bharathidasan University, Tiruchirappalli** between 23rd – 25th March 2015.
11. Participated in the National Workshop on **Techniques in Animal Cell Culture and in Vitro Toxicology** organized by **Mahatma Gandhi – Doerenkamp Centre (MGDC), Bharathidasan University, Tiruchirappalli** between 18th – 27th December 2013
12. Participated in the Science Academics Lecture workshop on **Challenges in Environmental Restoration (SAWCER 2012)** organized by **Department of Environmental Biotechnology, Bharathidasan University, Tiruchirappalli** between 5th – 6th March 2012.
13. Participated in the One-day Regional workshop on **Recent Trends in University – Industry Relations** organized by **The School of Environmental Sciences, Department of Environmental Management, Bharathidasan University, Tiruchirappalli** on 16th February 2012.
14. Participated in the **GIS Training Programme on Introduction to ArcGIS Desktop 10** organized by **ESRI India** between 11th – 15th July 2011.
15. Participated in the Post Seminar Workshop on **Spatial Techniques for Environmental Sustainability** organized by **Department of Environmental Management, Bharathidasan University, Tiruchirappalli** during 17th & 18th February 2011.
16. Participated in the National Level Training Cum Workshop on **GIS and Marine Biodiversity** organized by **PG and Research Department of Advanced Zoology and Biotechnology, Loyola College, Chennai** between 26th – 29th February 2008.
17. Participated in the State Level Workshop on **Science Popularisation through Digital media** organized by **Yadava College, Madurai** between 10th – 16th December 2007.
18. Participated in the One-day Training on **Vermicomposting** organized by **Agricultural College and Research institute, Madurai** on 19th September 2006.

Conference at International Level:

1. Participated the International Virtual Conference on **Bio-inspired Materials for Bone tissue engineering and Theranostic Applications (BMBT-2020)** organized by **Centre for Nanoscience and Nanotechnology, Sathyabama Institute of Science and Technology, Chennai** between 9th & 10th November, 2020.
2. Participated in the International webinar on **Biotechnology: Application Areas and Developmental Process** organized by **Directorate of Distance Education - Biotechnology Wing, Alagappa University, Karaikudi** between 31st - 02nd June 2020.
3. Participated in the International webinar on Novel Approaches: Human Therapy and Animal Nutrition organized by **Directorate of Distance Education - Microbiology Wing, Alagappa University, Karaikudi** between 28th - 30th May, 2020.
4. Participated in the **International Virtual Seminar on the Role of Nanotechnology against COVID-19** organized by **Department of Nanoscience and Technology, Alagappa University, Karaikudi** between 20th - 22nd May, 2020.
5. Participated in the **Webinar series on Global Perspectives in Biotechnology** organized by **Department of Biotechnology, PSR Engineering College, Sivakasi** between 11th - 15th May, 2020.
6. Participated in the **International Conference on Recent Trends in Bioplastics (RTB-2019)** organized by **Department of Microbiology, Alagappa University, Karaikudi** during 9th & 10th December, 2019.
7. Participated in the **International Conference on Recent Biotechnological Innovations in Aquaculture (RBIA)** organized by **Department of Zoology, Bharathiar University, Coimbatore in association with ICAR-National Bureau of Fish Genetic Resources, Lucknow** during 27th – 28th February, 2018.
8. Participated in the Second International Conference on **Molecular Physiology, Therapeutics and Experimental Medicine (MP-TEM 2019)** organized by **Department of Animal Health and Management, Alagappa University, Karaikudi** during 24th & 25th July, 2019.
9. Participated in the International Conference on **Horizon 2019: The Epitome of Biomedical Research** organized by **Dental Research Cell – Biomedical Research Unit and Laboratory Animal Centre, Saveetha Dental College, Chennai** during 28th February & 1st March 2019.
10. Participated in the Fifth International Conference on **Nanoscience and Nanotechnology (ICONN 2019)** organized by **Department of Physics and Nanotechnology, SRM IST-India in association with Shizuoka University, Japan; National Chiao University, Taiwan; GNS Science, New Zealand; CSIR- National Physical Laboratory India; Asian Consortium on Computational Materials Science and the Institution of Engineering and Technology** between 28th - 30th January 2019.
11. Participated in the **6th World Congress on Nanomedical Sciences: Chemistry Biology Interface: Synergistic in New Frontiers (CBISNF-2019) & Science & Technology for the**

Future of Mankind organized by **Jamia Hamdard & University of Delhi** between 7th – 9th January, 2019.

12. Participated in the third International Conference on **Recent Trends in Microbiology (RTM-2019)** organized by **Department of Microbiology, Alagappa University, Karaikudi** during 24th & 25th January 2019.
13. Participated in the International Conference on **Biosciences & Bioinformatics** organized by **Department of Biochemistry, Biotechnology, Microbial Biotechnology and Bioinformatics, Bharathiar University, Coimbatore** between 14th – 16th December 2017.
14. Participated in the International Conference on **Recent Trends in Microbiology (RTM-2016)** organized by **Department of Microbiology, Alagappa University, Karaikudi** during 20th & 21st December 2016.
15. Participated in the International Conference on **Recent Trends in Biosciences (ICRTB 2016)** organized by **Biosciences Departments, Alagappa University**, between 7th - 9th April 2016.
16. Participated in the International Conference on **Dengue Scenario in India: Disease burden, surveillance and control** organized by **Centre for Research in Medical Entomology (ICMR) Madurai** during 25th & 26th July 2013.
17. Participated in the International Conference on **Advances in Biotechnology and Patenting** organized by **Department of Biotechnology and Genetic Engineering, Bharathidasan University, Tiruchirappalli** between 18th – 21st February 2013.
18. Participated in the 12th Indian Science Communication Congress (ISCC 2012) **Risk Communication & Development** organized by **Indian National Science Academy, New Delhi** between 17th – 21st December 2012.
19. Participated in the **Second Indian Biodiversity Congress** held at **Bengaluru, Karnataka** between 9th – 11th December 2012.

Conference at National Level:

1. Participated in the **ACS Science Talks on Affordable clean water using advanced materials** organized by **American Chemical Society** on 30th November, 2022.
2. Participated in the **National Conference on Recent Advances in Structural Biology** organized by **Department of Biotechnology and Microbiology, National College (Autonomous), Tiruchirappalli** during 4th & 5th November, 2022.
3. Participated in the **Online webinar on Recent Approaches and Human Genes against COVID 19** organized by **DDE Zoology wing and Department of Animal Health and Management, Alagappa University, Karaikudi** on 11th June 2020.
4. Participated in the **Live webinar on Importance of Patent and its Relevance to Academic and R&D institutions** organized by **KIIT-Technology Enabling Centre at KIIT-DU, Bhubaneswar** on 9th June 2020.

5. Participated in the **Webinar on Product Development and Prototyping** organized by **BIRAC Regional Techno-Entrepreneurship Promotion Centre (BRTC) and KIIT-DU, Bhubaneswar** on 12th May, 2020.
6. Participated in the **Webinar Series on Exploring and Understanding World Pandemics** organized by **Department of Microbiology, Ethiraj College for Women, Chennai** between 11th to 13th May, 2020.
7. Participated in the **World Animal Day Celebration – 2019** organized by **Department of Animal Health and Management, Alagappa University, Karaikudi** held on 4th October 2019.
8. Participated in the **National Seminar on Social Relationship between Microbes, Human and Environment (SRMHE-2019)** organized by **Department of Department of Biotechnology, Sri Kaliswari College, Sivakasi** during 18th & 19th July, 2019.
9. Participated in the **World Animal Day & World Habitat Day** organized by **Department of Animal Health and Management and Department of Botany, Alagappa University, Karaikudi** held on 3rd October 2018.
10. Participated in the **National Seminar on emerging trends in cancer and stem cell biology (ETCSCB-2018)** organized by **Department of Biomedical Science, Bharathidasan University, Tiruchirappalli** on 20th March, 2018.
11. Participated in the **World Animal Day Celebration** organized by **Department of Animal Health and Management, Alagappa University, Karaikudi** held on 4th October 2017
12. Participated in the **National Seminar on Nanomaterials for Specialized Applications (NMSA-2017) & World Standards Day (WSD)** organized by **Department of Nanoscience and Technology, Alagappa University, Karaikudi** during 09th & 10th February, 2017.
13. Participated in the **National Seminar on Recent Trends in Nanotechnology and Aquaculture Technologies (RTNAT-2016)** organized by **Department of Fishery Science and Aquaculture, Sri Venkateswara University, Tirupati** during 18th & 19th August, 2016.
14. Participated in the **Trends in Protein Engineering** organized by **Department of Zoology, Periyar University, Salem** on 21st November, 2013.
15. Participated in the **LAKE 2012: National Conference on Conservation and Management of Wetland Ecosystem** organized by **School of Environmental Sciences, Mahatma Gandhi University, Kottayam** in association with **Indian Institute of Science, Bangalore** and **Advanced Centre of Environmental Studies and Sustainable Development, Mahatma Gandhi University, Kottayam** between 06th - 08th December, 2012.
16. Participated in the **35th Annual Conference of Ethological Society of India (ACESI-2011) & Symposium on Chemical Signals in Animal Welfare (CSWA-2011)** organized by **Department of Environmental Biotechnology, Bharathidasan University, Tiruchirappalli** during 15th & 16th December, 2011.

17. Participated in the **National Conference on Expansion of Distance Education – Experiences and Expectations** organized by **Directorate of Distance Education, Alagappa University, Karaikudi** during 7th & 8th July, 2010.
18. Participated in the **National Conference on Environmental Pollution Management and Sustainable Development** organized by **Department of Biology, Gandhigram Rural University, Gandhigram** during 14th & 15th December, 2006.
19. Participated in the **National Symposium on Challenges of human life in the new century: Role of biotechnologists** organized by **Department of Biotechnology, Sri Kaliswari College, Sivakasi** during 16th & 17th September, 2005.
20. Participated in the **Online webinar on Recent Approaches and Human Genes against COVID 19** organized by **Directorate of Distance Education Zoology wing and Department of Animal Health and Management, Alagappa University, Karaikudi** on 11th June 2020.
21. Participated in the **Live webinar on Importance of Patent and its Relevance to Academic and R&D institutions** organized by **KIIT-Technology Enabling Centre at KIIT-DU, Bhubaneswar** on 9th June 2020.
22. Participated in the **Webinar on Product Development and Prototyping** organized by **BIRAC Regional Techno-Entrepreneurship Promotion Centre (BRTC) and KIIT-DU, Bhubaneswar** on 12th May, 2020.
23. Participated in the **Webinar Series on Exploring and Understanding World Pandemics** organized by **Department of Microbiology, Ethiraj College for Women, Chennai** between 11th - 13th May, 2020.
24. Participated in the **National Seminar on Social Relationship between Microbes, Human and Environment (SRMHE-2019)** organized by **Department of Department of Biotechnology, Sri Kaliswari College, Sivakasi** during 18th & 19th July, 2019.
25. Participated in the **National Seminar on Emerging trends in cancer and stem cell biology (ETCSCB-2018)** organized by **Department of Biomedical Science, Bharathidasan University, Tiruchirappalli** on 20th March, 2018.
26. Participated in the **National Seminar on Nanomaterials for Specialized Applications (NMSA-2017) & World Standards Day (WSD)** organized by **Department of Nanoscience and Technology, Alagappa University, Karaikudi** during 09th & 10th February, 2017.
27. Participated in the **National Seminar on Recent Trends in Nanotechnology and Aquaculture Technologies (RTNAT-2016)** organized by **Department of Fishery Science and Aquaculture, Sri Venkateswara University, Tirupati** during 18th & 19th August, 2016.
28. Participated in the **LAKE 2012: National Conference on Conservation and Management of Wetland Ecosystem** organized by **School of Environmental Sciences, Mahatma Gandhi University, Kottayam** in association with **Indian Institute of Science, Bangalore** and

Advanced Centre of Environmental Studies and Sustainable Development, Mahatma Gandhi University, Kottayam between 06th – 08th December, 2012.

29. Participated in the **35th Annual Conference of Ethological Society of India (ACESI-2011) & Symposium on Chemical Signals in Animal Welfare (CSWA-2011)** organized by **Department of Environmental Biotechnology, Bharathidasan University, Tiruchirappalli** during 15th & 16th December, 2011.
30. Participated in the **National Conference on Expansion of Distance Education – Experiences and Expectations** organized by **Directorate of Distance Education, Alagappa University, Karaikudi** during 7th & 8th July, 2010.
31. Participated in the **National Conference on Environmental Pollution Management and Sustainable Development** organized by **Department of Biology, Gandhigram Rural University, Gandhigram** during 14th & 15th December, 2006.
32. Participated in the **National Symposium on Challenges of human life in the new century: Role of biotechnologists** organized by **Department of Biotechnology, Sri Kaliswari College, Sivakasi** during 16th & 17th September, 2005.

Conference at State Level:

1. Participated in State level Seminar on **Exploring Marine Resources** organized by **Department of Oceanography and Coastal Area Studies, School of Marine Sciences, Alagappa University, Thondi Campus** held on 19th February 2016.
2. Participated in State level Seminar on **Bioinformatics** organized by **Department of PG Biochemistry and UG Microbiology** held on 8th February 2007
3. Participated in **Inter Collegiate Students Seminar** and presented a paper titled **Herbal Insecticide** organized by **Department of Botany & Biotechnology, Thiagarajar College, Madurai** held on 8th September 2006.

Membership

Professional bodies

- Life Member, National Academy of Biological Science, India.
- Life Member, The Society for Mitochondrial Research and Medicine, India.
- Member, American Chemical Society (2023), USA.

Advisory Board

Year / Period	Name of the BoS / Administrative Committee / Academic Committee	Role
2018 & 2022	Broad Based Board of Studies (BBoS) – Zoology, Alagappa University, Karaikudi	Member

2021 onwards	Affiliated College Examination, Alagappa University, Karaikudi	Squad member
2016 onwards	Directorate of Distance Education, Alagappa University, Karaikudi	University Representative
2018 onwards	Convocation committee, Alagappa University, Karaikudi	Member

Academic Bodies in Other Institutes/ Universities

Year / Period	Name of the BoS / Administrative Committee / Academic Committee	Role
2021 - 2022	Board of Studies (BoS) – Environmental Biotechnology, Alagappa University, Karaikudi	Alumni member
2022 - 2024	Question Paper setting – Bharathiar University, Coimbatore	Chairman

Ph.D. Thesis Guided

- No. of PhD Thesis evaluated : 1
- No. of PhD Public Viva Voce Examination conducted : 1

S. No	Name of the Scholar	Title of the Thesis	Year of Completion
1	Dr. Puja Patel	Molecular insights of platinum based theranostic system targeting breast cancer cell line(s)	2023

List of Research Articles / Recent Publications (2016 onwards)

S. No	Authors/Title of the paper/Journal	Impact Factor
1	Antoniraj, M. G., Dhayanandamoorthy, Y., Kumar, P. , Kandasamy, R., & Kasi, P. D. (2024). Study the anticancer efficacy of doxorubicin-loaded redox-responsive chitosan-derived nanoparticles in the MDA-MB-231 cell line. <i>Carbohydrate Research</i> , 536, 109049. https://doi.org/10.1016/j.carres.2024.109049	3.1
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Resource persons in various capacities

National Conferences	:	2
International Conferences	:	6
Invited Lectures	:	16

Date : 28.02.2024
Place : Karaikudi

Dr. P. KUMAR
Assistant Professor