

CURRICULUM VITAE

Dr. ANBURAJ RAJ, M. Sc., M. Phil., Ph.D.



OFFICIAL ADDRESS:

Associate Professor,
Department of Biotechnology,
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National College (Autonomous)
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CONTACT DETAILS

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Door No : B- 121, Theeran Nagar,
Thuraimangalam (Post),
Perambalur D.T
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Tamil Nadu, INDIA.

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anburajbm@nct.ac.in (*Office*)

Academic Media : Google Scholar, Orcid, ResearchGate, Vidwan and Loop

Specialization : Microbiology / Marine Microbiology

Website : www.nct.ac.in

ACADEMIC QUALIFICATIONS: M.Sc., M.Phil., Ph.D. (Marine Microbiology)

Degree/Certificate/ Examination	Year	University/Board	Class/Division	*OGPA/ % of marks
Ph.D. , in Marine Microbiology	2009-2012	CAS in Marine Biology (Annamalai University)	Awarded (2012)	Highly Commented
M.Phil. , in Marine Microbiology	2007-2009	CAS in Marine Biology (Annamalai University)	First Class with Distinction	8.00
M.Sc. , in Marine Microbiology	2005 – 2007	CAS in Marine Biology (Annamalai University)	First Class	6.78
B.Sc. , in Microbiology	2002-2005	Thanthai Han's Roever College. (Bharathidasan University)	First Class	67
H.S.S.C (Pure Science)	May- 2002	Moulana Hr. Sec. School, Perambalur.	First Class	62
S.S.L.C (TN-State broad)	April -2000	Moulana Hr. Sec. School, Perambalur.	First Class	65

*OGPA - Overall Grade Point Average

PROFESSIONAL AND RESEARCH POSITIONS**TEACHING EXPERINCE : 11 Years & RESEARCH EXPERIENCE: 15 Years**

POSITION	DURATION	NAME OF THE INSTITUTIONS
Distinguished Adjunct Faculty	2023-till date	Département of Physiology, Saveetha Dental Collège and Hospitals, Saveetha Institute of Médical and Technical Sciences, Chennai.
Associate Professor	2022-till Date	PG & Research Département of Biotechnology and Microbiology, National College (Autonomous), Tiruchirappalli D.T, Tamil Nadu, India.
Assistant Professor	2019-2022	PG & Research Department of Microbiology, Vivekanandha College of Arts and Sciences for Women

		Vivekanandha Educational Intuitions, Thiruchengode, Tamil Nadu.
Biology – Faculty	2018-2019	Point Academy, Trichy, Tamil Nadu.
Head & Assistant Professor	2014-2018	PG & Research Department of Microbiology, Dhanalakshmi Srinivasan College of Arts and Science, Dhanalakshmi Srinivasan Group of Intuitions, Perambalur, Tamil Nadu.
Assistant Professor	2012-2014	PG & Research Department of Microbiology, Srinivasan College of Arts and Science, Dhanalakshmi Srinivasan Group of Intuitions, Perambalur, Tamil Nadu.
Senior Research Fellow (SRF)	2011-2012	CAS in Marine Biology, Faculty of Marine Sciences, Annamalai University, Parangipettai. <i>(Studies on Genetically Superior Mangroves for Restoration and Carbon Sequestration”, sponsored by Ministry of Environment & Forests, New Delhi)</i> Duration 01.05.2011-30.04.2012
Junior Research Fellow (JRF)	2009-2011	CAS in Marine Biology, Faculty of Marine Sciences, Annamalai University, Parangipettai. <i>(Studies on Genetically Superior Mangroves for Restoration and Carbon Sequestration”, sponsored by Ministry of Environment & Forests, New Delhi)</i> Duration 01.05.2009-30.04.2011
Junior Research Fellow (JRF)	2007-2008	CAS in Marine Biology, Faculty of Marine Sciences, Annamalai University, Parangipettai. <i>(Detailed Study on the mangrove habitats in GOMBRT” sponsored by Gulf Of Mannar Biosphere Reserve Trust)</i> Duration 17.07.2007-31.06.2008

OTHER QUALIFICATIONS: 05 Diploma & 43 Certificate Course

S. No	Diploma/ Certificate	Name of the Course	Year	Name of Institutions'	Marks Obtained (%)
1.	Certificate	Nanotechnology in Agriculture	2019	NPTEL-IIT-Chennai.	40
2.	Diploma	Diploma in Ecology Studies	2020	Alison, Ireland.	87
3.	Diploma	Diploma in Environmental Management	2020	Alison, Ireland.	87
4.	Diploma	Diploma in Environmental Quality Monitoring and Analysis	2020	Alison, Ireland.	85
5.	Diploma	Diploma in Health Studies	2020	Alison, Ireland.	91
6.	Diploma	Diploma in Food Safety	2020	Alison, Ireland.	91
7.	Certificate	Bacterial-Genomes-Comparative Genomics using ACT	2020	University of Cambridge, United Kingdom.	76
8.	Certificate	Bacterial-Genomes-Antimicrobial Resistance in Bacterial Pathogen	2020	University of Cambridge, United Kingdom.	76
9.	Certificate	The Science of Medicine	2020	Monash University, Australia.	76
10.	Certificate	Global Biosecurity for one Health	2020	Murdoch University, Australia.	87
11.	Certificate	Introduction to Psychology- Sensation and Perception	2020	Monash University, Australia.	80
12.	Certificate	COVID-19: Psychological First Aid	2020	Public Health, England	86
13.	Certificate	Bushfires: Response, Relief and Resilience	2020	The University of Newcastle, Australia.	Nil
14.	Certificate	Managing Mental Health and Stress	2020	Coventry University, United Kingdom.	Nil
15.	Certificate	Social Change: How can Marketing Help	2020	Griffith University, Australia.	Nil

16.	Certificate	Safeguarding Adults Level 3 Training	2020	Health Education, England	Nil
17.	Certificate	COVID-19: Tackling the Novel Coronavirus	2020	University of London, United Kingdom.	Nil
18.	Certificate	COVID-19: Effective Nursing in Times of Crisis	2020	Johns Hopkins University, United States.	Nil
19.	Certificate	COVID-19: Helping Young People Manage Low Mood and Depression	2020	University of Reading, United Kingdom.	Nil
20.	Certificate	An Examination of Coronavirus COVID-19	2020	St. George's University. West Indies.	Nil
21.	Certificate	Human Health - Diet and Nutrition	2020	Alison, Ireland.	100
22.	Certificate	HIV/AIDS - Awareness & Prevention	2020	Alison, Ireland.	100
23.	Certificate	Introduction to Ecology	2020	Alison, Ireland.	80
24.	Certificate	Coronavirus - What you need to know	2020	Alison, Ireland.	80
25.	Certificate	Food Safety and Hygiene in the Catering Industry	2020	Alison, Ireland.	84
26.	Certificate	Principles of Occupational Health and Safety Management Systems	2020	Alison, Ireland.	80
27.	Certificate	Human Resources in the Food Service and Hospitality Sector	2020	Alison, Ireland.	80
28.	Certificate	Swine Flu - Causes, Effects and Treatment.	2020	Alison, Ireland.	80
29.	Certificate	Ebola Virus: History, Treatment and Prevention	2020	Alison, Ireland.	84
30.	Certificate	Sustainability and Climate Change	2020	Alison, Ireland.	90
31.	Certificate	Global Health Initiative: Hepatitis C Awareness	2020	Alison, Ireland.	90

32.	Certificate	Global Health Initiative: Malaria Awareness	2020	Alison, Ireland.	90
33.	Certificate	Ecology Studies - Ecosystem Ecology	2020	Alison, Ireland.	92
34.	Certificate	Ecology Studies - Conservation Biology and Biodiversity	2020	Alison, Ireland.	84
35.	Certificate	Human Health - Global Health Issues	2020	Alison, Ireland.	100
36.	Certificate	Introduction to Environmental Sustainability	2020	Alison, Ireland.	80
37.	Certificate	Introduction to Biomedical Research	2020	Alison, Ireland.	84
38.	Certificate	Introduction to the Cardiovascular System	2020	Alison, Ireland.	87
39.	Certificate	Environmental Management Studies	2020	Alison, Ireland.	80
40.	Certificate	Professionalism in the Office	2020	Alison, Ireland.	93
41.	Certificate	Carono Virus- What you need to Know	2020	Alison, Ireland.	NIL
42.	Certificate	Turn climate anxiety into positive action	2020	Samsung Electronics, UK	NIL
43.	Certificate	Introduction to Applied Ecology	2021	Alison, Ireland.	94
44.	Certificate	Introduction to Food Processing and Preservation	2021	Alison, Ireland.	80
45.	Certificate	Growing Organic Food Sustainably	2021	Alison, Ireland.	100
46.	Certificate	Vaccines and the Immune System	2021	Alison, Ireland.	100
47.	Certificate	Biotechnology - Cell Biology Techniques	2021	Alison, Ireland.	93
48.	Certificate	Hospitality Management Studies - Food and Beverage Services	2022	Alison, Ireland.	96

PROFESSIONAL POSITIONS HELD

NAME OF THE COLLEGE	ACADEMIC YEAR	PROFESSIONAL POSITIONS
SCAS	2014 – 2015	Department Association In-charge
SCAS	2015 – 2016	Department Placement Coordinator
SCAS	2016 – 2018	Assistant Placement Officer
SCAS	2017—2018	Eureka Quiz Club Coordinator
SCAS	2017—2018	Nodal Officer (ELC)
VICAS	2019—2020	<ol style="list-style-type: none"> 1. Department Placement Coordinator 2. Department Certificate Course Coordinator 3. Department NACC-Criterion VI Coordinator
VICAS	2020-2021	<ol style="list-style-type: none"> 1. BOS-PG Board Member 2. Department Placement Coordinator 3. KSD-Certificate Course Coordinator 4. Department NACC-Criterion III Coordinator 5. Department NACC-Criterion VI Coordinator 6. Coordinator of Department Internal Quality Assurance Cell 7. Research & Development Coordinator 8. Coordinator of Institutions Innovation Council- MoEs
VICAS	2021-2022	<ol style="list-style-type: none"> 1. BOS-PG Board Member 2. Coordinator of Department Internal Quality Assurance Cell 3. Research & Development Coordinator 4. Department NAAC-Criterion III- Coordinator 5. MS University-Certificate Course Coordinator 6. Coordinator of Institutions Innovation Council- MoEs

		7. Department Placement Coordinator 8. Chief Coordinator of IPR cell 9. NAAC-Criterion III-Key Indicator (3.4)
NCT	2022-2023	1. Coordinator of Department Internal Quality Assurance Cell 2.NAAC- Coordinator
NCT	2023-2024	1. Coordinator of Department Internal Quality Assurance Cell 2. NAAC- Coordinator 3. Department Association -Vice President 4. Coordinator of National College Culture Collection Center (NCCCC) 5.Board of Studies (BOS) in Microbiology and Biotechnology- Board Member

RESEARCH FINDINGS

Ph.D., in Marine Microbiology:

- Ph.D., Thesis entitled “**Studies on marine Cyanobacteria (Chroococcales) isolated from mangrove biotope for their possible utility**” during the period 2009 – 2012, under the supervision of **Prof.K. Kathiresan, D.Sc.**, Dean and Director, CAS in Marine Biology, Annamalai University, Parangipetteai. Tamil Nadu, India.

M. Phil.,in Marine Microbiology:

- M. Phil., dissertation entitled “**Effect of rhizobacteria on salinity induced changes in *Sesuviumportulacastrum L.***”during the period 2007– 2009, under the supervision of **Dr. T. Sivakumar**, Assistant Professor, Co-Guide **Prof.K. Kathiresan, D.Sc.**, Dean and Director CAS in Marine Biology, Annamalai University, Parangipetteai. Tamil Nadu, India.

M.Sc., in Marine Microbiology:

- M.Sc., dissertation entitled “**Studies on antimicrobial properties of bivalves**” during the period 2005– 2007, under the supervision of **Dr. P.Murugesan**, Associate professor, CAS in Marine Biology, Annamalai University, Parangipetteai. Tamil Nadu, India.

AREA OF RESEARCH

- Marine Microbiology
- Marine Cyanobacteria
- Mangrove Ecology
- Nano Biomaterials
- Environmental Biotechnology

I have board range of research experience few of my research studies are:

- Enumeration marine cyanobacteria in soil, water and decomposing leaves of mangroves and relating them to physical, chemical and other microbial aspects;
- Isolation, and identification unicellular species of the group Choorococcales based on morphological and 16S r RNA sequence studies;
- Analyses biomass production of dominant cyanobacterial species for optimizing the cultural conditions using statistical model; and,
- Studies on the possible applications of the cyanobacteria in dye degradation, removal of calcium and toxic heavy metals, nanoparticle synthesis, antioxidant and antimicrobial activities.

RESEARCH SUPERVISION / GUIDANCE

PROGRAM OF STUDY		COMPLETED	ONGOING
Projects	PG	20	04
	UG	02	-

RESEARCH PROJECTS DETAILS

- **Dr. R.Anburaj. 2020. (Students Projects).** Eco-friendly synthesis of Nanoparticles by Biogenic Processes using Agro and Aqua Wastes and assessment of their efficiency in medicinal & environmental application.Rs.10,000/-. **VICAS-Seed Money- Completed..**

- **Dr. R.Anburaj. 2021. TNSCST (Students Projects).** Immobilized Microalgal technology: An novel and eco-friendly approach to remove aquaculture wastewater with a zero-waste concept. RS.7,500/- (ES-012)- **Completed.**

HONOURS, AWARDS AND FELLOWSHIPS: 17

- **Best Researcher Award** – National Conference EOCMAA & MBCSUM organized by Vivekanandha Arts and Science College for Women, Sankakiri, Tamilnadu, Sponsored by ICAR & MoES, India **16.03.2024.**
- **Distinguished Adjunct Faculty**, Département of Physiology, Saveetha Dental Collège and Hospitals, **Saveetha Institute of Médical and Technical Sciences**, Chennai.**22.11.2023.**
- **Senior Innovator Award** – SCI TECH-2023, G. Venkataswamy Naidu College Sponsored TNSCST, NCST, MBSI & TNSF, Tamilnadu, India. **08.09.2023.**
- **Best Scientific Research Patent Award** -National Faculty Awards 2022-23 Noval Research Academy (NRA) Pudhucherry, India, **01.06.2023.**
- **Award for Excellence & Innovation in Research & Academics** by Research Education Solutions MSME, Government of India,UP, India,**19.12.2021.**
- **Best Senior Faculty Award** by National Faculty Awards -Noval Research Academy (NRA) Pudhucherry, India,**03.08.2021.**
- **Distinguished Scientist Award** by International Research Awards- **Elsevier SSRN-IJEMER**, Vijayawada, India, **20.12.2020.**
- **Best Senior Scientist Award** by Noval Research Academy (NRA) Pudhucherry, India,**10.11.2020.**
- **HarGobind KhoranaBest Young Scientist Award** by Bose Science Society (BSS) sponsored by Tamilnadu Scientific Research Organization (TNSRO),Tamilnadu, India,**28.02.2020.**
- **Fellow of Bose Science Society (FBSS)** Sponsored by Tamilnadu Scientific Research Organization (TNSRO),Tamilnadu,India, (**Fellowship No:F666/BSS/2019**).**05.10.2019.**
- **Best Presentation Award** by Sri Vinayaga College of Arts and Science, Ulundurpet. **2016.**
- **Awarded a Science Academies Faculty Summer Research Fellow** by Indian Academy Sciences (IAS), Bangaluru. **2016. Not Availed.**

- **Awarded a Post Doctoral Fellow (PDF)** by University Grants Commission-UGC (Govt.of India), New Delhi. **2012. *Not Availed.***
- **Senior Research Fellow (SRF)** by Ministry of Environment & Forests (MoES), New Delhi, India during **2011-2012.**
- **Junior Research Fellow (JRF)** by Ministry of Environment & Forests (MoES), New Delhi,India during **2009-2011.**
- **Junior Research Fellow (JRF)** by Gulf Of Mannar Biosphere Reserve Trust (GOMBRT) during **2008-2009.**
- **DAAD Fellow** -German Academic Exchange Service (DAAD) by Leibniz University, Hannover, Germany. **2009.**

GUIDESHIP / APPROVAL

- Received Eligibility approval for Assistant Professor in Marine Microbiology by *Bharathidasan University*, Tiruchirappalli as per UGC norms and Regulations **10.12.2013.**

EXTERNAL EXAMINAR

- I appointed as External Examiner to Evaluate the M.Phil dissertation and conduct the Viva- Voce on 26.03.2018 at the Department of Microbiology in *Thanthai Hans Roever College (Autonomous)*, Perambalur.
- External Examiner of *Periyar University* affiliated colleges
- External Examiner of *Bharathidasan University* affiliated colleges.

QUESTION PAPER SETTER

- Question Paper Setter- B.Sc., and M.Sc., Microbiology, *Annamalai University*, Chidambaram.
- Question Paper Setter- B.Sc., and M.Sc., Microbiology, *Dr. NGP Arts and Science College (Autonomous)*, Coimbatore.
- Question Paper Setter- B.Sc., and M.Sc., Microbiology, *AVS College of Arts and Science (Autonomous)*, Salem.
- Question Paper Setter- B.Sc., and M.Sc., Microbiology, *Dhanalakshmi Sircivasan College of Arts and Science (Autonomous)*, Perambalur.
- Question paper Scrutiny Committee- B.Sc., and M.Sc., Microbiology, *Srimad Andavan Arts and Science College (Autonomous)* Tiruchirappalli,

ACADEMIC BODIES- Board of Studies (BoS)

- Member – Board of Studies in Microbiology, **Vivekanandha College of Arts and Sciences for Women (Autonomous)**, Elayampalayam, Tiruchengode.
- Member – Board of Studies in Microbiology, Biotechnology, **National College (Autonomous)**, Tiruchirappalli.

MEMBERS IN PROFESSIONAL BODIES

- **Member in** Microbiologist Society India- MS/AM/123-**2023**.
- **Member in** European Federation of Biotechnology, Spain-**2021**.
- **Senior Member in** The Hong Kong Chemicals, Biological and Environmental Engineering Society HKCBEES- 101820-**2021**.
- **Member in** The Microbiology Society- London, UK-C037718-**2021**.
- **Member in** International Economics Development and Research Center- 30080613-**2021**
- **Member in** The Asian Society of Researchers- R219093174-**2020**.
- **Member in** The Asian Federation of Biotechnology-**2020**.
- **Associate Member in** International Association of Innovation Professionals-5052-**2020**.
- **Member in** Chinese Society for Environmental Sciences11234-**2020**.
- **Member in** International Association for Agricultural Sustainability-**2020**.
- **Member in** Institute for Engineering Research and Publication-PM48325107-**2020**.
- **Senior member in** Institute of Research Engineers and Doctors -SNM202005201-**2020**.
- **Life Member in** of Bose Science Society-**2019**.
- **Member in** International Association of Advanced Materials-846101914502-**2019**.
- **Member in** Healthcare & Biological Sciences Research Association- M19452-**2019**.
- **Member in** Teaching and Education Research Association-**2019**.
- **Member in** World Academy of Science, Engineering and Technology-**2019**.
- **Member in** Scientific & Technical Research Association, STRA-M19802-**2019**.

REVIEWER IN SCIENTIFIC COMMUNITIES

1. Reviewer: Current Research in Microbial Sciences- Elsevier, New York-US.
2. Reviewer: Aquatic Microbiology, Frontiers, Switzerland.
3. Reviewer: International Journal of Microbiology and Biotechnology-USA.
4. Editorial Board: International Journal of Applied Agricultural Sciences- USA.
5. Reviewer: International Journal of Creative Research Thoughts (IJCRT), India.
6. Editorial Board: Indian Journal of Advanced Zoology (IJAZ), India.
7. Editorial Board: Indian Journal of Advanced Botany (IJAB), India.
8. Editorial Board: International Journal of Basic Sciences & Applied Computing, India.
9. Reviewer: Indian Journal of Applied Research-(IJAR), India.
10. Reviewer: Paripex-Indian Journal of Research- (PIJR), India.
11. Reviewer: International Journal of Scientific Research-(IJSR), India.
12. Reviewer: Global Journal for Research Analysis –(GJRA), India.
13. Reviewer: International Journal of Modern Science and Research Technology IJMSRT.

PROFILE ID IN SCIENTIFIC COMMUNITIES

 **Google Scholar Id:** <https://scholar.google.co.in/citations?user=6EkQf34AAAAAJ&hl=en>

 **VIDWAN**
Expert Database of National Researcher's Network

Vidwan-ID : 92869 : <https://vidwan.inflibnet.ac.in/profile/92869>

 **ResearchGate Id:** <https://www.researchgate.net/profile/Dr-R-Anburaj>

 **ORCID Id:** <https://orcid.org/0000-0001-7043-5366>

 **LINKEDIN ID :** <https://www.linkedin.com/in/dr-anburaj-raj-56447633>

 **LOOP ID:** <https://loop.frontiersin.org/people/1362579/network>

OVERSEAS EXPOSURE / VISITS

❖ GERMANY

PUBLICATIONS

NUMBER OF RESEARCH PUBLICATIONS

❖ International Journals	: 11
❖ National Journals	: 07
❖ Book Chapters	: 06
❖ Novel genomic sequence-GenBank- NCBI	: 20
❖ Patents Details- National	: Published : 09 Granted : 01

Cumulative Impact Factors (as for JCR)	39.839
H-Index	10
I-Index	11
Total Citations	952

LIST OF PUBLICATIONS-16

1. N.Annamalai, **R.Anburaj**, S.Jeyalakshmi and R. Thavasi. **2007**. Antibacterial activities of green mussel (*Pernaviridis*) and edible oyster (*Crassostreamedrasensis*). *Research Journal of Microbiology*2 (12): 978-982. <https://doi.org/doi=jm.2007.978.982>.
2. Asmathunisha, K. Kathiresan **R. Anburaj** and M. A. Nabeel. **2010**. Synthesis of antimicrobial silver nanoparticles by callus and leaf extracts from salt marsh plant, *Sesuvium portulacastrum* L.*Colloids and Surfaces B: Biointerfaces*, 79 (2): 488-493. **(IF:5.268)**. <https://doi.org/10.1016/j.colsurfb.2010.05.018>
3. K. Kathiresan, K. Saravanakumar, **R. Anburaj**, V. Gomathi, G. Abirami, Sunil Kumar Sahu and S. Anandhan, **2011**. Microbial enzyme activity in decomposing leaves of mangroves. *International Journal of Advanced Biotechnology and Research*, 2 (3): 382-389. <https://bipublication.com/files/IJABRv2i32011011.pdf>.
4. **Anburaj Raj***, Saravanakumar Kandasamy, Gomathi Venugopal, Yuvaraj Jayabalan, Kathiresan Kandasamy, **2011**. Calcium removal from aqueous solution by marine cyanobacterium, gloeocapsa species: adsorption kinetics and equilibrium studies. *International Journal of Pharmaceutical Application*.2 (3): 195-201.

<https://bipublication.com/files/IJPAv2i3201108.pdf>

5. **R. Anburaj**, M. A. Nabeel, T. Sivakumar, K. Kathiresan. **2012**. The Role of rhizobacteria in Salinity Effects on Biochemical Constituents of the Halophyte *Sesuviumportulacastrum*. *Russian Journal of Plant Physiology*, vol 59 (1):115-119. **(IF:1.419)**. <https://doi.org/10.1134/S1021443712010025>.
6. K. Kathiresan, **R. Anburaj**, K.Saravanakumar, V. Gomathi, **2013**. Carbon sequestration potential of *Rhizophoramucronata* and *Avicenniamarina* as influenced by age, season, growth and sediment characteristics in southeast coast of India. *Journal of coastal conservation*.17: 397-408. **(IF:2.2)**. <https://doi.org/10.1007/s11852-013-0236-5>.
7. KandasamyKathiresan,VenugopalGomathi,**Raj Anburaj**,KandasamySaravanakumar. **2014**. Impact of mangrove vegetation on seasonal carbon burial and other sediment characteristics in the Vellar-Coleroon estuarine complex, India. *Journal of forestry research*. 24 (4): 787-794. **(IF:3.0)**. <https://doi.org/10.1007/s11676-014-0526-2>.
8. K. Kathiresan, K.SaravanaKumar, **R.Anburaj** and V.Gomathi, **2016**. A simple method for assessing mangrove forest based on young plants and sesarmid crab holes.*Regional Studies in Marine Science*7, 204-210.**(IF:2.166)**. <https://doi.org/10.1016/j.rsma.2016.07.003>.
9. K.SaravanaKumar, **R.Anburaj** and V.Gomathi and K. Kathiresan. **2016**. Ecology of soil microbes in a tropical mangrove forest of south east coast of India. *Biocatalysis and Agricultural Biotechnology*8, 73-85. **(IF:4)**. <https://doi.org/10.1016/j.bcab.2016.08.010>.
10. N. Asmathunisha, **R.Anburaj**andK. Kathiresan. **2018**. Silver and Gold Nanoparticles by Mangrove-Derived Cyanobacteria. *Journal of Advances in Nanomaterials* 3 (3) 37-43. <https://doi.org/10.22606/jan.2018.33001>.
11. K. Kathiresan, K.SaravanaKumar, Asmathunisha, **R.Anburaj** and V.Gomathi.**2018**. Biochemical markers for carbon sequestration in two mangrove species *Avicennia marina* and *Rhizophoramucornata*. *Beni-Suef University Journal of Basic and Applied Sciences* 7, 773-779. **(IF:3.07)**. <https://doi.org/10.1016/j.bjbas.2018.10.003>.
12. **R.Anburaj***, K. Kathiresan, G. RoselineJebaPriya. **2020**. Molecular Identification of Marine Cyanobacterium- Phormidium ARKK2 from Mangrove Environment. *International Journal of Creative Research Thoughts (IJCRT)*, 8 (10), 902-910. ISSN: 2302-2882. http://ijcrt.org/viewfull.php?&p_id=IJCRT2010121.

13. **R.Anburaj***, G. RoselineJebaPriya, N. Asmathunisha and K. Kathiresan. **2020**. Antibacterial Activity of Mangrove-Derived Marine Cyanobacteria. *International Journal of Scientific Research and Engineering Development*.3, (2) 542-550. ISSN: 2581 – 7175. <http://www.ijred.com/volume3/issue2/IJSRED-V3I2P82.pdf>.
14. G. RoselineJebaPriya, **R.Anburaj***, S.Kanmani, C. Ravinder Singh. **2020**. "In vitro antimicrobial activity and phytochemical analysis of ethanolic leaf extract of Rosemarinusofficinalis L." *International Journal of Innovative Engineering and Management Research*. Vol 09 (12), 571-580.ISSN:2456-5083. **(IF:7.812)** <https://www.ijiemr.org/public/uploads/paper/586741609209375.pdf>.
15. T A Sathya, **R. Anburaj**, Angelina. **2022**. Extraction of Bioactive Compounds from Niger Seed and The Detection Of Their Antimicrobial Activity Against The Pathogenic Microbes. *International Journal of Food and Nutritional Sciences*. Vol.11 (12),8249-8259. **(IF: 7.832)**. <https://www.ijfans.org/uploads/paper/5335720ace5a720b108232df1e92e952.pdf>.
16. **R.Anburaj***, G. Roseline JebaPriya, P. Santhanam, K. Kathiresan, M.S.Md. Jaabir. **2024**. Cyanobacteria: Symbiosis with the Sea - A Mini-Review on their Role in Advancing the Blue Economy. *Significances of Bioengineering & Biosciences*. Vol.6 (6) **(IF.3.126)**. <https://doi.org/10.31031/SBB.2024.06.000645>. <https://crimsonpublishers.com/sbb/fulltext/SBB.000645.php>
***Corresponding Author**

BOOK CHAPTERS- 06

1. **R.Anburaj***, G.RoselineJebapriya and K. Kathiresan. **2017**. Biosorption of Cadmium by Mangrove - Derived Cyanobacteria (*Gloeocapsasp* ARKK3). *Statistical Approaches on Multidisciplinary Research*,Surragh Publishers, India, Vol: 1, PP.82-94. ISSN: 2349-4891. <https://doi.org/10.5281/zenodo.262970>.
2. **R.Anburaj***, G.RoselineJebapriya, K.Saravanakumar, K. Kathiresan. **2020**. Bioremoval of Lead by Mangrove-Derived Cyanobacteria (*Synechococcuselangatus* ARKK1). *Global Environmental Governance, Policies and Ethics*,Immoral Publications, India, Vol: 2, PP. 13-31. ISBN: 978-93-5419-920-2.
3. **R.Anburaj***, G.RoselineJebapriya, K. Kathiresan. **2021**. Enhancement of Textile Dye Degradation by Mangrove-Derived Cyanobacteria (*Phormidium*ARKK2). *Health, hygiene, sanitation and Environment at pandemic times*, Immoral Publications, India, Vol: 1,

PP.63-69. *ISBN: 978-93-5457-589-1.*

4. **R.Anburaj***, K.Kathiresan,G.RoselineJebapriya. **2022.** Molecular Characterization of Unicellular Cyanobacteria Isolated from Mangrove Biotope. *Recent trends in life Sciences. Scientist R Academy Bangalore, India, Vol: 1*, PP. 43-52.*ISBN:978-93-5593-624-3.*
5. **R.Anburaj***, G.RoselineJebapriya, MA. Nabeel, K.Kathiresan, K.Arun. **2023.** Ecology and Biotechnological Applications of Marine cyanobacteria: A review. **Algal, Fungal and Microbial Research, Genic Books Publishers Pvt. Ltd, UP, India, Vol: 1**, PP. 255-265. *ISBN: 978-81-96637-63-7.*
6. **R.Anburaj***, K.Kathiresan, C.Prasannakumar, M.S.Mohamed Jaabir, K.Arun. **2024.** Exploring the Depths: A Comprehensive Review of Marine Algae. *Recent Trends in Algae and Seaweeds. Scieng Publications. Tamilnadu, India and USA. PP. 176-187. ISBN: 978-93-94766-96-9.*

PATENT DETAILS : 10

1. Dr. L Ramkumar,Dr.R Jagadeesan, S Indumathi, **Dr.R Anburaj**, Dr. K Selvanayaki, K Suvetha, K S Shanmugam, T Umamaheswari. 2024. *Creating A Nourishing Milkshake Using Drumstick Pods And Cow Milk.* The Patent Office Journal No.18/2024. 03.05.2024 (*Patent No. 2024410324141 A*)
2. **Dr. R. Anburaj**, Dr. Adesh Kumar, M. Malinidevi and Dr. Aruna Kumari Nakkella **2023.** *Metallic Nano membrane water filtration device.* The Patent Office Journal No.34/2023. 25/08/2023. (*Design No:383703-001*).
3. Dr. Aruna Kumari Nakkella, Dr. Vishnu Kiran **Dr. R. Anburaj** and Dr. J. Senthil. **2022.** *Nanotechnology based Antimicrobial Bandage dispensing Instrument.* The Patent Office Journal No.11/2022. 18/03/2022. (*Design No:356422-001*).
4. Dr. Kumaravel, Dr. B.T. Sureshkumar, Dr. S.Sampathkumarand **Dr.R. Anburaj. 2022. Lemon based Disinfectant floor Cleaner.** The Patent Office Journal No.3/2022. 21/01/2022. (*Patent No: 202241000929*).
5. Dr. Kumaravel, Dr. B.T. Sureshkumar, Dr. S.Sampathkumar, Dr. P. Durairajand, **Dr.R. Anburaj. 2022. Natural Lemon based Dishwash Gel.** The Patent Office Journal No.3/2022. 21/01/2022. (*Patent No: 202241000930*).
6. Dr. Kumaravel, Dr. B.T. Sureshkumar, S.Sampathkumar, Dr. R. Jagatheesan and

- Dr.R. Anburaj.** 2022. *Neem and Aloe Vera Extract Incorporated Hand Sanitizer*. The Patent Office Journal No.3/2022. 21/01/2022. (Patent No: 202241000931).
7. Dr. Kumaravel, Dr. B.T. Sureshkumar, S.Sampathkumar and **Dr.R. Anburaj.** 2022. *Orange peel Extract Incorporated Liquid Hand Wash*. The Patent Office Journal No.3/2022. 21/01/2022. (Patent No: 202241000932 A).
 8. Dr. Kumaravel, Dr. B.T. Sureshkumar, S.Sampathkumar, Dr.R.Jagatheesan and **Dr.R. Anburaj.** 2022. *Disinfectant Toilet Cleaner Enriched with Lemon Peel Extract*. The Patent Office Journal No.3/2022. 21/01/2021. (Patent No: 202241000933 A).
 9. Dr. VishnuKiranManam, Prof.B.Muniswamy, PuliKalpana, Dr.Dharmasoth Rama Devi , Dr.ArunaKumari Nakkella, **Dr.R.Anburaj**, Dr.D.Jayarajan. 2021. *Halmenia porphyroides based Biosynthesized Nanoparticle composition for Anti-tumor activity*. The Patent Office Journal No.45/2021. 05/11/2021. (Patent No: 202141048604 A).
 10. Dr. Aruna Kumari Nakkella, Dr. Surendra Kumar, Dr. SantoshKarajgi, Dr. Parvathi, **Dr.R. Anburaj.** 2020. *Application of Marine Based Minerals as Food Supplements*. The Patent Office Journal No.5/2020. 11/12/2020. (Patent No: 202041052199 A).

GENBANK SUBMISSION-NCBI- 10

1. **R.Anburaj**, R. RoselineJebapriya, R.Atchaya and A.Saranya **2018**. Pseudomonas aeruginosa strain EMSB 21 16S ribosomal RNA gene, partial sequence. Accession no MH001386. Bacterium isolated from the Estuary Mangrove sediment of Porto Novo, India.
2. **R.Anburaj**, R. RoselineJebapriya, R.Atchaya and A.Saranya. **2018** .Serratia liquefaciens strain EMSB 9 16S ribosomal RNA gene, partial sequence. Accession no MH001385. Bacterium isolated from the Estuary Mangrove sediment of Porto Novo, India.
3. **R.Anburaj**, R. RoselineJebapriya and Geetha.I. **2017**. Bacillus pumilus strain ES13 16S ribosomal RNA gene, partial sequence. Accession no KY754576. Cellulolytic bacteria from estuarine sediment of Vellar Estuary, Porto Novo, Tamil Nadu.
4. **R.Anburaj**, R. RoselineJebapriya and Geetha.I. **2017**. Penicillium citrinum strain MS11 internal transcribed spacer 1, partial sequence Accession no KY754577. Ligninolytic fungi from Mangrove sediment of Vellar Estuary, Porto Novo, Tamil Nadu.
5. **R.Anburaj** and K.Kathiresan. **2012**. Synechococcus elongatus ARKK1 16S ribosomal RNA gene, partial sequence. Accession no JN998126. Molecular identification of marine cyanobacteria from mangrove environment.

6. **R.Anburaj** and K.Kathiresan. **2012**. Phormidium sp. ARKK2 16S ribosomal RNA gene, partial sequence. Accession no JN998127. Molecular identification of marine cyanobacteria from mangrove environment.
7. **R.Anburaj** and K.Kathiresan. **2012**. Gloeocapsa sp. ARKK3 16S ribosomal RNA gene, partial sequence. Accession no JQ040263. Molecular identification of marine cyanobacteria from mangrove environment.
8. Senthilraja,P., Kathiresan,K., Prakash,M., Pradhap,M., Sarvanakumar,K., **Anburaj, R.** and Gomathi,V.**2011**. Candida sp. enrichment culture clone MPSR03 18S ribosomal RNA gene, partial sequence. Accession no JF292451.
9. Senthilraja,P., Kathiresan,K., Prakash,M., Pradhap,M., Sarvanakumar,K., **Anburaj, R.** and Gomathi,V.**2011**. Candida sp. enrichment culture clone MPSR01 18S ribosomal RNA gene, partial sequence. Accession no JF292449.
10. Senthilraja,P., Kathiresan,K., Prakash,M., Pradhap,M., Sarvanakumar,K., **Anburaj, R.** and Gomathi,V.**2011**. Debaryomyces sp. enrichment culture clone MPSR02 18S ribosomal RNA gene, partial sequence. Accession no JF292450.

FDP AND INPLANT TRAINING ATTENDED: 30

S.NO.	ORGANIZATION	DURATION	DETAILS OF TRAINING
1.	Leibniz University, Hannover, Germany.	<i>21 June – July 04, 2009</i>	<i>Studies and Research on Sustainability in Agriculture</i>
2.	GEER Foundation,Gujarat.	<i>1 – 5th April, 2010</i>	<i>Conservation and Management of Mangroves</i>
3.	Life Teck Research Centre, Chennai.	<i>10- 19th May, 2010</i>	<i>Molecular Techniques</i>
4.	Bharathidasan University, Trichy.	<i>14- 25th, March,2011</i>	<i>Short term training on advanced research techniques</i>
5.	Bharathidasan University, Trichy.	<i>12-13th July, 2014</i>	<i>UGC sponsored short term course on quality research proposal</i>
6.	Infosys and IBM, Mysore	<i>23-31th July, 2019</i>	<i>FDP- Global Business</i>

			<i>Foundation Skill</i>
7.	RathhnavelSubramaniam College of Arts and Science, Coimbatore	22-24 th April 2020	<i>FDP-Recent Trends in Artificial Intelligence and Impact on Teaching Professionals</i>
8.	SNMV College of Arts and Science, Coimbatore	11-15 th May, 2020	<i>FDP-Open Source Management System</i>
9.	Vivekanandha College of Engineering for Women, Tiruchengode.	13-20 th May, 2020	<i>FDP-Insights into Quality Research and Innovation</i>
10.	Sri Guru TeghBahadurKhalsa College,Japalpur,MadyaPradesh.	16-20 th May, 2020	<i>FDP-Emerging Trends in Teaching Technology</i>
11.	RajapalayamRajus' College, Rajapalayam	28 th May, 2020	<i>FDP-Education - Past, Present &Future</i>
12.	National College (Autonomous), Tiruchirappalli	10 th June, 2020	<i>FDP</i>
13.	Government Arts College, Tiruchirappalli	13 th June, 2020	<i>FDP- Funding Schemes and Patenting Scientific Innovations</i>
14.	Pacific Academy of Higher Education & Research University, Udaipur.	10-15 th June, 2020	<i>FDP cum Workshop- Quantitative Methods for Research</i>
15.	Sri Venkateswara College of Engineering	10-14 th June,2020	<i>FDP-Mechanical Behaviour of Advanced Materials & Its Scope for Engineering Applications</i>
16.	Kalasalingam Academy of Research and Education	26-02 nd July, 2020	<i>FDP-Emerging Trends in Business and Society</i>
17.	K.S.Rengasamy college of Arts and Scinces,Tiruchengode	08-10 th July, 2020	<i>FDP-Responsibilities of Microbiology in Combating Pandemic Diseases</i>

18.	Oriental College of Technology, Bhopal.	25-26 th July, 2020	<i>FDP-IT Infrastructure and Cyber Security</i>
19.	Bharathiyar University Coimbatore.	27-31 st July, 2020	<i>FDP-Industry 4.0 Technologies for Non-Computing Disciplines</i>
20.	Dr. B.R. Ambedkar University, Delhi.	16 Nov-07 Dec, 2020	<i>FDP-Adapting to Online Teaching Learning Technologies</i>
21.	Mohamed Sathak College of Arts and Science	24 March, 2021	<i>FDP-Contribution of IT Sector in Banking Industry</i>
22.	IIMT College of Pharmacy	01 May, 2021	<i>FDP-National Education Policy and Its Impact on Pharmacy Education System</i>
23.	Ministry of Education – Innovation Cell, Delhi.	30 June- 30 July, 2021	<i>Innovation Ambassador Training</i>
24.	Mahatma Gandhi Institute of Technology, Hyderabad.	09-13 th August, 2021	<i>FDP-Materials for Photonic Applications</i>
25.	Sathyabama Institute of Science and Technology, Chennai.	22-26 th March, 2022	<i>FDP-Sustainability Conservation & Protection of Water Resources</i>
26.	Sri Krishna College of Engineering and Technology, Coimbatore.	26-28 th October, 2022	<i>FDP-Intelligent Computing for Next Generation Embedded IoT</i>
27.	National College (Autonomous) Tiruchirappalli	05-12 th June, 2023	FDP- Exploring Innovation in personal and institutional development
28.	Sathyabama Institute of Science and Technology in association with Ministry of Earth Sciences	12-16 th September, 2023	Advanced Tools in Assessment of Marine Biodiversity and Pollution Monitoring
29.	Vivekanandha College of Arts and Science for Women	16-27 th November, 2023	FDP- Dynamics of Research, Professional Ethics & Universal Human values in

	(Autonomous)			Holistic Development
30	Sri S.Ramasamy Naidu Memorial College	20-27 th 2023	November,	FDP- Exploring Technological Advancements: A Voyage into Emerging Horizons

WEBINAR AND ONLINE COURSES ATTENDED: 64

- ❖ Online course on *Communication Skills for professionals* organized by Department of English, AVS college of Arts and Science, Salem during **13-17th April 2020**.
- ❖ Online course on *Creativity and Innovation for Personal and professional Development* organized by Department of Visual Communication, AVS college of Arts and Science, Salem during **13th- 16th April 2020**.
- ❖ Online course on *Microbes in Our Life* organized by Department of Microbiology, Sri Kailash Womens College during **16-18 th April 2020**.
- ❖ Online course on *Basic Principles of Spectroscopy* organized by Department of Chemistry, AVS college of Arts and Science, Salem during **17th- 19th April 2020**.
- ❖ Online course on *Verbal Proficiency* Organized by Department of English, SKACAS, Coimbatore held on **4th May 2020**.
- ❖ Webinar on *Exploring and Understating World Pandemics* Organized by the Department of Microbiology, Ethiyaraj College for Women, Chennai during **11th – 13th May 2020**.
- ❖ Webinar on **Current Scenario of e-Commerce Business** Organized by Department of Commerce with CA, Rathinam College of Arts and Science, Coimbatore held on **13th May 2020**.
- ❖ Webinar on *COVID-19 VACCINE DEVELOPMENT* organized by the Department of Microbiology, AyyaNadarJanakiAmmal College (Autonomous), Sivakasi held on **15th May.2020**.
- ❖ AARI Bioscience Webinar Series Session-II, entitled *Our Indian Medicinal Plants- Our Heritage* Organized by AnnakkiliAmma Research Institute (AARI), Chennai held on **15th May 2020**.
- ❖ Webinar on *Pursuing Academic Research* Organized by Department of Commerce with CS & IT, Rathinam College of Arts and Science, Coimbatore held on **15th May 2020**.

- ❖ AARI Bioscience Webinar Series Session-III,entitled*Seaweed Biodiversity of India: Current Knowledge-base and identifying gaps, challenges, and Opportunities*Organized byAnnakkiliAmma Research Institute (AARI), Chennai held on **16th May 2020**.
- ❖ Webinar on *Patent Professional - as a Career*organized by IPR Cell, Bharathidasan University, Tiruchirappalli, Tamil Nadu, INDIA held on **18 May 2020**.
- ❖ Webinar on *Molecular Methods in Diagnosis of Infectious Diseases* Organized by IQAC and Department of Microbiology, TiruppurKumaran College for Women, Tiruppur held on **18th May 2020**.
- ❖ Webinar on *ENVIRONMENTAL FORENSICS*organized by the Department of Environmental Biotechnology, School of Environmental Sciences, Bharathidasan University, Tiruchirappalli, Tamil Nadu, INDIA during **19 – 21 May 2020**.
- ❖ Webinar on *Making Reusable Fabric Face Mask* organized by Centre for Women’s Studies, Women’s Christian College, Chennai, on **21st May 2020**.
- ❖ Webinar on *How to Publish A Research Paper*organized by PG and Research Department of Compute Science and Applications, Vivekanandha College of Arts and Sciences for Women (Autonomous), Tiruchengode held on **22ndMay 2020**.
- ❖ Webinar on *Internal Quality Assurance Mechanism*organized by IQAC Cell, SengamalaThayaar Educational Trust Women’s College,Mannargudi held on **25th May 2020**.
- ❖ Webinar on *Post Covid -19 Scenario : Strategies to Counter its impact on Human Resources* organized by the Department of Commerce, Stella Maris College, Chennai held on **25th of May 2020**.
- ❖ AARI Bioscience Webinar Series Session-IV-*Importance of Myco-taxonomy & need of Myco-Databases documentation* Organized by AnnakkiliAmma Research Institute (AARI), Chennai held on **27th May 2020**.
- ❖ Webinar on *EDUCATION AND ETHOS*Organized by the PG & Research Department of Commerce (UAP), National College(Autonomous), Tiruchirapalli held on **27th May 2020**.
- ❖ Webinar on *Avenues in Ocean Research*organized by the Department of Marine Science, Bharathidasan University, Tiruchirappalli, Tamil Nadu, INDIA during **27 – 29 May 2020**.
- ❖ Webinar on *Recent Advancements in Bio & Nanomaterials*organized by PG and Research Department of Physics, Vivekanandha College of Arts and Sciences for Women (Autonomous), Tiruchengode held on **30 th May 2020**.

- ❖ Webinar on *Knowledge sharing on A to Z of Journal Publications (Survey to Citations)* organized by Institute for Engineering Research and Publication, Chennai held on **30th May 2020**.
- ❖ Webinar on *Application area and Development Process* organized by the Directorate of Distance Education- Biotechnology Wing, Alagappa University, Karaikudi during **31 May to 02 June, 2020**.
- ❖ AARI Bioscience Webinar Series Session-VI-*Success Secretes of Ph.D* Organized by Annakkili Amma Research Institute (AARI), Chennai held on **1st June 2020**.
- ❖ Webinar on *Role of Nanotechnology in Microbiology* organized by the Department of Microbiology, K.S.Rengasamy college of Arts and Sciences, Tiruchengode held on **1st June 2020**.
- ❖ Webinar on *Stress Management* organized by the Department of Microbiology, K.S.Rengasamy college of Arts and Sciences, Tiruchengode held on **2nd June 2020**.
- ❖ Webinar on *Life after Graduation What next?* Organized by Department of Commerce with CS & IT, Rathinam College of Arts and Science, Coimbatore held on **2nd June 2020**.
- ❖ Webinar on *Microorganisms in Environmental Sustainability* organized by the Department of Microbiology, K.S.Rengasamy college of Arts and Sciences, Tiruchengode held on **3rd June 2020**.
- ❖ National Webinar on *Business Opportunities in Fish Post-Harvest* organized by ICAR-Central Institute of Post-Harvest Engineering and Technology, Punjab held on **5th June 2020**.
- ❖ Webinar on *Virtual Interacting Classroom for Teachers and Challenging Technologies in Post Covid-19 Era* organized by Institute for Engineering Research and Publication, Chennai held on **05th June 2020**.
- ❖ Webinar on *Relevance and Importance of Good Mental Health During and After COVID19* organized by Comp-feeders Takniki Prashikshan Sanstha, Indore held on **8th June 2020**.
- ❖ Webinar on *Confronting the Pandemic through Dietary Immuno Boosters* organized by the Department of Womens Studies, Alagappa University, Karaikudi held on **9th June, 2020**.
- ❖ International Webinar on *Omics and Disease Markers* organized by Department of Botany and Biotechnology, St.Pious X Degree and PG College for Women, Hyderabad, held on **9th June 2020**.

- ❖ Webinar on *Nutrition During COVID-19 Era* organized by Comp-feeders Aisect college of Professional Pharmacy College, Indore held on **10th June 2020**.
- ❖ Webinar on *Research Article Writing and Publishing in Good Impact Journal* organized by Institute for Engineering Research and Publication, Chennai held on **13th June 2020**.
- ❖ AARI Bioscience Webinar Series Session-IX, entitled *Role of National Centre for Microbial Resource, Pune in Identification and Preservation of Microbial Culture* Organized by Annakkiliamma Research Institute (AARI), Chennai held on **14th June 2020**.
- ❖ Webinar on *AI getting used Impact of Covid-19* organized by Institute for Engineering Research and Publication, Chennai held on **14th June 2020**.
- ❖ Webinar on *Success in Life-You can Design Your Life* organized by Women Development Cell, Rajapalayam Rajus College, Rajapalayam held on **18th June 2020**.
- ❖ Webinar on *We are Stewards: Lets Nurture Nature* organized by Department of Botany, Isabella Thoburn College, Lucknow held on **19th June 2020**.
- ❖ E-Impact lecture session-1 on *Patent Filing Procedures in India & Overview of Industrial Designs, Trademarks and GIs*” organized by PSNACET MHRD IIC held on **06 July, 2020**.
- ❖ National Webinar on *Marine Research and Aquaculture* organized by Department of Biotechnology, Sathyabama Institute of Science and Technology, Chennai during **22-28th July 2020**.
- ❖ International Webinar on *Overview of Canadian Regulatory Affairs* organized by Department of Pharmacy, Annamalai University in association with Apotex Corp, Florida, USA held on **28th July 2020**.
- ❖ National Webinar on *Health is Wealth* organized by Internal Quality Assurance Cell (IQAC), Government Thirumagal Mills College, Gudiyattam held on **02 August 2020**.
- ❖ Webinar on *Cyber Virus that look his path with Corona Virus- A Disorder Journey of Malicious in the ASEAN Countries* organized by Institute for Engineering Research and Publication, Chennai held on **15th August 2020**.
- ❖ National Webinar on *Life on Land- UN Sustainable Development Goal* organized by Department of Business Administration, PSGR Krishnammal College for Women, held on **17th August 2020**.

- ❖ International Webinar on *Food Science, Nutrition and Global Food Security (FNGFS-2020)* organized by Department of Food Technology, VikramaSimhapuri University, Nellore, Andhra Pradesh, India and Faculty of Agro Based Industry, University of MalasiaKelatan, held on **03rd September 2020.**
- ❖ Webinar on *Latest Trends in Nanotechnology* organized by Institute for Engineering Research and Publication, Chennai held on **10th September 2020.**
- ❖ Webinar on *Technology Based Teaching in Class Room* organized by Institute for Engineering Research and Publication, Chennai held on **10th September 2020.**
- ❖ Webinar on *National Education Policy* organized by Institute for Engineering Research and Publication, Chennai held on **13th September 2020.**
- ❖ Webinar on *Modeling of Biomedical Applications using Neural Networks in International short term Training Program held in India* organized by Institute for Engineering Research and Publication, Chennai held on **16th September 2020.**
- ❖ Webinar on *Personality Development and Winning Attitude* organized by Institute for Engineering Research and Publication, Chennai held on **18th September 2020.**
- ❖ Webinar on *Biology in Concrete* organized by Institute for Engineering Research and Publication, Chennai held on **20th September 2020.**
- ❖ National Webinar on *Community Building in Biodiversity Conservation* organized by Nature Club of RajapalayamRajus and Wildlife Association of Rajapalayam, held on **23rd September 2020.**
- ❖ National Webinar on *Fresh water Algal Biodiversity of India: An Overview* organized by Department of Botany, SevaBharatiMahavidyalaya, Jhargram, West Bengal, held on **26th September 2020.**
- ❖ Webinar on *Composite Materials- Metal Matrix Composite* organized by Institute for Engineering Research and Publication, Chennai held on **26th September 2020.**
- ❖ Webinar on *Learning Path to Data Science* organized by Institute for Engineering Research and Publication, Chennai held on **26th September 2020.**
- ❖ Webinar on *Optical Wireless Communication- Challenges and Opportunities* organized by Institute for Engineering Research and Publication, Chennai held on **03rd October 2020.**

- ❖ Webinar on *Bio-innovations and Bio- entrepreneurship* organized by Department of Microbiology, P.E.S and R.S.N College, Goa Association with Microbiologists Society, India held on **10th November 2020**.
- ❖ Webinar on *Hydroponics* organized by Department of Microbiology, Vivekanandha College of Arts and Sciences for Women (Autonomous), Tiruchengode held on **12 th December 2020**.
- ❖ Webinar on *Environment conservation stragies* organized by Department of Botany, Sanjivani Arts Commerce and Science, Koprogaon held on **19thMay 2021**.
- ❖ Webinar on *Covid Associated Infection* organized by Department of Biotechnology, Srinivasan College of Arts and Science, Perambalur held on **27 th August 2021**.
- ❖ Webinar on Microbiome- Gut Brain organized by SciBug, held on **27 th August 2023**.
- ❖ Webinar on How to Publish a Book with ISBN organized by Iterative International Publishers, USA held on **27 th October 2023**.

NATIONAL CONFERENCES PARTICIPATED / PRESENTED: 41

- ❖ K.Kathiresan, M.A.Nabeel, P.Anantharaman, K.Sivakumar, V.Gomathi, G.Karthikaidevi, S.Raja, N.Arivuselvan and **R. Anburaj**. *Are coral Reef sediments microbially diverse?* National conference on Coral reef Ecosystem” at Fisheries College and research institute. Thoothukudi during 18th – 19th September **2008**, Abstract pp 62.
- ❖ T.Sivakumar, **R.Anburaj**, K.Kathiresan, G. Thiyagarajan. And Pannerselvam.R. *Influence of salinity on growth and photosynthetic pigment content of sesuviumportulacastrum*”. National seminar on climate change and environmental challenges at Annamalai University, Chidhambaram during 7th – 8th March, **2009**, Abstract pp.80.
- ❖ **R. Anburaj**, National workshop on “*DNA barcoding of marine life*” at CAS in Marine Biology, Annamalai University Parangipettai during 30 – 31 March, **2009**.
- ❖ **R.Anburaj**, National workshop on “*Research methodology*” at Annamalai University, Chidhambaram during 27nd February – 02th March, **2010**.
- ❖ **R.Anburaj**, National Training program on “*Conservation and Manangement of Mangroves*” at GEER Foundation GUJARAT, during 1ST – 5th April **2010**.
- ❖ **R.Anburaj**, National workshop on “*Molecular Techniques*” at Life Tech Research Centre, Chennai, during 10- 19 th May, **2010**.

- ❖ **R. Anburaj**, Sivakumar, T and K.Kathiresan. “Effect of soil microbes on biochemical aspects of the medicinal halophyte, *Sesuviumportulacastrum* L. in response to salinity”. Second National conference on Bioprospecting of Marine Resources with special Reference to Marine Natural Products and Drug Discovery at Alagappa University (School of Marine Sciences- Thondi) Karaikudi during 25th – 27th August, **2010**, Abstract pp.160.
- ❖ **R. Anburaj**, T. Sivakumar, K. Saravanakumar and K.Kathiresan. “Salinity- induced biochemical changes in the salt marsh plant, *Sesuviumportulacastrum* L.”. National symposium on Marine Plants at CAS in Marine Biology, Annamalai University Parangipettai during 23rd – 25th September, **2010**, Abstract pp.76.
- ❖ **R. Anburaj**, National Training program on “*Short term training on advanced research techniques (START)*“ at National Facility for Marine Cyanobacteria, Bharathidasan University, Trichy during 14- 25 th, March **2011**.
- ❖ **R. Anburaj**, One Day seminar on Scientific/ Technical Writings “Writing Science” at department of industrial biotechnology, Bharathidasan University, Tiruchirappalli 22nd January, **2014**.
- ❖ **R. Anburaj**, Antioxidant activity of Marine Cyanobacteria. One Day National Symposium on Novel Approaches in Biological Science at DhanalakshmiSrinivasan College of Arts and Science for Women, Perambalur, 28th February, **2014**.
- ❖ **R. Anburaj**, Training program on “Microbial Techniques“ Sponsored by Ministry of Human Resource Development (MHRD) at CAS in Marine Biology, Annamalai University Parangipettai during 16 – 17 March, **2014**.
- ❖ **R. Anburaj**. UGC sponsored short term course on quality research proposal atBharathidasan University, Tiruchirappalli, 12-13 July, **2014**.
- ❖ **R.Anburaj**, National workshop on “*High Performance Liquid Phase Separation Technique*” at Department of Marine Biotechnology, Bharathidasan University, Tiruchirappalli, 23rd January, **2015**.
- ❖ **R. Anburaj**and K. Kathiresan, Molecular Identification of Cyanobacteria from Mangrove Environment. One Day National seminar on Cotemporary Molecular Techniques and Their Potential Applications in Current Applied Biology at Research department of Microbiology, M.R. Government Arts College, Mannargudi 30 th January, **2015**. Abstract AB104.P71. **ISBN: 978-81-909259-6-9**.

- ❖ **R. Anburaj**, V.Sangeetha and K. Kathiresan. Antibacterial activity of mangrove-derived Cyanobacteria. National Conference on Microbial Research in Human Welfare, Organized by Department of Microbiology, Bharathidasan University, during 27-28th February **2015**. Abstract-9.
- ❖ V.Sangeetha, V.Ponnusamy, **R. Anburaj**, A.Rajkumar and S.Subramanian. Antimicrobial activity of Silver Nanoparticles synthesized by using Moringa Leaf extract. National Conference on Microbial Research in Human Welfare, Organized by Department of Microbiology, Bharathidasan University, during 27-28th February **2015**. Abstract-13.
- ❖ **R. Anburaj**, K. Kathiresan and G.RoselineJebapriya, Molecular Characterization and Its Antioxidant activity of Mangrove-derived Cyanobacteria. National Conference on New Avenues in Life Science: Trends and Challenges at Research department of Microbiology, DhanalakshmiSrinivasan College of arts and science for women, Perambalur, During 28 & 29 th January, **2016**.P29.
- ❖ **R. Anburaj**, G.RoselineJebapriya and K. Kathiresan, National seminar on Present scenario in Bioscience Research at Research department of Biotechnology, Sri Vinayaga College of Arts and Science, Ulundurpet 19 th February, **2016**.
- ❖ **R. Anburaj**, Two Days Faculty Development Programme on Effective Communication Skills at Srinivasan College of Arts and Science, Perambalur during 14 & 15 th June, **2016**.
- ❖ **R. Anburaj**, G.RoselineJebapriya and K. Kathiresan. *Molecular Characterization and Its Antioxidant activity of Marine Cyanobacteria from Mangrove Biotope*. National Conference on Immune Response of Marine Fishes with Respect to Heavy Metal Pollution, at CAS in Marine Biology, Annamalai University, Parangiettai, during 05 & 06 th August, **2016**.
- ❖ **R. Anburaj**. National conference on New Trends in Biomedical and Pharmaceuticals Application of Marine Natural Products (NCMNP-2016) at Centre for Ocean Research, Sathyabama University, Chennai, during 10 & 11th August **2016**.
- ❖ **R. Anburaj**, G.RoselineJebapriya and K. Kathiresan. *Biosorption of Cadmium by Mangrove – Derived Cyanobacteria (Gloeocapsa ARKK3)*. National Conference on Role and Application of Statistics in Multidisciplinary Research at Thanthai Hans Roever College, Perambalur, 07th October, **2016**.
- ❖ **R. Anburaj**, G.RoselineJebapriya and K. Kathiresan. *Studies on Molecular characterization and Anti-oxidant activity of mangrove derived Cyanobacteria*. National Conference on Novel

approaches and concepts in modern microbiology (NAC2M-2017) at Hindustan College of arts and Science, Chennai, 11th January **2017**.

- ❖ **R. Anburaj**. National Workshop on Climate change impact on the Marine Environment (CCIME-2017) at Department of Marine Science, Bharathidasan University, Trichy, during 02 & 03rd February **2017**.
- ❖ **R. Anburaj**. Conference on Empowering Educators at Vivekanandha College of Arts and Science for Women, Tiruchengode, during 9th September **2019**.
- ❖ **R. Anburaj**. Hands on training on “Cost Effective Spectroscopic Techniques” at PG and Research Department of Chemistry, Vivekanandha College of Arts and Science for Women, Tiruchengode, during 23 & 24 September **2019**.
- ❖ **R. Anburaj** and G. Roseline Jebapriya. Efficiency of Nutraceutical in Cancer Therapy. Perspective of Nanotechnology in Agriculture. National Conference on Nutraceuticals and Gene Therapy. Department of Life Science and Chemical Science, Jaya College of Arts and Science, Chennai, held on 06th February **2020**.
- ❖ G. Roseline Jebapriya and **R. Anburaj**. Nutraceutical Value of Edible Mushrooms. Perspective of Nanotechnology in Agriculture. National Conference on Nutraceuticals and Gene Therapy. Department of Life Science and Chemical Science, Jaya College of Arts and Science, Chennai, held on 06th February **2020**.
- ❖ **R. Anburaj**, G. Roseline Jebapriya and C. Ravinder Singh. Perspective of Nanotechnology in Agriculture. National Conference on Promotion of Livelihood and Entrepreneurship Opportunity Through Medicinal and Aromatic Plants, Department of Botany, Vivekanandha College of Arts and Science for Women, Tiruchengode, during 18th & 19th February **2020**.
- ❖ **R. Anburaj**. Marine microbes: Sustainable Development and Challenges. National Youth Science conference for Sustainable Development, Bose Science Society, Pudukottai, held on 18th February **2020**.
- ❖ **R. Anburaj**. National conference on Immuno-Boosters the Plant Products of Kitchen and Home Gardens, Department of Science, Compfreeaders Aisects College of Professional Studies, Indore, held on 11th June **2020**.
- ❖ **R. Anburaj**. Virtual Power Seminar on Big Data, PG Department of Computer Science and Applications, Islamiah Womens Arts and Science College, in Association with ICT Academy Vaniyambadi, held on 25th July **2020**.

- ❖ **R. Anburaj.** National Seminar on Intellectual Property Rights in Indian Context and Its Present Relevance, Department of Post Graduate Studies and IQAC Cell, Pacific Academy of Higher Education and Research University, Udaipur, held on 08th September **2020**.
- ❖ **R. Anburaj.** National E- Workshop on Teaching Skill Development Government College Patharia- M.P held on 22-24th March **2021**.
- ❖ **R. Anburaj.** IP Awareness/ Training Program under National Intellectual Property Awareness Mission, Vivekanandha College of Arts and Science for Women, Tiruchengode, held on 02nd February **2022**
- ❖ **R. Anburaj.** IP Awareness/ Training Program under National Intellectual Property Awareness Mission, Vivekanandha College of Arts and Science for Women, Tiruchengode, held on 03rd August, **2022**.
- ❖ **R. Anburaj.** IP Awareness/Training Program under National Intellectual Property Awareness Mission, National College (Autonomous), Trichy, held on 18th October, **2022**.
- ❖ **R. Anburaj.** National Level Virtual Workshop on New NAAC Accreditation and Assessment Process, Selvam Arts and Science College, Namakkal, held on 03rd November **2022**.
- ❖ **R. Anburaj.** National Conference on Marine conservation and Commercialization of Marine based products for bio sustainable Organized by Vivekanandha College of Arts and Science for Women, Sankagiri, during 23 & 24th February **2023**.
- ❖ **R. Anburaj.** Synthetic dye degradation by Marine Cyanobacteria isolated from Mangroves biotopes. National Conference on Marine bioresource conservation and sustainable utilization of marine based products Organized by Vivekanandha College of Arts and Science for Women, Sankagiri, during 15 & 16th March **2024**.

INTERNATIONAL CONFERENCES PARTICIPATED / PRESENTED: 29

International Summer School Participated

- ❖ **German Academic Exchange Service (DAAD) Sponsored International Summer School on Studies and Research on Sustainability in Agriculture, Water and Area Management** held at the Centre of Applied Plant Biotechnology, **Leibniz University, Hannover, Germany** from June 21st – July 04th, **2009**.
 - a) Poster on “Mangroves”

b) Talk on “Effect of Rhizobacteria on salinity induced changes in *Sesuvium portulacastrum L.*”.

- ❖ Kathiresan K., V. Gomathi, G Karthikaidevi, S. Kavitha, N. Arivuselvan, **R. Anburaj**, K. Samidurai, G. Silambarasan, S. Raja, M.A. Nabeel, G. Thiruneelakandan, S. Manivannan, N. Sithrangaboopathy, (2008). Flowering plant species in Islands of the Gulf of Mannar Biodiversity Conservation in Gulf of Mannar Biosphere Reserve. (S. Kannaiyan and K. Venkataraman). Proceedings of the international workshop on a Gulf of Mannar Biosphere Reserves: An ecological livelihood and Sustainability (UNESCO, SACEP, Govt. of India) National Biodiversity Authority Govt. of India, Chennai-pp.457.
- ❖ K. Saravanakumar, **R. Anburaj** and K.Kathiresan. International conference on Aquatic Microbiology at CAS in Marine Biology, Annamalai University Parangipettai, during 2-4th September, 2010, Abstract pp.
- ❖ K. Kathiresan, Sunil Kumar Sahu, **R. Anburaj**, V. Gomathi and K. Saravanakumar. Studies on genetically superior mangroves for restoration and carbon sequestration. Student conference on conservation science (SCCS), Indian Institute of Science, Bangalore during 14th – 16th Sept. 2011.
- ❖ **R. Anburaj**, International training course on Mangrove Biodiversity and Ecosystems,” *Studies on Unicellular Cyanobacteria from Mangroves*” at CAS in Marine Biology, Annamalai University Parangipettai during 5 –19 October, 2011.
- ❖ **R. Anburaj**, Nabeel, M.A., Sivakumar, A and Kathiresan, K. Biochemical constituents of edible halophyte (*Sesuvium portulacastrum L.*) in response to salinity and soil microbes. In: Proceedings of International conference on Environmental security for food and health, (Veera Ravi, A., S. Ravikumar, N. Rajendran, S. Elango Subramanian, V. Saravanan & A. Sivakumar, Eds.) at Kanyakumari pp. Abstract pp.70-71, 2012. ISBN: 978-81-7966-301-1.
- ❖ G. Abirami, **R. Anburaj** and K. Kathiresan. Studies on sulphate reducing bacteria from Southeast coast of India. Proceedings of the International Conference ‘Meeting on Mangrove ecology, functioning and Management - MMM3 (Dahdouh-Guebas, F. & B. Satyanarayana (Eds.), at Galle, Sri Lanka, during 2-6 July, 2012 VLIZ Special Publication 57:37. ISBN 978-90-817451-6-1.
- ❖ K. Kathiresan, V. Gomathi, **R. Anburaj**, K. Saravanakumar, N. Asmathunisha, S.K. Sahu, V.Shanmugaarasu & S. Anandhan. Carbon sequestration potential of mangroves and their sediments in southeast coast of India. Proceedings of the International Conference ‘Meeting on

Mangrove ecology, functioning and Management - MMM3, (Daoud-Guebas, F. & B. Satyanarayana (Eds.), at Galle, **Sri Lanka**, during 2-6 July, **2012**. *VLIZ Special Publication 57*: Pp 87. **ISBN 978-90-817451-6-1**.

- ❖ **R. Anburaj**, G. RoselineJebapriya and K. Kathiresan. *Antioxidant potential of marine Cyanobacteria from mangrove biotope*. International conference on Current Scenario and Future Prospects of Biotechnology, at Department of Biotechnology, Thanthai Hans Roever College, Perambalur, 09th August, **2016**.
- ❖ **R. Anburaj**, G. RoselineJebapriya and K. Kathiresan. *Antibacterial Activity of mangrove derived Cyanobacteria*. International conference on Microalgal and Cyanobacterial Biotechnology MACB-2016, at National Facility for Marine Cyanobacteria, Bharathidasan University, Trichy during 29 – 31 st, August **2016**. ISBN:978-83213-15-3.
- ❖ **R. Anburaj**, G. RoselineJebapriya and K. Kathiresan. Molecular characterization and Antioxidant potential of Mangrove derived Cyanobacteria. International conference on Aquatic Science, Biodiversity Conservation and Management Strategies InABC-2016 at Department of Zoology, Annamalai University, Chidambaram during 26-28 September **2016**.
- ❖ **R. Anburaj**, G. RoselineJebapriya. Curcumin derived antiviral carbon dots: an effective multisite inhibitor for Coronavirus. International Conference on A special focus on translational biomedicine research for metabolic diseases. Department of Biosciences, Vivekanandha College of Arts and Science for Women, Tiruchengode, during 03rd & 04th March **2020**.
- ❖ **R. Anburaj**. International Workshop on SPAPC-INDO-US Immunology at Indian Institute of Technology (IIT), Ropar, India and The George Washington University, US, during 12 & 13th June **2020**.
- ❖ **R. Anburaj**. International online Conference on Current Priorities and Challenges in Earth and Environmental Sciences (CPCEES-2020), Organized by Department of Geology, Periyar University PG Extension Centre, Dharmapuri, during 15th – 19th June **2020**.
- ❖ **R. Anburaj**. International Conference on Contemporary Research for the sustainable development of Biological Science, Organized by Vivekanandha College of Arts and Science for Women (Autonomous), Tiruchengode, during 01 & 02nd February **2023**.
- ❖ **R. Anburaj**. International Workshop on Ethics in Research and Publication Organized by Scholars gate Research Training Institute, Tamilnadu held on 23rd February **2023**.

- ❖ **R. Anburaj**, G. Roseline Jebapriya, K. Kathiresan and P. Senthilraja. Marine Cyanobacteria as Sustainable source of Antioxidant. International conference on Microbiological Research: Current Challenges and Future Perspectives (ICMR:CCFP-2024) at Department of Microbiology, Bharathidasan University, Trichy during 09-11 January **2024**. Abstract PP.15.
- ❖ **R. Anburaj**, G. Roseline Jebapriya, K. Kathiresan. Lead Bio-removal using Marine Cyanobacteria. International conference on Bioprospecting Potential of Marine Organisms (ICBPMO-2024) at Department of Life Sciences-Biotechnology, PRIST University, Thanjavur held on 24th January **2024**.
- ❖ **R. Anburaj**, G. Roseline Jebapriya, K. Kathiresan, C. Ravinder Singh. Molecular characterization and Antioxidant Potential of Marine Cyanobacteria. International conference on Emerging Trends in Microbial Technology (ICETMT-2024) at Department of Microbiology, Jamal Mohamed College (Autonomous), Trichy held on 24th January **2024**. Abstract PP.63.
- ❖ M. Gokul, J. Abimanyu, K. Vijayaguru and **R. Anburaj**. Microbial diversity and Enzyme profiling in Mangrove Ecosystems: Insights from Morphological and Molecular analysis. International conference on Emerging Trends in Microbial Technology (ICETMT-2024) at Department of Microbiology, Jamal Mohamed College (Autonomous), Trichy held on 24th January **2024**. Abstract PP.53.
- ❖ A. Parthasarathy and **R. Anburaj**. Optimizing Bioethanol Production from sugarcane Molases: A sustainable approach using *Saccharomyces cerevisiae*. International conference on Emerging Trends in Microbial Technology (ICETMT-2024) at Department of Microbiology, Jamal Mohamed College (Autonomous), Trichy held on 24th January **2024**. Abstract PP.76.
- ❖ M. Gokul, N. Janarthana **R. Anburaj** and C.Prasannakumar. Obtained from Mosquitoes, exhibiting Entomopathogenic characteristics. International conference on Emerging Trends in Microbial Technology (ICETMT-2024) at Department of Microbiology, Jamal Mohamed College (Autonomous), Trichy held on 24th January **2024**. Abstract PP. 121.
- ❖ I. Mahashree, C.Prasannakumar and **R. Anburaj**. National College Culture Collection Centre. International conference on Emerging Trends in Microbial Technology (ICETMT-2024) at Department of Microbiology, Jamal Mohamed College (Autonomous), Trichy held on 24th January **2024**. Abstract PP. 122.
- ❖ M. Madhura and **R. Anburaj**. Exploring heterotrophic Bacterial diversity in Sewage Samples. International conference on Emerging Trends in Microbial Technology (ICETMT-2024) at

Department of Microbiology, Jamal Mohamed College (Autonomous), Trichy held on 24th January **2024**. Abstract PP. 124.

- ❖ **R. Anburaj**, G. Roseline Jebapriya, K. Kathiresan. Sustainable Antioxidant Resources: Exploring the Potential of Mangrove-Derived Marine Cyanobacteria. International conference on Molecular basis of Cancer and Prevention (MBCP-2024) at Department of Life Sciences-Biochemistry, PRIST University, Thanjavur during 7-8th February **2024**.
- ❖ M. Gokul and **R. Anburaj**. Investigation of Bacillus cereus Isolated from the Gut of Marine Fish: Identification and screening for Protease Enzyme International conference on Molecular basis of Cancer and Prevention (MBCP-2024) at Department of Life Sciences-Biochemistry, PRIST University, Thanjavur during 7-8th February **2024**.
- ❖ I. Mahashree, C.Prasannakumar and **R. Anburaj**. National College Culture Collection Centre. International conference on Molecular basis of Cancer and Prevention (MBCP-2024) at Department of Life Sciences-Biochemistry, PRIST University, Thanjavur during 7-8th February **2024**.
- ❖ M. Gokul, N Janarthana, **R. Anburaj** and C.Prasannakumar. Identification and Characterization of Microbial strains derived from Mosquitos with Potential Entomopathogenic Traits. International conference on Molecular basis of Cancer and Prevention (MBCP-2024) at Department of Life Sciences-Biochemistry, PRIST University, Thanjavur during 7-8th February **2024**.
- ❖ **R. Anburaj**, G. Roseline Jebapriya, K. Kathiresan. Degradation of Dyes by Marine Cyanobacteria from Mangrove Biotope. International conference on Recent Trends in Microbiology (RTM-2024) at Department of Microbiology, Alagappa University, Karaikudi held on 26-27th February **2024**. Abstract PP.63.

MEMORANDUM OF UNDERSTANDING (MoU)

- ❖ **Coordinator of the Programme** – Memorandum of Understanding (MOU) between **Shanghai Jiao Tong University School Of Medicine, Shanghai, China and Srinivasan College of Arts And Science, Perambalur, Tamilnadu**, on 09th February **2018**.

- ❖ Invited as a Science Day's Guest of honor and Invited Lecture on **“Interdisciplinary Research: Bridging Gaps for new Opportunities and discoveries”** Organized by Michael Job College of Arts and Science for Women, Coimbatore, Tamilnadu held on 28th February **2024**.
- ❖ Resource Person on **“Intellectual Property Rights and Biological Research”** Organized by Institutions Innovation Council and PG Research Department of Microbiology, KSR College of Arts and Science for Women, Tiruchengode, Namakkal, Tamil Nadu, held on 27th January **2023**.
- ❖ Resource Person on **“Cyanobacteria based bio plastics: Future of Green Economy”** Organized by PG Research Department of Biotechnology, Prist University, Thanjavur, Tamil Nadu, held on 27th September **2022**.
- ❖ Resource Person for the **CSIR Sponsored Workshop Bioplastics-A Sustainable way for the creation of biodegradable polymers from unutilized abundant marine raw materials in eco friendly approach and presented the topic “Challenges of bio plastics production from marine Cyanobacteria”** Organized by Department of Biomedical Engineering, Mahendra College of Engineering, Salem held on 29th April **2022**.
- ❖ Resource Person on **“Blue Biotechnology”** Organized by PG Research Department of Biotechnology, Thanthai Hans Roever College of Arts and Science (Autonomous), Perambalur held on 31st March **2022**.
- ❖ Resource Person on **“Recent trends in Microalgae”** Organized by PG Research Department of Botany, Srimad Andavan Arts and Science College (Autonomous), Trichy held on 29th October **2021**.
- ❖ Resource Person on **“Opportunities in Research”** during M.Phil Orientation Programme Organized by R & D Cell and Internal Quality Assurance Cell (IQAC), Vivekanandha College of Arts & Sciences for Women (Autonomous), Tiruchengode held on 08 June **2021**.
- ❖ Invited Lecture on **“Awareness Program on World Water Day”** NSS camp (Unit V) Vivekanandha College of Arts & Sciences for Women (Autonomous), Tiruchengode held on 23 March **2021**.
- ❖ Invited Lecture on **“Awareness Program on personal Hygiene and Covid Vaccination”** Organized by Department of Botany, Vivekanandha College of Arts & Sciences for Women (Autonomous), Tiruchengode held on 26 March **2021**.
- ❖ Resource Person on **Challenges of Recent Technology towards Environmental Pollutions** during **International conference on Modern Biology and Environmental Management** Organized

by Department of Zoology, Vivekanandha College of Arts & Sciences for Women (Autonomous), Tiruchengode held on 30 March **2021**.

- ❖ Invited Lecture on “*Effective Resume Writing*”, Organized by Placement Cell, Vivekanandha College of Arts & Sciences for Women (Autonomous), Tiruchengode held on 19 April **2021**.
- ❖ Invited Lecture on “*Resume writing tips for fresher’s*”, Organized by Placement Cell, Vivekanandha College of Arts & Sciences for Women (Autonomous), Tiruchengode held on 19 April **2020**.
- ❖ Invited Lecture on “*Global Business Foundation Skill*” Organized by Placement Cell, Vivekanandha College of Arts & Sciences for Women (Autonomous), held on 19 April **2019**.
- ❖ Invited Lecture on “*Awareness Program on Personal Hygiene*” NSS camp (Unit V) Srinivasan College of Arts & Science, Perambalur held on 18 July **2017**.
- ❖ Invited Lecture on “*Awareness Program on* ” NSS camp (Unit V) Srinivasan College of Arts & Science, Perambalur held on 15 December **2016**.

ORGANIZER- SEMINARS / SYMPOSIA / CONFERENCE / WORKSHOPS

- ❖ **Member in Scientific Sessions-** *National Symposium on Marine Plants* organized by CAS in Marine Biology, Annamalai University, Parangipettai, during 23rd – 25th September, **2010**.
- ❖ **Joint Secretaries-** *International Seminar* on Life Science- Recent Trends Applications organized by Life Science Departments, Dhanalakshmi Srinivasan College of Arts and Science for Women, Perambalur, on 09th February **2016**.
- ❖ **Organizing Committee –** *Mega Job Fair* organized by Placement Cell, Srinivasan College of Arts and Science, Perambalur, on 10th March **2016**.
- ❖ **Organizing Committee –** *Blood Grouping Camp* organized by Department of Microbiology, Srinivasan College of Arts and Science, Perambalur, on 27th June **2016**.
- ❖ **Coordinator –** *Dr. A.P.J. Abdulkalam Memorial Lecture* organized by Department of Microbiology, Srinivasan College of Arts and Science, Perambalur, on 27th July **2016**.
- ❖ **Coordinator –** *Guest Lecture on Human Anatomy and Physiology* organized by Department of Microbiology, Srinivasan College of Arts and Science, Perambalur, on 27th September **2016**.
- ❖ **Coordinator –** *SCAS Quiz Club* organized by Srinivasan College of Arts and Science, Perambalur, on 28th July **2017**.

- ❖ **Coordinator – Invited Lecture** organized by Department of Microbiology, Srinivasan College of Arts and Science, Perambalur, on 23th January **2018**.
- ❖ **Coordinator- Guest lecture on Nanotechnology** and its Applications organized by Department of Microbiology, Vivekanandha College of Arts & sciences for Women (Autonomous), Tiruchengode on 27th January **2019**.
- ❖ **Organizing Committee – Mega Job Fair** organized by Placement Cell, Vivekanandha College of Arts & Sciences for Women (Autonomous), Tiruchengode on 07th March**2020**.
- ❖ **Organizing Committee- International Conference** on Emerging Infectious Disease and Novel Drug Development, organized by Department of Microbiology, Vivekanandha College of Arts & Sciences for Women (Autonomous), Tiruchengode on 04-05th December **2020**.
- ❖ **Coordinator- Awareness programme on Intellectual Property Rights** organized by Center for Intellectual Property Rights, Vivekanandha College of Arts & sciences for Women (Autonomous), Tiruchengode on 02ndFebruary**2022**.
- ❖ **Coordinator- Awareness programme on Intellectual Property Rights** organized by Center for Intellectual Property Rights, Vivekanandha College of Arts & sciences for Women (Autonomous), Tiruchengode on 03rdFebruary**2022**.
- ❖ **Organizing Committee- National Conference on Recent Advances in Structural Biology**, organized by Department of Biotechnology and Microbiology, National College (Autonomous), Tiruchirappalli on 04-05th November **2022**.
- ❖ **Coordinator- career Guidance Program on Scope in Life Science and importance of plant conservation** organized by Department of Biotechnology and Microbiology, National College (Autonomous), Tiruchirappalli on 22nd September **2023**.
- ❖ **Coordinator- Career Guidance Program on An odyssey Self- Discovery to Explore the opportunities** organized by Department of Biotechnology and Microbiology, National College (Autonomous), Tiruchirappalli on 25th September **2023**.