

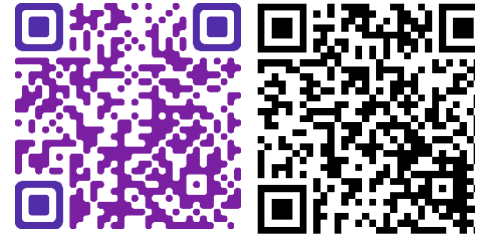
DR. VIJAYARAJ RADHA



Assistant Professor,
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PROFILE SUMMARY

- Ph.D. in Marine Biotechnology, specializing in antidiabetic compounds from Marine Macroalgae.
- Assistant Professor in the Department of Marine Biotechnology, AMET University, since March 2023.
- Extensive experience in live feed aquaculture, bioactive compounds, Mass Production & Utilization of Marine Plankton as Live Feed in Marine & Brackishwater finfish and fish larval nutrition.
- Served as DBT - Project Associate in the Department of Biotechnology (Govt. of India) sponsored project from February, 2020 to February 2023.
- Actively involved in ongoing research projects, funding from DST-ANRF and IAMU with international collaborations.
- Supervising Four Ph.D. students (3 National; 1 International); ongoing research in high-density copepod live feed culture technology supported by ANRF (Govt. of India).
- Organized 4 national level workshops related to live feed aquaculture & bioactive compounds.
- Published 36 research articles in SCI-indexed, Scopus, and other journals, and contributed to book chapters.
- Participated in numerous national and international conferences and workshops.
- Recipient of travel grants, Best Presentation Awards, and a University Research Fellowship.
- Established a state-of-the-art Aquaculture Research Laboratory in collaboration with ICAR-CIBA and CMFRI.
- Reviewer for reputable journals and Editorial Board Member in reputed publishers and also member of different professional bodies.

EDUCATION

2016 - DOCTOR OF PHILOSOPHY IN MARINE BIOTECHNOLOGY
2021 AMET Deemed to be University, Chennai, India.

Thesis title: A novel antidiabetic compound from Marine Macroalgae and its hypoglycemic potentials

2013 - MASTER OF SCIENCE IN MEDICAL BIOCHEMISTRY (6.49 CGPA)
2015 Karunya University, Coimbatore, India.

2010 - BACHELOR OF SCIENCE IN ZOOLOGY WITH BIOTECHNOLOGY (72.8%)
2013 AVVM Sri Pushpam College, Thanjavur,
(Bharathidasan University, Tiruchirappalli, India).

WORK EXPERIENCE

March - 2023 to Till Date

Position	Assistant Professor
Department	Department of Marine Biotechnology
Institute	AMET University, Chennai, India.

RESEARCH EXPERIENCE**February - 2020 to February - 2023 (3 years)**

Position	DBT- Project Associate - II
Institute	Department of Marine Biotechnology, AMET University
Project entitled	Up-Scaling Marine Fish Seed Production Using Live Feed (BT/PR30019/AAQ/3/929/2018)
Sponsored by	Department of Biotechnology, Govt. of India

January - 2017 to January - 2020 (3 Years)

Position	University Research Fellow
Institute	Department of Marine Biotechnology, AMET University (AMET/Fellowship/Bio-Tech/2017 Dt. 06.01.2017)
Sponsored by	Management of AMET University, Chennai.

RESEARCH PROJECTS / FUNDS RECEIVED FROM GOVERNMENT FUNDING AGENCIES**Funded by Anusandhan National Research Foundation (ANRF), Formerly, Science and Engineering Research Board (SERB)**

Name of the Project	High Density Copepod Live Feed Culture Technology for Augmenting Marine Finfish Seed Production
Role	Principal Investigator
Funding agency	Anusandhan National Research Foundation (ANRF), Formerly, Science and Engineering Research Board (SERB)
Total Budget	Rs. 22,56,100/-
Project Duration	2023-2026

Funded by International Association of Maritime Universities

Name of the Project	Facilitating greener education and cleaner shipping through the development of Novel bespoke microtextured metals to combat biofouling in niche areas on vessels
Role	Research Partner cum Research Personnel
Funding agency	International Association of Maritime Universities (Collaborative project with Liverpool John Moores University, UK)
Total Budget	USD 10,092

Workshop Grant - Funded by Anusandhan National Research Foundation (ANRF), Formerly, Science and Engineering Research Board (SERB)

Name of the Workshop	National Workshop on Copepod Culture Techniques for Aqua-Hatcheries
Role	Convener and Organizing Secretary
Funding agency	Anusandhan National Research Foundation (ANRF), Formerly, Science and Engineering Research Board (SERB)
Total Budget	Rs. 1,50,000/-
Project Duration	26.02.2025 to 28.02.2025

ADDITIONAL RESPONSIBILITIES

- Director, Sponsored Research and Special Schemes (January, 2025 onwards)
- Coordinator - Unnat Bharat Abhiyan, AMET University (2023 - Till date)
- NAAC- Criteria Manager - Research and Innovation, AMET (2023-2024)
- NAAC - Criteria - 7: Co-Criterion Manager, AMET University (2023-2024)
- Member - Board of Studies for Biotechnology, Department of Marine Biotechnology, AMET (2023 - Till date)
- Advisory committee member - Green Initiatives in the University (2023- Till date)
- Member of Examination Squad Committee, AMET University (2023-Till date)

CONFERENCE AND WORKSHOP ORGANIZED

- Organized "NATIONAL WORKSHOP ON BIOPROSPECTING OF MARINE RESOURCES FOR COMMERCIAL APPLICATIONS" on 22.09.2023.

- Organized "NATIONAL WORKSHOP ON BIOPROSPECTING OF MARINE RESOURCES FOR COMMERCIAL APPLICATIONS" on 20.05.2022.
- Organized DBT sponsored – "National Online Skill Development Workshop on "COMPETENCE OF MEIOBENTHIC TINY COPEPOD LIVE FEED FOR MARINE FINFISH LARVAE" on 08.02.2022.
- Served as a Faculty Coordinator in the "NATIONAL VIRTUAL CONFERENCE ON MARICULTURE IN INDIA - RECENT ADVANCEMENT" on 16-06-2021.

HONOURS AND AWARDS

- Received travel grant from University of North Bengal, West Bengal to attend the DST - Sponsored Hand on Training on Various Sophisticated Scientific Instruments and Techniques under the Scheme of Synergistic Training Program Utilizing the Scientific and Technological Infrastructure (STUTI) organized by University of North Bengal, West Bengal (2022).
- Invited as Resource Person and Evaluator in the 31st National Children's Science Congress – 2023 organized by National Council for Science and Technology Communication (Department of Science and Technology, Govt. of India) held at Madras Christian College, Chennai on 21.10.2023.
- Best Presentation Award for the research paper entitled "Exploration of Bioactive Compounds from Marine Macro Algae against Diabetic Mellitus" in the National Conference on Biochemistry and Therapeutics of Diabetes and Cancer Treatment & Challenges held at Department of Plant Biotechnology, Loyola College, Chennai (2019).
- Best Poster Presentation Award for the paper entitled "Funding agencies and their research priorities" in the 5th National Workshop on Research Methodology held at Institutional Research Board (IRB) and Medical Education Unit, Trichy SRM Medical College Hospital and Research Center, Trichirapalli (2018).
- Best Presentation Award for the research paper entitled "Identification of Bioactive Compounds and their Invitro Antidiabetic Activity Properties of Marine Macro Algae" in the International Conference on Emerging Areas of Biotechnology for Human Welfare and Bio-Entrepreneurship held at School of Life Science, Crescent Institute of Science and Technology, Chennai (2018).
- University Research Fellowship awarded by Management of AMET University, Chennai (2016).
- Best Presentation Award for the research paper entitled "Green Synthesis of Silver Nano Particles from Ethanolic seed extract of *Leucas aspera* (Linn) and Anti-inflammatory Activity" in the National level seminar on Animal Welfare and Ethics held at School of Biotechnology, Karunya University, Coimbatore (2015).
- Best Presentation Award for the research paper entitled "Biosynthesis of Silver Nano Particles from *Achyranthes aspera* (Linn) and its Anti-diabetic, Anti-inflammatory and Antioxidants Properties in Rats" in the National level conference on Intellectual Property Rights in Biodiversity and Biotechnology held at Department of Zoology, A.V.V.M Sri Pushpam College, Thanjavur.

SUMMARY OF THE PUBLICATIONS

- | | |
|-----------------------------------|------|
| • Total Number of Publications | : 36 |
| • Number of SCI indexed Journal | : 10 |
| • Number of Scopus Publications | : 18 |
| • Number of other journals | : 08 |
| • Number of invited book chapters | : 03 |

SUMMARY OF THE CONFERENCE AND WORKSHOP PARTICIPATION

- | | |
|---|------|
| • Total no. of workshop attended | : 06 |
| • International conference | : 10 |
| • National conference | : 04 |
| • Award received for best presentation in the conference | : 05 |
| • Full length article published in conference proceedings | : 03 |
| • Travel grant received for attending the workshop | : 01 |

- Undergone the internship training in the Department of Clinical Biochemistry Laboratory, Meenakshi Hospital, Thanjavur. Held from March 16th to April 16th, 2016.
- Undergone the Summer Training Program on Advanced Molecular Biology and Phytochemistry Techniques at Sharmila Institute of Medicinal Products Research Academy, Thanjavur. Held Duration 02nd June 2014 to 02nd July 2014.
- Undergone the Add-On Course on Computer-Aided Drugs Designing and Docking Studies Organized by Department of Bioinformatics, School of Biotechnology and Health Science, Karunya University, Coimbatore. Held from August 11th to September 22nd, 2014.

PUBLICATIONS

Papers from Impact Factor/ SCI Indexed

1. **Vijayaraj, R.**, Jayaprakashvel, M., & Altaff, K. (2025). Asian seabass (*Lates calcarifer*) larval rearing using cyclopoid copepod (*Apocyclops royi*) live feed: A new approach. *The Journal of Basic and Applied Zoology*, 86(1), 5. **(IF-1.1)**
2. Nawaz, M. A., Kandhasamy, S., Gurunathan, B., & **R. Vijayaraj**. (2023). Diversity rhythm in pontellid copepods (Pontellidae: Copepoda) from the Covelong coast pre-and post-COVID-19 lockdown, Bay of Bengal. *Turkish Journal of Zoology*, 47(2), 71-80 **(IF - 1.0)**.
3. **R. Vijayaraj**, Mani Jayaprakashvel and Kareem Altaff (2022). Inhibitory Activity of Chitin, 2-Acetamido-2-Deoxy-Hexopyranose against Penicillin Binding Proteins of *Staphylococcus aureus*, *Coatings*. 2022; 12(12):1854 **(IF- 3.4)**.
4. **R. Vijayaraj**, Sri Kumaran, N., & Altaff, K. (2022). Toxicity evaluation of novel antidiabetic compound (11-methoxy-2-methyltridecane-4-ol) from marine macro alga, *Gracilaria edulis*. *Journal of Biologically Active Products from Nature*, 1-9 **(IF- 0.9)**.
5. **Vijayaraj, R.**, Altaff, K., & Kumaran, N. S. (2022). Volatile bioactive compounds from marine macro-algae and their pharmacological properties. *Indian Journal of Geo-Marine Sciences*, 51(10), 832-842. **(IF- 0.553)**
6. **Vijayaraj, R.**, Kurinjinathan, P., Rajesh, K., Anandan, K., Thayanithi, V., & Devendran, P. (2022). Investigation on Photocatalytic Activity of Copper (II) Oxide Nanoparticles for the Bio Fabrication and Industrial Applications. **Chemistry Africa**, 1-7 **(IF - 2.6)**.
7. **Vijayaraj, R.**, Altaff, K., Rosita, A. S., Ramadevi, S., & Revathy, J. (2021). Bioactive compounds from marine resources against novel corona virus (2019-nCoV): in silico study for corona viral drug. *Natural Product Research*, 35(23), 5525-5529. **(IF- 2.488)**.
8. Avarave, S., Thomas, J., **Vijayaraj, R.**, & Altaff, K. (2021). Synergistic protective effect of *Camellia sinensis* leaf buds and *Camellia sinensis* flowers against cisplatin-induced nephrotoxicity in rats and characterization of its bioactive compounds. *Natural Product Research*, 1-5 **(IF- 2.488)**.
9. **Vijayaraj, R.**, Sri Kumaran, N., Altaff, K., Ramadevi, S., & Sherlin Rosita, A. (2019). In Silico pharmacokinetics and molecular docking of novel bioactive compound (11-methoxy-2-methyltridecane-4-Ol) for inhibiting carbohydrates hydrolyzing enzyme. *Journal of Biologically Active Products from Nature*, 9(6), 445-456 **(IF-0.9)**.
10. Kumaran, N. S and **Vijayaraj, R.** (2017). Biosynthesis of silver nanoparticles using *Abutilon indicum* (Link): An investigation of anti-inflammatory and antioxidant potential against carrageen induced paw edema in rats. *Asian Journal of Pharmaceutics*. 11(02) **(IF - 0.46)**.

Papers from SCOPUS/ Web of Science Indexed Journal

1. Panneerselvam, K., Warriar, A. R., Mathiarasu, R. **R., Vijayaraj.**, & Krishnan, R. (2024). Nonenzymatic Selective Electrochemical Determination of Dopamine Using Fe³⁺-Doped Hydroxyapatite. In *International Conference on Recent Advancements in Materials Science and Technology* (pp. 541-553). Cham: Springer Nature.
2. **R. Vijayaraj** and K. Altaff. Anatomy and histological evaluation of the reproductive system of marine calanoid copepod *Centropages furcatus* from a mass culture perspective. *Aquatic Research*, 6(4), 233-244.
3. Sivakumar K., Begum D. I., **Vijayaraj R.** and Altaff K.: Reproductive biology of the calanoid copepod *Eucalanus monachus*. *Intern. J. Zool. Invest.* 9(1): 681-689, 2023.
4. **Vijayaraj R.** and Altaff K. Evaluation of feeding habit and reproductive potential of calanoid copepod, *Temora discaudata* for cultivation and use as live feed for marine finfish larvae. *Intern. J. Zool. Invest.* 10(2): 153-165, 2024.
5. **Vijayaraj, R.**, Altaff, K., Jayaprakashvel, M., Muthezhilan, R., Saran, B., Kurinjinathan, P., & Govindan, L. (2023). Chitin-Derived Silver Nanoparticles for Enhanced Food Preservation: Synthesis, Characterization, and Antimicrobial Potential. In *Micro* (Vol. 3, No. 4, pp. 912-929).
6. Nawaz, M. A., **Vijayaraj, R.**, Baskar, G., Meenakshi, S. V., & Sivakumar, K. (2023).

Enrichment of *Dioithona rigida* (Giesberch, 1896) with different microalgal diets and its effect on survival and growth of *Lates calcarifer* (Bloch, 1790) larvae. *Iranian Journal of Ichthyology*, 10(1), 41-48.

7. Altaff, K., & **Vijayaraj, R.** (2021). Micro-Algal Diet for Copepod Culture with Reference to Their Nutritive Value—A Review. *Int J Cur Res Rev*. Vol, 13(07), 86.
8. **Vijayaraj, R.**, Sri Kumaran, N. S., Aarthi, N., & Kumaresan, M. (2018). A Novel Approach to Synthesis and Characterization of Silver Nanoparticles from Gorgonian *Primnoa* Spp. and Their Biomedical Approach: An *In Vitro* Studies. *Journal of Bionanoscience*, 12(6), 827-835.
9. **Vijayaraj, R.**, Sri Kumaran, N (2018). In vitro anti-inflammatory activity of silver nanoparticle synthesized *Avicennia marina* (Forssk.) Vierh.: A green synthetic approach. *International Journal of Green Pharmacy*, 12(03).
10. **Vijayaraj, R.**, Sri Kumaran, N (2018). Protective effect of *Lawsonia inermis* Linn. on chronic inflammation in rats. *International Journal of Green Pharmacy*, 12(03).
11. **Vijayaraj, R.**, Sri Kumaran, N (2018). Evaluation of in vivo antidiabetic and antioxidant activity of *Achyranthes aspera* Linn. seeds by streptozotocin induced diabetic rats. *International Journal of Green Pharmacy*, 12(01).
12. Nadarajah, S. K., **Vijayaraj, R.**, & Mani, J. (2017). Therapeutic significance of *Loligo vulgaris* (Lamarck, 1798) ink extract: A biomedical approach. *Pharmacognosy research*, 9(Suppl 1), S105.
13. Kumaran, N., **Vijayaraj, R.**, Kumaresan, M., & Jayaprakashvel, M. (2017). Eco-Friendly Synthesis of Silver Nanoparticles from Marine Ascidian, *Didemnum psammathodes* and Its In Vitro Anti-Inflammatory Properties. *Journal of Bionanoscience*, 11(6), 560-566.
14. Kumaran, N., **Vijayaraj, R** Importance of Barcoding and Molecular Systematics of Marine Ascidians: A Mini Review, *Indian Journal of Forensic Medicine & Toxicology* 11 (2), 551-554.
15. **Radha, V.**, Jayaprakashvel, M. & Altaff, K. (2022). Role of Heat Shock Protein Influencing Bioactive Compounds from Mangrove Tropical Estuarine Microalgae for Enhancement of Copepod Egg Production in Culture System. *Marine Science and Technology Bulletin*, 11, 280-287.
16. Altaff, K., & **Vijayaraj, R.** Influence of Heat Shock Protein (HSP-70) Enhancing Compound from Red Alga (*Porphyridium cruentum*) for Augmenting Egg Production in Copepod Culture—A New In Silico Report. *Marine Science and Technology Bulletin*, 10(2), 186-192.
17. **Vijayaraj, R.**, & Kumaran, N. S. (2017). Biosynthesis of silver nanoparticles from *Hibiscus rosa sinensis*: An approach towards antimicrobial activity on fish pathogen *aeromonas hydrophila*. *Int J Pharm Sci Res*, 8, 5241-6.
18. Sri Kumaran, N., & **Vijayaraj, R.** (2017). Biosynthesis of silver nano particles from *Leucas aspera* (willd.) link and its anti-inflammatory potential against carrageen induced paw edema in rats. *Int. J. Pharm. Sci. Res*, 8, 2588-2593.

Papers from Non Indexed Journal

- 1 **Vijayaraj, R.**, Jayaprakashvel, M., & Altaff, K. (2022). Efficacy of *Apocyclops royi* (Cyclopoida, Copepoda) Nauplii as Live Prey for the First Feeding Larvae of Silver Pompano, *Trachinotus blochii* (Lacepède, 1801). *Asian Journal of Fisheries and Aquatic Research*, 20(4), 29-34.
- 2 Karen, K. K., Jesse Joel, T., Lalitha, S., Shabeena, M., & Rex, J. **R. Vijayaraj.** (2016). Efficacy and Comparative Evaluation of Antimicrobial Properties from the Peel of Citrus Fruits used to Treat Diabetic Foot Ulcer. *Asian Journal of Biochemical and Pharmaceutical Research*, 1(6), 151-166.
- 3 **Vijayaraj, R.**, Kumar, K. N., Mani, P., Senthil, J., Jayaseelan, T., & Kumar, G. D. (2016). Hypoglycemic and antioxidant activity of *Achyranthes aspera* seed extract and its effect on streptozotocin induced diabetic rats. *Int J Biol Pharm Res*, 7, 23-8.
- 4 **Vijayaraj, R.**, Kumar, K. N., Mani, P., Senthil, J., Kumar, G. D., & Jayaseelan, T. (2016). Green synthesis of silver nanoparticles from ethanolic seed extract of *Acranythes aspera* (Linn.) and its anti-inflammatory activities. *Int J Pharm Ther*, 7, 42-8.
- 5 **Vijayaraj, R** and Sri Kumaran. (2019). In vivo and In vitro Models for Biological Screening of Anti-Diabetic Drugs, *International Journal of Pharmacy and Biological Sciences* 9 (2), 294-298.
- 6 **Vijayaraj, R** and Sri Kumaran. (2018). Bioprospecting of snake venoms: a mini review, *The Pharma Innovation Journal* 7, 163-165.
- 7 **R. Vijayaraj** and R Vidhya (2016). Biological activity of *Achyranthes aspera* Linn: A review, *Asian J Biochem Pharm Res* 6, 2231-2560.
- 8 **Vijayaraj, R** and Sri Kumaran. (2018). A Mini Review On Bioprospecting Of Fish Venom, *International Journal of Creative Research Thoughts*, 6 (2) 1177-1181.

Book Chapter

1. **Radha Vijayaraj** and Kareem Altaff (2024). Bioactive molecules from marine macroalgae for the management of diabetes mellitus with reference to their inhibitory activity: An overview. In Herbs for Disease Prevention and Treatment (pp. 1-24). Bentham Publisher.
2. Altaff, K., & **Vijayaraj, R.** (2024). Zinc in Marine Ecology and Environment. In Zinc (pp. 49-60). CRC Press.
3. Mutheszilan, **R., Vijayaraj,** & Altaff, K. (2024). Marine microalgae as aquafeed in fish and shrimp farming: Towards sustainable aquaculture practices. In Life Below Water: Marine Conservation.
4. **R. Vijayaraj** and Kareem Altaff (2021). Pharmacokinetics properties of novel antiviral compound Esculetin ethyl ester from marine sponge *Axinella corrugate* for SARS-CoV-2 therapy - An *in Silico* Approach. *The Current Pandemic Covid -19*, pp. 1-9.

CONFERENCE/ WORKSHOP PARTICIPATION International

1. Presented Scientific research paper entitled "Influence of Microalgal Diets on the Mass Production of Apocyclops royi (Cyclopoida, Copepoda) and Efficacy of A. royi Nauplii as Live Prey for First Feeding Larvae of Silver Pompano, Trachinotus blochii (Lacepède, 1801)" in the World Ocean Science Congress 2024 on the theme of "Sustainable Utilization of Oceans in Blue Economy" jointly organized by NIOT, IIT - Madras, and VIBHA at IIT-Madras Research Park, Chennai held from 27th to 29th February 2024.
2. Presented Scientific research paper entitled "Molecular Taxonomy of Marine Copepods from Bay of Bengal based on MT-COX1 & 18s rRNA gene barcoding techniques" for the 3rd International Conference On Genome Biology and 53rd Annual Aqua-Terr Day held during 28th – 2nd February, 2022 organized by School of Biological Science, Madurai Kamaraj University, Madurai.
3. Presented Scientific research paper entitled "Heat Shock Protein -70 Influencing Bioactive Compounds from Mangrove Tropical Estuarine Microalgae and Their Role on Copepod Egg Production - A New *In Silico* Report" for the International Conference on Conservation of Mangrove Ecosystem: Synergies for fishery Potential held during 19th – 21st November, 2020 organized by Department of Environmental Science, University of Kerala, India & Estuarine and Coastal Science Association, UK.
4. Presented Scientific research paper entitled "Tetrapyrrole Derivative: A Promising Novel Compound against Type-II Diabetes Mellitus" for the International Conference on Frontiers Marine Science challenges and Prospects (Maricon-2019) held during 16-20 December 2019 organized by School of Marine Science, Cochin University of Science and Technology, Kerala, India.
5. Presented Scientific research paper entitled "Identification of Bioactive Compounds and their *In vitro* Antidiabetic Activity Properties of Marine Macro Algae" for International Conference on Emerging Areas of Biotechnology for Human Welfare and Bio-Entrepreneurship. Held during 11th and 12th, September 2010, Organized by School of Life Science B.S. Abdur Rahman Crescent Institute of Science and Technology, Chennai.
6. Presented a scientific research paper entitled "Identification of Bioactive Compounds and Synthesis of Silver Nanoparticles from *Avicennia marina* (Forssk.) Vierh and Its Anti-inflammatory Properties - *In vitro* Studies" for the International conference on Herbal and Natural Compounds as the Future of Pharmacology and 7th Annual Meet of the national society of Ethanopharmacology. Held during 27th February to 1st March 2017, Organized Department of Biochemistry and Biotechnology, Avinashilingam University, Coimbatore.
7. Presented a scientific research paper entitled "Green Synthesis of Silver Nanoparticles and Anti-inflammatory Activity of *Achyranthes aspera* (Linn.) In Carrageenan induced paw edema" for the International conference on Frontiers in Life Science (ICFLS- 2016). Held during 7th and 8th January 2016, organized by the Department of Botany, School of Biological Science, St. Joseph's College (Autonomous), Tiruchirappalli.
8. Presented a scientific research paper entitled "Green Synthesis of Silver Nanoparticles and Anti-inflammatory Activity of *Leucus aspera* (Linn.)" in Carrageenan induced paw edema" for the International conference on Frontiers in Life Science (ICFLS- 2016). Held during 7th and 8th January 2016, organized by the Department of Botany, School of Biological Science, St. Joseph's College (Autonomous), Tiruchirappalli.
9. Presented a scientific research paper entitled "Green Synthesis of Silver Nanoparticles and Antidiabetic Activity of *Achyranthes aspera* (Linn.)" for the

international conference on Converging Biotechnological Innovation for Health, Food and Environmental Welfare (ICCBI-2015) held during 2nd to 4th November 2015, organized by the Department of Biotechnology, school of Biotechnology and Health science, Karunya University, Coimbatore.

National

1. Presented Scientific research paper entitled "Characterization of Anti - Diabetic Compound (11-Methoxy-2- Methyltridecane-4-Ol) From Marine Macro Algae" for the National Conference on Bioprospecting from Marine Resources for Biotechnological Applications: Opportunity and Challenges held on 24th and 25th July 2019 organized by the Centre for Drug Discovery and Development, Sathyanama Institute of Science and Technology, Chennai.
2. Presented Scientific research paper entitled "Exploration of Bioactive compounds from marine macroalgae against Diabetic Mellitus" for the National Conference on Biochemistry and Therapeutics of Diabetes and Cancer Treatment & Challenges. Held during February 28 & March 1, 2019, organized by Dept. of Plant Biology & Biotechnology, Loyola College, Chennai.
3. Presented Scientific Research Paper entitled "Evaluation of invitro Antidiabetic and Antioxidant activity of *Achyranthes aspera* Linn. Seeds on Streptozotocin-Induced Diabetic Rats" for the National Conference on "Innovation and Future Challenges in Biotechnology", Held during 26-28, March-2018 Organized by Department of Biotechnology, Sri Venkateshwara University, Tirupati, A.P.
4. Presented a scientific research paper entitled "Biochemical and Lipid Profile Evaluation of *Achyranthes aspera* L Seeds in Streptozotocin-Induced Diabetic Rats." for the National level Conference on Trends in Healthcare and Biotechnology: Opportunities & Challenges, Held during the period of 22nd and 23rd January 2016, organized by PG and Research Department of Zoology with Biotechnology, A.V.V.M Sri Pushpam College (Autonomous), Poondi, Thanjavur.
5. Presented a scientific research paper entitled "Green Synthesis of Silver Nano Particles from Ethanolic seed extract of *Leucas aspera* (Linn.) and Antiinflammatory Activity." for the National level seminar on Animal Welfare and Ethics. Held during 11th and 12th December 2015 organized at the Department of Biotechnology, School of Biotechnology, Karunya University, Coimbatore.
6. Presented a scientific research paper entitled "Biosynthesis of Silver Nano Particles from *Achyranthes aspera* (Linn) Seeds on Antidiabetic, Antiinflammatory and Antioxidants Properties in Rats." for the National level conference on Intellectual Property Rights in Biodiversity and Biotechnology (IPRBB - 2015). Held during the period of 15th and 16th September 2015 organized by PG and Research Department of Zoology, A.V.V.M Sri Pushpam College (Autonomous), Thanjavur.
7. Presented a scientific research paper entitled "Phytochemical Screening and GC-MS evaluation of *Achyranthes aspera* (Linn.)" for the National level technical symposium EVOGEN-14 held during 19th and 20th September 2014 organized at Department of Biotechnology, School of Biotechnology and Health Science, Karunya University, Coimbatore.
8. Presented a scientific review paper entitled "Advanced rDNA Technology and its Application of Drug Developments - A Review." for the National level conference on Advanced Developments of Medical Chemistry in Target Drugs Design (MCTD-2014). Held on 11th and 12th September 2014, organized by Department of Chemistry, Kongunadu arts and science college, Coimbatore.

Workshops Attended

1. Completed Training program on Improved Technologies for Breeding, Seed Production, and Farming of Candidate Brackishwater Finfishes, organized by the Institute of Brackishwater Aquaculture (Ministry of Agriculture and Farmers Welfare), Chennai during September 7th to 13th, 2024.
2. Participated in the AquaBiz - 2024: Agri Business Residential Incubation Programme For early stage entrepreneurs in Aquaculture sector, organized by the Agri Business Incubation Centre (ABI), ICAR-Central Institute of Brackishwater Aquaculture (Ministry of Agriculture and Farmers Welfare), Chennai during 22.01.2024 to 27.01.2024.
3. Invited as Resource Person and Evaluator in the 31st National Children's Science Congress - 2023 (NCSC) organized by National Council for Science and Technology Communication – NCSTC, Department of Science and Technology (DST) Govt. of India and Tamil Nadu Science Forum (TNSF) held at Madras Christian College, Tambaram on 21.10.2023.
4. Participated in the DST sponsored "Hands-on Training Program on Various Sophisticated Scientific Instruments and Techniques" Under the Scheme of Synergistic Training Program Utilizing the Scientific and Technological Infrastructure (STUTI), Department of Science and Technology (DST), Govt. of India, held on 22.11.2022 to 28.11.2022 organized by University of North Bengal (NBU), West

- Bengal. (Received travel grants from NBU & fully funded by NBU).
5. Participated in the DBT sponsored Five Days Hands-on Training on "Mass Production of Marine Live Feeds" held on 22nd -26th August 2022 organized by Marine Planktonology & Aquaculture, Department of Marine Science, Bharathidasan University, Tiruchirappalli.
 6. Participated in one-week DBT Sponsored National Workshop on Hands on Training on "Fish Cell Culture Techniques: Development and Applications" held on 25th to 30th January 2021 organized by Aquatic Animal Health Laboratory, C.Abdul Hakeem College, Melvisharam.
 7. Participate in two days of Hands-on training on "Electrophoresis techniques" held on 11th & 12th December 2020 Organized by OPRL Bioscience Pvt. Ltd. Chennai.
 8. Participate two days workshops on "Advanced Chromatography Techniques - GCMS & HPLC" held on 22nd & 23rd February 2019 organized by Periyar Technology Business Incubator (PTBI), Periyar Maniammai Institute of Science and Technology, Thanjavur.
 9. Participate as a Delegate in the 5th National Workshop on Research Methodology held from 26th-29th September 2018 Organized by Institutional Research Board (IRB) and Medical Education Unit, Trichy SRM Medical College Hospital and Research Center, Trichirapalli.
 10. Participate in two days workshop in "Recent Advance in Biological Science" held during 8th and 9th December 2017 Organized by Center for Advanced Studies in Botany, University of Madras, Chennai.
 11. Participate ICMR sponsored Workshop on "Experimental Animal Ethical Guidelines and Bioefficacn Studies for Biotechnical Application" held during January 9th and 10th, 2014, organized at the Department of Biotechnology, School of Biotechnology, Karunya University, Coimbatore.
 12. Participate in Hands-on training on "Advanced Immunology and Immunotechnology" held on 20th to 26th October 2014, conducted by Sharmila Institute of Medicinal Products Research Academy, Thanjavur.

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