KIRUBA . R M.Sc., M.Phil., PGDBI., NET, (PhD)
M 248, VOC Nagar
4th Street, TNHB
Ganapathy
Coimbatore- 641006.

Email - id: kirubadevi.r@gmail.com
Contact No: +91 9790172735

Career Objective

Seeking a challenging position to gain experience and contribute to student development and educational needs, while grooming the young generation with my knowledge and teaching experience, aligned with the organization's mandate.

Career Summary

- Qualified **UGC-NET for the eligibility for Assistant professor** in December, 2018
- Completed **PG Diploma in Bioinformatics** in KASC, Coimbatore.
- Currently pursuing **PhD Biotechnology- PT** in Bharathiar University.
- **Three years and six months of teaching experience** at the under-graduation and post-graduation level
- Completed AICTE approved FDP course categorized under Biological Sciences & Bioengineering in Swayam - NPTEL portal, ATAL portal.
- Outstanding ability to handle up to date biotechnology theory and practical at the under-graduation and post-graduation level
- Remarkable ability to teach, inspire and develop young people to have excellent written and oral communication skills
- Imparting Problem based learning system

Work experience (3.5 years)

Assistant professor, July 2022- Till Date
Department of Biotechnology (PG), **PSGR Krishnammal College for Women**, Coimbatore

Assistant professor, November 2020- December 2021
Department of Biotechnology**, Kongunadu arts and science college**, GN Mills, Coimbatore

Assistant professor, June 2016- April 2017
Department of Biotechnology, **Rathnavel Subramaniyam College for arts and science**, Sulur, Coimbatore

- Class advisor of I MSc course for the academic year 2023
- NAAC, NIRF- Criteria Data compilation
- Development of E Content for Design Thinking course
- Online teaching tools familiarisation- Nearpod, Kahoot, Easy testmaker, Mentimeter etc
- Taught undergraduate and post graduate courses.
- Assisted students with research and external funding.
- Monitored student progress and provided feedback.
- Developed and implemented departmental and college initiatives.
- Contributed to academic and administrative committees.

Professional development

- Attended TLC – FDP one week course for curriculum and student development.
- Algae Biotechnology an online non-credit course authorized by University of California San Diego and offered through Coursera.
- Industrial Biotechnology an online non-credit course authorized by University of Manchester and offered through Coursera.
- Attended 3 FDPs in PSGR KCW on Designing pedagogy, stress management, design thinking.
- Completed AICTE approved FDP course of 4 weeks duration categorized under Biological Sciences & Bioengineering in Swayam - NPTEL portal
- Participated & completed successfully AICTE Training and Learning (ATAL) Academy Online Elementary FDP on "Innovation Management for Nurturing Entrepreneurship Culture in Educational Institutes.
- Online certificate course on Digital teaching techniques, organized by ICT Academy.

Techniques Known

- DNA isolation, RNA isolation, Plasmid isolation
- PCR
- Reverse Transcriptase PCR, Colony PCR, Multiplex PCR, Real time PCR
- Bioinformatics tools and data bases. Datamining, systems biology.
- Plant Tissue culture
- Southern blot
- Agrobacterium mediated genetic transformation
- Gene gun mediated genetic transformation

- *E.coli.* transformation
- Biochemical analysis
- Bioinformatics-Molecular docking, network pharmacology, Phylogenetic analysis. Etc.

Projects Completed

- Study of FAD 7 cold tolerant gene by expressing in tobacco (sponsored by DBT and TNSCST- (2009- 2010)
- Production and Characterization of Transgenic Tobacco and Tomato with *At* Fatty Acid Desaturase 7 (FAD7) for Cold Tolerance.
- Both the project has been approved by Institutional Bio Safety committee (IBSC)
- Gamma-D-crystallin eye lens protein is targeted for senile cataract- an in silico analysis.
- Characterization of Phycocyanins and Preparation of Lather From Spirulina
- Identification of Microplastics as Emerging Contaminant in Branded Milk of, Tamil Nadu State, South India
- *In silico,* molecular docking of Cinnamon with protein target Epidermal Growth Factor Receptor (EGFR)involved in bladder cancer
- *In silico* Drug Discovery for HIV-1: A Focus on Chemokine Receptor CCR5
- *In silico,* molecular docking of Withanolide Q with BCL2 receptor involved in coronary heart disease

Training

- UKIERI sponsored joint workshop on "Plant Molecular Farming" organized by Bharathiar University- India and St. George's University of London- UK held at Bharathiar University, Coimbatore.
- Participated in NAAC Sponsored National level seminar on “Evaluation reforms for quality Education in Higher Education institution” - DST SERB Sponsored One Day Virtual Workshop on Scientific Writing organized by the Molecular Toxicology Laboratory, Department of Biotechnology, Bharathiar University, Coimbatore.
- Participation in the National Level Faculty Development Programme on Skill Development for innovation in academic and research organized by the Department of Biotechnology, Sri Ramakrishna College of arts and science(autonomous), Coimbatore held on 16,17 april,2021.

- International Virtual Training on Women Entrepreneur and Women Empowerment under DBT Star Scheme organized by Department of Botany, Nirmala College for Women, Coimbatore.
- Hands on training on Mining of bioactive metabolities- TNAU 0n 24.08.22-26.08-22

Achievements

- Won Fellowship awarded by Tamil Nadu State Council for Science and Technology – "TNSCST – DBT Sponsored Programme – Student project scheme" for the academic year 2009- 2010.
- Received Rs 10,000 for TNSCST – DBT fellowship.
- Served as Students representative during my post graduation.
- Attended International Workshops in Bharathiar University.
- Participated in several National Seminars and National conferences.
- Presented papers in various National conferences.
- Won best paper award in Bharathiar University.(2022)

Value Added Courses

- Dakshina Bharat Hindi Prachar Sabha, Chennai. B.A- Hindi, Rashtrabhasha Praveen (2008)
- Post Graduate Diploma in Computer Application, in TN Gov Reg, ISO 9001, Institution - IMF, Coimbatore.
- Diploma MS Office, certificate course in Bharathiar University, Coimbatore.

Academic Profile

- Bharathiar University, Department of Biotechnology, School of Biotechnology and Genetic Engineering, **PhD**., Biotechnology PT (currently pursuing).
- Bharathiar University, Department of Biotechnology, School of Biotechnology and Genetic Engineering, **M.Phil**., Biotechnology Regular (2011).
- Bharathiar University, Department of Biotechnology, School of Biotechnology and
- Genetic Engineering, **M.Sc**., Biotechnology (73%) (2010).
- Kongunadu Arts and science college, (Bharathiar University) Coimbatore, PG Diploma in Bioinformatics, **PGDBI** (80%) (2021)
- Nirmala College for Women (Bharathiar University) Coimbatore, **B.Sc**., Plant Biology and Plant Biotechnology (87%) (2008).
- Higher secondary course certificate- SGN HSS, (77%) (2005).

- Secondary school leaving examination- SGN HSS, (91%) (2003).

Publications

1. Rajeev Kumar Sarma, **Rajamani Kiruba**, Srinivasan Balamurugan, Helia G Cardoso, Arnholdt- Schmitt Birgit, Ahmed Zakwan and Ramalingam Sathishkumar. A carrot antifreeze protein enhances cold tolerance in transgenic tomato. (Acta Physiologiae Plantarum). Impact Factor:1.63

2. S.R. Kumar**, R. Kiruba**, and R. Sathishkumar, Genetically Engineered Tomato with Improved Chilling Tolerance. South Asia Biosafety program Newsletter, April 2018, Vol.15.

3. **Kiruba Rajamani** and R Sathishkumar, Gamma-D-crystallin eye lens protein is targeted for senile cataract- an in silico analysis. International Educational scientific research journal.2021, Volume : 7 , Issue : 8

4. **Kiruba Rajamani ***, and Kavitha S Extraction, Characterization of Phycocyanins and Preparation of Lather From Spirulina. JETIR ,2021, Volume 8, Issue 1, 2111109.

5. **Rajamani Kiruba** *, Preethi. M , Aganasteen. R , Rithick raj .M , Hannah Thabitha .C, Monica. P, Sakthivel. J , Levince. C , Naseera Banu. I Identification of Microplastics as Emerging Contaminant in Branded Milk of, Tamil Nadu State, South India, Asian Journal of Biological and Life Sciences, Vol 11, Issue 1, Jan-Apr, 2022**.** DOI: 10.5530/ajbls.2022.11.25

6.Genbank Submissions

GenBank OQ945461
GenBank OQ435301
GenBank OQ872383

Personal Profile:

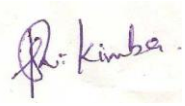
Date of Birth	:	01-05-1988
Nationality	:	Indian
Sex	:	Female
Husband's Name	:	Mr. M. Vivekanand
Languages known	:	English, Tamil, Hindi, Kannada

Reference:

1. **Dr. R. Sathishkumar**, Professor & Head, School of Biotechnology & Genetic Engineering, Bharathiar University, Coimbatore.

Declaration:

I, Kiruba. R do hereby confirm that the information given above is true to the best of my knowledge.



Kiruba. R

Date: 05-10-23 Place: Coimbatore