

RESUME

Dr. S. ANJANA PRIYA M.sc, M.Phil., Ph.D.

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CAREER OBJECTIVE

I aspire to take myself in challenging career and to work hard for the development of the organization and willing to willing to work as a key player by being resourceful, innovative & flexible

WORKING EXPERIENCE

S.NO	Position held	Name of the institute	From	To
1	Assistant professor	Sourashtra college	August -2023	
2	Assistant professor	PKN Arts and Science College	November-2020	August-2022
3	Assistant professor	The American college	July-2016	April-2017
4	Assistant professor	The American college	July-2011	December-2013
5	Assistant professor	SP College of Arts and Science	June-2009	June-2011
6	Lab in charge	ANTENNA TRUST Spirulina Production & Research Centre	January-1999	January -2004

RESEARCH OBJECTIVES OF MY DOCTORAL THESIS

“Bioremediation of heavy metal using genetically engineered microbial consortium from municipal solid waste dumpsite, Vellakal, Madurai.”

The scope of my research work is to evaluate pollution potential and degrade the heavy metals in municipal solid waste by the use of genetically modified bacteria through the process of bioremediation to ensure the safe and environmentally sound disposal of waste.

- To evaluate pollution potential due to heavy metals from vellakkal, dump site Madurai.
- To study the seasonal and depth wise variation of metal contents in municipal solid waste and leachate sample.
- To assess the heavy metal concentration in soil, leaf and ground water sample in surrounding environment around municipal solid waste dumpsite to evaluate the pollution level.

- Isolation of heavy metal resistant bacteria from solid waste and leachate. Bioremediation of heavy metal from the municipal solid waste by using genetically modified bacteria and consortium.
- To study the efficiency of genetically modified bacteria on bioremediation of heavy metal by composting process.

GENE BANK SUBMISSION

S.No	Heavy metal resistant Bacteria	NCBI Accession number
1	<i>Bacillus cereus</i> AVRB25	MH507189
2	<i>Bacillus megaterium</i> AVRB09	MH511611
3	<i>Citrobacter freundii</i> AVRB13	MH553156
4	<i>Enterococcus casseliflavus</i> AVRB08	MH507192
5	<i>Providencia rettgeri</i> AVRB 20	MH327529
6	<i>Providenciarettgeri</i> AVRB16	MH511578
7	<i>Pseudomonas aeruginosa</i> AVRB11	MH424728
8	<i>Psychrobacter celer</i> AVRB23	MH553166
9	<i>Pseudomonas fluoresence</i> TDAV20	OM642110

ORGANIZED WORKSHOP

Organized Two-Day Work Shop on Bio – Entrepreneurship dated on 18th & 19th October 2023, at Department of Microbiology, Sourashtra college, Madurai.

EDITORIAL BOARD MEMBER

Being a associate editor at royal book publishing – International (Partner of Eleyon publishers)

International Journal of Biology Research ISSN: 2455-6548

REVIEWER

Indian Journal of Science and Technology ISSN:0974-6845

Journal of Tropical Life Sciences ISSN:2527-4376

RESOURCE PERSON

Invited as a guest speaker for Three-week Faculty Development Programme on “Research Innovations in Biological Sciences and Physical Sciences” 23rd March to 21 April at Syed Ammal Arts and Science College Ramanathapuram.

Being one of the research committee member at Green Bubble Algal Works Private Limited, Bangalore, from 2020 and Sai Eswar Biosciences, Chennai from 2022.

PUBLICATION

- **Anjanapriya.S., Sasirekha.N., Shridevi.N** Genetic transformation of *E.coli* with catabolic plasmid from *Pseudomonas* sp. International journal of current science.2012,2:32-36.
- Shridevi.V.,**Anjanapriya.S** and Sasirekha.N Studies on biochemical changes in rabbit (*Oryctolagus cuniculus*) treated with aluminium compounds, International Journal of Current Science. 2012,2:105-112.ISSN 2250-1770.
- **Anjanapriya.S.,** Sureka.M., Gunasundhari,P., Meenakshi,N., Sasirekha, N. Providencia rettgeri AVR20 with multiple tolerance of Heavy metals from municipal solid waste dump site. Journal of material and Environmental Science, 2021, 13(1):1-8.ISSN:2028-2508.
- James Walter A., Christina Caroline, J., Judith Caroline, J., **Anjanapriya, S.** Toxic and mutagenic impact of ethidium bromide traces on growth of *E. coli* KL226.International Journal of Current Science. 2013,8 E,28-32.
- Velladurai, P., **Anjanapriya, S.,** Judithcaroline,J., Sasireka, N. Studies on residual analysis in rabbit (*Oryctolagus cuniculus*) treated with aluminium compounds, International Journal Current Microbiology and Applied Science.2014,3(1),120-126.
- Judith Caroline, J., Christina Caroline, J., Sasirekha, N., **Anjana Priya, S.** Screening for Fecal Coliforms from Different Drinking Water Sources in Madurai City and Testing the Efficacy of Plant Extracts against the Isolates. International Journal Current Microbiology and Applied Science, 2015, 12(2),-617-622.
- **Anjanapriya.S.,** Lalitha.S. Preliminary assessment of heavy metals in municipal solid waste open dumpsite around Madurai district. International Journal of Discovery, 2016,52(241),
- **Anjanapriya.S.,** Lalitha.S. Isolation of metal resistant bacteria from municipal solid waste dumpsite, Madurai. International Journal of Science Invention today. 2017,6(5),673-685.ISSN-2319-5436.
- **Anjanapriya.S.,** Lalitha.S. Mobilization and deposition of Heavy metals in soil around Municipal Solid Waste dumpsite. International Journal of Science Invention today.2017, 6(5)659-672.
- **Anjanapriya,S.,** Mumtaz,M., Abdul Kader Mohideen,M.M., A. Radha, A., S.Sasirekha, N., Sawicka., Tamizhazhagan, V. Pharmaceutical Pollution Crisis in the World: A Menace to Ecosystem. Entomology and Applied Science Letters. 2021, 8(1), 77-89.
- Mumtaz, M., Sasirekha,N., Abdul Kader Mohideen,M.M., **Anjanapriya,S..** Tamizhazhagan. V. (2021). Assessment of heavy metals concentration in cow's food chains of Madurai District. Indian Journal of Natural Sciences.2021,12(68).01-10.

- **Anjanapriya,S.,** Gunasundari,P., Meenakshi,N., Sasirekha,N. Heavy Metal Pollution in Soil and Water Around Landfill Dumpsite. International Journal of Zoology and Applied Bioscience.2021,6(6), 299-304.

BOOK PUBLICATION

- **Subramaniam Anjanapriya,** Identification of ctla-4 gene polymorphism graves' hyperthyroidism. ISBN 978-620-5-51039-1, 1-46. Lambert Academic Publication.2022.
- Subramaniam Anjanapriya, Cell Biology and Biochemistry Lab Manual. ISBN 978-620-5-51040-7, 1-85. Lambert Academic Publication.2022.
- **Subramaniam Anjanapriya,** A Critical and Bibliographic Review on Paracetamol & Ibuprofen. ISBN 978-620-4-74444-5, 1-66. Lambert Academic Publication.2022.

BOOK CHAPTER PUBLICATION

- **Anjana Priya, S.:** Effects of Hazardous Substances in Municipal Solid Waste from Environmental crisis and sustainable development: An educational Perspective.ISBN:978-81-929575-7-9,199-202. Nivi publication, Tirunelveli 2016.

PARTICIPATION AND PRESENTATION

- Participated three days state level workshop on "Molecular Biology Techniques" at Sourashtra College, Madurai.
- One day International symposium on "Emerging Issues on Health a Comprehensive Therapeutic Approach" at Fatima College, Madurai.
- Two days National conference on "Recent Trends in Life Science Research-2016" at Annamalai University, Chidambaram.
- Two days international conference on "Challenges and Opportunities in Life Sciences" at Meenakshi College Madurai.
- One day international conference on "New Horizons, Emerging Challenges and Recent Paradigms in Food Mediated Immunity and their Role in Human Health and Longevity" at The American College Madurai.
- Two days National conference on "Recent Trends in Aquatic Ecology, Utility, Conservation and Sustainable Management" at Government First Grade College, Chickballapur, Karnataka.
- Participated three days National level workshop on "RECENT TRENDS IN LIFE SECINCE" at Anantha College, Devakottai.
- Awareness workshop on Intellectual property rights (IPR) at Lady Doak College, Madurai.
- Science Academics lecture workshop at Sri Kaleeswari College.

HANDS ON TRAINING

Participated one-month hands on training on “Genome Sequencing Technology” at Exon Bioscience, TICEL Biotechnology, Tharamani, and Chennai.

EDUCATIONAL QUALIFICATION

Degree	Institution	University	Year of passing	Class of Marks
PhD Microbiology	Bharathiyar University	Bharathiyar University	2020	
M.phil-Microbiology	Bharathiyar University	Bharathiyar University	2015	First
M.phil-Biotechnology	Alagappa University	Alagappa University	2008	First
Msc-Microbiology	Madura College	Madura College	2004	First
Bsc- Biochemistry	Ambiga college	Madurai Kamaraj University	1999	Second

PERSONAL PROFILE:

Name : S. ANJANA PRIYA
Husband's Name : S. P.Velmurugan
Gender : Female
Date of Birth : 11-03-1978
Marital status : Married
Nationality : Indian

Declaration

Hereby I declare that the above furnished information are all true and correct to the best of my knowledge.

Date:

Yours sincerely,

Place: Madurai

[S. Anjanapriya].