

# DR. R. DEEPA PRIYA

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Ayanavaram,  
Chennai-600023.



## CAREER OBJECTIVE

To obtain a meaningful and highly adaptable to challenging the position that enables me to learn to render all of my services to its full potential, for the growth of the respected Concern.

## EDUCATION QUALIFICATION

- 2019**                      **Ph.D** in Biotechnology (**Highly commended**), SRM Institute of Science and Technology, Kattankulathur, Kancheepuram
- 2009**                      **Mater of Philosophy** in Plant Biology and Biotechnology (**First class with outstanding**), Loyola College, Chennai
- 2008**                      **Master of Science** in Plant Biology and Plant Biotechnology (**First class**), Ethiraj College for Women, Chennai
- 2006**                      **Bachelor of Science** in Plant Biology and Plant Biotechnology (**First class**), Ethiraj College for Women, Chennai

## CERTIFICATE COURSE

Completed an NPTEL course from IIT and secured “**Successfully completed the course**” certification for “**Nanotechnology in Agriculture**” and “**Biomedical Nanotechnology**”

## CAREER CHRONOLOGY

Organization	Period	Designation
Mohamed Sathak College of Arts & Science, Chennai	July 2023- At present	Assistant Professor
SRM Institute of Science and Technology, Ramapuram	Sep 2022- Dec 2022	Assistant Professor (Visiting Faculty)
Aarupadai Veedu Institute of Technology, VMRF, Chennai	July 2018 – May 2019	Assistant Professor

## RESEARCH EXPERIENCE

Organization	Period	Total experience
SRM Institute of Science and Technology, Kattankulathur	Jan 2010- March 2018	8.2 Years

## **OTHER PROFESSIONAL RESPONSIBILITIES**

- Serving as an **Exam cell Coordinator** for Department of Biotechnology, AVIT
- Serving as a **mentor and advisor** for the student's community in the Department of Biotechnology, AVIT
- Serving as an **IQAC Coordinator** and actively worked as team member for **ISO and NAAC** audit preparation
- Actively worked as a team member for the preparation of new syllabus "Life Science Technology"
- Serving as a **Rotaract Club Coordinator** for the college
- Serving as a **plastic free campus Coordinator** for the college

## **AWARDS/PRIZES**

1. "*In vitro* Biological Screening of *Capparis zeylanica* Linn." presented at A National conference on Implementation of Nanotechnology in Food Processing organized by Pavendar Bharathidasan College of Engineering and Technology, Tiruchirappalli on March 21<sup>st</sup>, 2012 and **won 1<sup>st</sup> prize.**
2. "*In vitro* anticancer properties of bioactive compounds isolated from Proso and Barnyard millet in Colon cancer cell line" presented on the International Conference on Applications of natural products and opportunities Ahead –ICAN 2016 organized by B.S. Abdur Rahman University, Vandalur, Chennai on August 2<sup>nd</sup>-3<sup>rd</sup>, 2016 and **won 1<sup>st</sup> prize.**

## **MEMBERSHIP IN PROFESSIONAL BODIES**

- Life Member of **the Indian Society for Technical Education**, New Delhi.

## **AREA OF EXPERTISE**

- **Handing Instruments:** Inverted Microscope, Phase Contrast Microscope, Fluorescence Microscope, Micro plate reader, Chemidoc System, Cooling centrifuge
- **Extraction techniques:** Supercritical fluid extractor, Soxhlet Apparatus, Rota vacuum evaporator.
- Chromatographic (Column, TLC, HPLC, GC-MS, LC-MS) and Spectroscopy (UV, IR, NMR) techniques and phytochemical analysis
- **Molecular Biology:** Isolation of DNA and protein, Agarose gel electrophoresis, SDS-PAGE, Western blotting.
- **Immunology:** The different tests used to observe antigens and antibodies; immunoassay, Western Blot, and Elisa.
- **Cell Biology:** Sectioning and Cellular level of Plant life, Morphology of cell lines, cell staining methods
- Cell culture: Cell lines maintenance, Cells counting, Cells Staining techniques *and in vitro* studies.

- **Other Technical Skills:** Expertise in MS Office, SPSS, GraphPad Prism, Image J and Image studio lite.

**Area of interest:** Cell Biology, Molecular Biology, Plant tissue culture, Plant Biotechnology, and immunology.

### **SUBJECT HANDLED**

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|----------------------------------|-----------------------|
| 1. Fundamentals of Biotechnology | 4. Bioinstrumentation |
| 2. Genetic Engineering           | 5. Biochemistry       |
| 3. Plant Biotechnology           | 6. Various labs       |

### **PUBLICATIONS**

1. **Deepa Priya R, Aishwarya Lakshmi J, Veena H, Kirubanandan Shanmugam. A Review of Textile Fabrication Using Bioactive Compounds Derived from Natural Products, Proceedings of Anticancer Research. 2023; 7(6), 7-12.**
2. **Deepa priya Ramadoss, Nageswaran Sivalingam. Vanillin extracted from Proso and Barnyard millets induces cell cycle inhibition and apoptotic cell death in MCF-7 cell line, J Cancer Res Ther. 2021; 17(6), 1425-1433.**
3. **Deepa priya Ramadoss, Nageswaran Sivalingam. Vanillin extracted from Proso and Barnyard millets induce apoptotic cell death in HT-29 human colon cancer cell line, Nutrition and Cancer 2020; 72(8), 1422-1437.**
4. **Deepa priya R, Nageswaran S. Vanillin extracted from Proso millet and Barnyard millet induce Apoptosis in HT-29 and MCF-7 cell line through mitochondria mediated pathway. Asian J Pharm Clin Res 2017;10:226-229.**
5. **R. Deepa priya, Anitha R Efficacy of *Solanum xanthocarpum* Schrad. & Wendl. Fruit Extract on Phytopathogenic Fungi, International journal of Phytopharmacology 2014; 5(2), 85-89.**
6. **R. Deepa priya, D. Jacintha Jasmine, P. Agastian *In vitro* Alpha Glucosidase Inhibitory Activity and GC-MS Analysis of *Capparis zeylanica* Linn, International Journal of Pharmaceutical science review and research 2013;18, 97-99.**
7. **R. Deepa priya, D. Jacintha Jasmine, P. Agastian. *In vitro* Antibacterial and Antifungal Activity of *Capparis zeylanica* Linn. Leaf Extracts, Journal of Pharmacy Research 2012; 5(8), 4449-4453.**
8. **R. Deepa priya, D. Jacintha Jasmine, P. Agastian. *In vitro* Free Radical Scavenging Activity of *Capparis zeylanica* Linn. Inventi Rapid: Ethnopharmacology, Inventi journal 2010; 1(1).**

**CONFERENCES/ SEMINAR/ SYMPOSIUMS/ WORKSHOPS  
ATTENDED AND PAPER PRESENTED**

- 2024** National Conference on Biotechnological Approaches for Current Challenges- BIOTA 2024, SONA college of Arts and Science, Salem.
- 2023** 2<sup>nd</sup> International Webinar on Multidisciplinary Approaches in Biotechnology, Vivekanandha College of Engineering for Women, Tiruchengode, Namakkal
- 2019** Workshop on Nanomaterial's Research for Improved Health Care organized by Centre of Excellence for Nanotechnology Research & Department of Humanities and Science, Aarupadai veedu Institute of Technology, Chennai
- 2018** Hands on Training for Advanced Molecular Biology Techniques, Department of Biotechnology, Aarupadai veedu Institute of Technology, Chennai
- 2018** 7<sup>th</sup> International Translational Cancer Research Conference–2018, IIT Madras, Chennai
- 2016** International Conference on Applications of natural products and opportunities Ahead –ICAN 2016, B.S. Abdur Rahman University, Vandalur, Chennai
- 2013** National Seminar cum Workshop on Basic Cell Culture Techniques in Animal Biotechnology, Sathyabama University, Chennai
- 2012** A National level conference on Implementation of Nanotechnology in Food Processing, Pavendar Bharathidasan College of Engineering and Technology, Tiruchirappalli
- 2011** Implication of Biotechnology on Biodiversity and its Conservation, 2011, Ethiraj College for Women, Chennai
- 98<sup>th</sup> Indian Science Congress, SRM Institute of Science and Technology
- 2010** International Conference on Bioengineering, SRM Institute of Science and Technology
- 2009** One day seminar on “*Climatic Changes: Biodiversity and Livelihoods*” Madras Christian College, Tambaram, Chennai
- National conference on biotechnological approaches to next green revolution, Loyola College, Chennai
- State level seminar on “*Entrepreneurship Skills in Biotechnology – 2008*”, Loyola College, Chennai

**FACULTY DEVELOPMENT PROGRAMME ATTENDED**

- Attended the faculty development programme on “Effective Implementation of Outcome Based Education (OBE)” held on 24<sup>th</sup> July 2018.

**NUMBER OF PROJECTED GUIDED**

➤ UG student projects : 2

**Title:** Fabrication of Textile Fabrics with Plant Extracts for Enhanced Antimicrobial Activity

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### ACADEMIC RESEARCH DETAILS

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**Doctoral Research:**

**Title:** Isolation and characterization of bioactive compound from Proso and Barnyard millets and assessment of *in vitro* anticancer effect in Colon and Breast cancer cell lines, SRMIST.

**Master of Philosophy:**

**Title:** *In vitro* Antibiological activities of *Capparis zeylanica* Linn. Loyola College, Chennai

**Master of Science:**

**Title:** Efficacy of *Solanum xanthocarpum* fruit extract on Phytopathogenic Fungi, Ethiraj College for women, Chennai.

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### PERSONAL DETAILS

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Father Name : E. Ramadoss  
Date of Birth : 21<sup>th</sup> FEB 1985  
Sex : Female  
Nationality : Indian  
Marital Status : Married  
Languages known : English and Tamil  
Technical skills : Six months course in Bio-informatics, Basics in Lab techniques

### REFERENCES

Dr. S. Nageswaran  
Associate Professor,  
Dept. of Biotechnology,  
SRM Institute of Science and Technology,  
Kattankulathur,  
Kancheepuram-603203.

Dr. R. Devika.,  
Professor & Head,  
Department of Biotechnology,  
AVIT, OMR, Paiyanoor,  
Chennai- 603104

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**I hereby declare that all the statements made in the above curriculum vitae are correct to the best of my knowledge and belief.**

**Place: CHENNAI**

**Yours Sincerely,**

**Date: July 10, 2023**

**(Dr. R. DEEPA PRIYA)**

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