

# **DHIYANESH E**

303F, Indian Nagar 7<sup>th</sup> Street, Periyachettipalayam, 46 -Pudur (PO),  
Erode, Tamil Nadu – 638002.

**Mobile:** 9500664935

**Email:** [dhiyaneshkvpk@gmail.com](mailto:dhiyaneshkvpk@gmail.com)



## **ENTRY LEVEL BIOTECHNOLOGY POST GRADUATE**

As a recent MSc Biotechnology graduate, my goal is to use my academic background and laboratory skills to make an effective contribution to the research and development sector in a dynamic and innovative research setting. I am eager to apply my biotechnology knowledge to research initiatives, experimentation, data analysis, and the development of novel biotechnological solutions. Through collaborative teamwork and a commitment to excellence, I hope to advance scientific knowledge and make a significant contribution to the organization's research goals.

### **CORE SKILLS**

- **Drug development:** Nano-particle synthesis, Phytomedicine development.
- **Microbial techniques:** Aseptic, Staining, Culturing, Isolation and 60 Differentiation techniques.
- **Plant Tissue Culture:** Embryo, Callus, Protoplast, Anther and seed culture techniques.
- **Molecular biology:** DNA, RNA extraction, Blotting, Electrophoresis.
- **Food techniques:** Adulteration assay, Probiotic product formation, Wine production.
- **Recombinant DNA and Genetic engineering techniques:** Restriction, Ligation and Transformation.
- **Chromatography techniques:** Paper, Thin Layer, Column Chromatography.
- **Immunological techniques:** Immunoelectrophoresis, ELISA, Rocket electrophoresis, Immunodiffusion.

### **KEY SKILLS**

- Experimental design
- Methodology
- Problem-solving
- critical thinking
- Adaptability
- Team management
- Communication
- Time management

### **LANGUAGE KNOWN**

- Tamil (R/W/S)
- English (R/W/S)
- Malayalam (S)
- Hindi (R)

## **EDUCATION**

- **Degree: M.Sc.**  
**College:** K. S. Rangasamy College of Arts and Science (Autonomous), Tiruchengode  
**Year:** 2022-2024  
**Course:** Biotechnology  
**CGPA:** 8.4
- **Degree: B. Sc.**  
**College:** Kongu Arts and Science College (Autonomous), Erode  
**Year:** 2016-2019  
**Course:** Biotechnology  
**CGPA:** 6.9

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## INTERNSHIPS AND TRAINING

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- **Duration:** 15 days  
**Subject:** Clinical Microbiological Techniques  
**Place:** Sun Microbiology lab in Erode  
**Date:** May, 2017.
- **Duration:** 15 days  
**Subject:** Molecular biology techniques  
**Place:** Centre for Biotechnology and Nanoscience Research (CBNR), Coimbatore  
**Date:** April, 2018.
- **Duration:** 15 days  
**Subject:** Food technology and Drug discovery  
**Place:** Armats Biotek, Chennai  
**Date:** May, 2024.

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## PROJECT EXPERIENCES

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- **Year:** 2018 – 2019  
**Duration:** 6 months  
**Project title:** “Precipitation of cow urinary proteins and its antibacterial activity”.  
**Project type:** Team  
**Project theme:** Cow urinary protein was precipitated by different solvents such as acetone, chloroform, ether and estimated by Lowry’s method. Antibacterial activity was performed for the precipitated proteins against *E. coli*, *Proteus vulgaris*, *Pseudomonas aeruginosa*.
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- Year:** 2023 – 2024
- Duration:** 6 months
- Project title:** “Development of Millet-based yogurt by using Lactic acid producing probiotic bacteria to alleviate symptoms of Irritable Bowel Syndrome (IBS)”
- Project Type:** Individual
- Project theme:** Probiotic bacteria was isolated from fermented kidney beans curd and analysing their biochemical, probiotic and molecular characterization. Using that bacteria Finger millet yogurt was prepared.

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## COMPUTER SKILLS

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- Microsoft Word expert, with vast experience in document production, formatting, and sophisticated capabilities. Expertise in the use of templates, styles, and collaborative tools for effective document management.
  - Expert in Microsoft office, excel and power point.
  - Freelancing experience in Adobe tools (Photoshop, Premiere pro, After effects).
  - Know to work on IBM SPSS Statistics software.
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## WORK SHOPS AND CONFERENCES

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- Has participated in **One-Day workshop** on “**Systematic training to develop preclinical skills by employing laboratory animals**” organized by Department of Pharmacology, Nandha College of Pharmacy, Erode on January, 2019.
- Has Presented an **Oral presentation** in the title of “**Development of Medicinal Food products for the treatment of Irritable Bowel Syndrome (IBS) using the combination of extracted Thymol compound from *Cuminum Cyminum*, *Phyllanthus emblica* extract and *Menthae piperitae aetheroleum***” on Recent Advancement and Journey of Medicobiological and Material Science (ICRAJMMS - 2023)” at K.S.R College of Arts and Science for Women, Tiruchengode, Tamil Nadu held on 17 march, 2023.

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## EXTRA CURRICULAR ACTIVITIES AND ACHIEVEMENTS

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- Has awarded the certificate of appreciation for voluntary blood donation 3 times, during the Blood donation Camp held at Kongu Arts and Science College, Erode.
- Has written a Novelette “**I surrendered to her Bliss**” and published by Autumn leaves publication under ISBN in May, 2024.

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## DECLARATION

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

**Place:** Erode

**Date:** 07/06/2024

**Yours truly,**

Dhiyanesh E.

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