



## Dr. Gabrial K. Patrick

Assistant Professor

### Faculty

Faculty of Basic and Applied Sciences.

### School / Program

School of Applied Sciences.

### Faculty Introduction (Five to Six Lines)

**Dr. Gabrial K. Patrick** is an Assistant Professor of Microbiology and Biotechnology at GM University. Pursued Ph.D. in Environmental Microbiology from Kuvempu University, focusing on the isolation and characterization of bioactive compounds from freshwater microalgae. Major research work on *Microalgae* and its potential industrial applications. Dr. Patrick has contributed to multiple national projects, published in reputed journals, and presented at international conferences. He also serves as a reviewer for *Trends in Science* and remains active in academic and sports communities.

### Contact

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### Qualifications

**Ph.D. (Environmental Microbiology)**  
Kuvempu University, Shimoga, 2022

**M.Sc. (Microbiology)**  
GM University – Davanagere, Karnataka, 2010

**B.Sc. (C.Z.Mb)**  
Kuvempu University, Davanagere, 2008

### Experience

#### Teaching

- 7 Years

#### Industry

- 3 Years

#### Research

- 7 Years

### Training Program Attended

- Attended 3 days Research methodology training programme at NISU, Bangalore- October 2019
- Attended the Hands on training regarding Molecular biology workshop at GMIT, Davangere on 22<sup>nd</sup> and 23<sup>rd</sup> May 2025.

### Research Interest

- Microbiology: Microbial Isolation and Characterization its bio-prospection.
- Ecology: Phycoremideation, Microalgal bioactive compounds.
- Agriculture Microbiology: Organic farming –Bio fertilizers (PGPR and Mycorrhizae) and Bio pesticides.

### Awards & Achievements

- **Worked for** DST-SERB, Major Research project “Experimental studies on the additive effect of PGPR and hydrolytic enzyme in Niger plants infected with AM fungi”. at Karnataka University, Dharwad.
- Represented the **Kuvempu University football team twice** and participated in the **Tennis** inter-college tournament of Kuvempu University (2<sup>nd</sup> place).

### Publication / Patents

- Ph.D. Dissertation:
- National Conference Papers: 2
- International Conference Papers: 1
- National Journal Papers: 3
- International Journal Papers: 8

### Professional Membership

- NA

### Awards & Recognitions

- NA

### Administrative Responsibilities

- IQAC Co-ordinator, Sports coordinator at Department Level
- Member of IQAC, Research and NSS Infrastructure & Maintenance committee at University Level

### Workshops / FDPs / Seminars Attended

- Attended 15 National Conferences, 4 International conferences.
- 2020 Oral paper Presentation on “Bio indicators of climate change, in the International Virtual Conference **on “Biodiversity and Ecosystem Services in a Climate Change Perspective”**, organized by Centre for Climate Change, Environmental Management and Policy Research Institute (EMPRI), Bengaluru.
- 2021 Research paper entitled **“Microalgal biomass and its derivatives with multiple applications”** is presented in International Webinar on **“Current Trends and Alternative Approaches to Target COVID-19”** held on 7th and 8th of August, 2021. Organized by Department of Chemistry, Sahyadri Science College, Kuvempu University, Shimoga-577203.
- 2021 Paper presented in UGC sponsored 2nd International Conference on Climate Change and Its Effect on Environment, Food and Society, article entitled **“Environmental Significance of the microalgal (Chlorophyceae) diversity, and it's Cultivation for Biomass using Waste water”** organized by Department of B. Voc., Arts, Commerce and Science College. Maharashtra.
- 2021 Research paper entitled **“Assessment of Microalgae as a bioindicator, a study in the lakes of Davangere district”** is presented and communicated in International Conference of (IVC-BES) Environmental Management and Policy Research Institute (EMPRI) journal, Bangalore.
- Presented a Guest lecture on “Environmental and Health” in DRM Science College Dvangere, 30<sup>th</sup> Aug 2024.
- Attended a one-day State-level conference on “Plant Taxonomy” in the Botany department, DRM Science College, DVG. Date: 8<sup>th</sup> October 2024.

#### Workshops / FDPs / Seminars Organized

- Organised Seminar on “Neoteric Advances in Microbiology” Date: 22<sup>nd</sup> – 23<sup>rd</sup> December 2018 Organised by: Department of Microbiology, Shyadri Science College, Shimoga.
- Organized Rajiv Gandhi University, Inter zonal football tournament on 31<sup>st</sup> -1<sup>st</sup> Aug- Sep 2023 in Davangere.

#### Projects Guided

- UG Projects- 06
- PG Projects- 04

#### **Funded Projects / Grants Received**

- NA

#### **Any Other Contributions**

- As part of research, two microalgal strains were isolated and registered under GMU. Further research is in progress.
- As a part of an NGO, Organized and participated in Environmental awareness programmes (jointly with KSPCB, Davangere).
- As a Football player and club member of DFC, organized and coached football teams in Davangere.