

## PROFILE OF THE LECTURER

Sri. G.P. CHAKRAVARTHI

Lecturer in Biotechnology

PR Govt. Degree College, Kakinada

☎ 95021 91501

### Professional Summary

Experienced Lecturer in Biotechnology with 16 years of teaching and research experience. Skilled in molecular biology, biotechnology, and academic leadership roles. Qualified in CSIR UGC NET, recipient of Indian Academy of Sciences Summer Research Fellowship, and active contributor in research on cancer genomics and proteomics.

### Academic Qualifications

- M.Sc., Biochemistry, University of Hyderabad
- M.Tech, Biotechnology, University of Hyderabad (HCU)

### Teaching & Professional Experience

- Lecturer, Pithapur Rajah's Government College, Kakinada (Oct 2021 – Till date)
- Lecturer, VSR Govt. Degree College, Movva (Jan 2013 – Oct 2021)
- Assistant Professor, GITAM University, Visakhapatnam (2009 – 2013)
- Senior Research Fellow, LVPEI, Hyderabad (2007)

### Research Work / Projects

- Study of SNPs in microRNA coding genes in oral cancer and precancer patients using PCR-RFLP, TaqMan Assay, and DNA sequencing – conducted at Indian Statistical Institute, Kolkata
- Identification of polymorphism/mutation in mitochondrial DNA HVSI region in oral cancer and lichen planus patients – conducted at Indian Statistical Institute, Kolkata.
- Analysis of genetic variations in cancer-related microRNAs to establish molecular markers for oral cancer prognosis.
- Explored bioinformatics approaches to analyse DNA sequencing data for mutation detection.

- Limbal stem cells cultivation on human amniotic membrane as an SRF at LVPEI, Hyderabad.
- Isolation and partial cloning of profilin from parthenium hysterophorus as a part of M.Tech at University of Hyderabad

### **Publications**

- Revolutionizing Biotechnology: The Pivotal Role of Computational Instrumentation (ISSN 1000-1239)
- AI and Machine Learning in Biotechnology (ISSN 2231-4190)
- DNA Methylation and its Impact in Cancer Generation (ISSN 2277-5706)
- Role of Oxidative Stress in Human Health (ISSN 0974-6943)

### **Key Achievements / Responsibilities**

- Qualified in CSIR UGC NET and attained JRF-NET
- Qualified in ICMR and attained JRF
- Selected as Summer Research Fellow by Indian Academy of Sciences (2013)
- Completed SWAYAM Course in Introduction to Proteomics with 90% aggregate
- Serving as BOS Chairman for UG Biotechnology at P.R. Government Degree College (A), Kakinada, Affiliated to Aadikavi Nannaya University, Rajamahendravaram
- Serving as BOS Member for UG Biotechnology at Visakha Government Degree College(A)for Women, Visakhapatnam, Affiliated to Andhra University
- Serving as BOS Member for UG Biotechnology at SPACES Autonomous Degree College, Tuni, Affiliated to Andhra University
- Served as BOS Chairman for UG Agriculture at Krishna University
- Acted as BOS Member for UG Biotechnology at Krishna University
- Examination In-charge (2015–2017) at VSR GDC Movva
- UGC Coordinator at VSR GDC Movva
- Store In-charge at VSR GDC Movva
- Delivered Guest Lecture on RNA interference (RNAi) at SRR & CVR Govt. Degree College, Vijayawada (2020)
- Conducted Social Awareness Programme on Covid-19 prevention at VSR Govt. College (2020)

### Academic Trainings / FDPs / Seminars Attended

Nature of Training / Seminar	Venue	Date
Interdisciplinary Refresher Course in Biological Science (Online)	UGC- MMTTC University of Madras	6th to 18th October,2025
EdX course in Biotech to Business (Online)	Technical University, Munich	25th June 2024
NEP 2020 Orientation & Sensitisation Programme	UGC-MMTTC Osmania University	23rd to 31st May 2024
Capacity building training program in Life Sciences	University of Hyderabad	19th to 31 <sup>st</sup> Jan 2024
Inter Disciplinary Refresher Course in Advanced Research Methodology	TLC, Ramanujan College, University of Delhi	22nd April to 6th May 2023
Capacity building program in English	EFLU Hyderabad	10th to 21 <sup>st</sup> Apr 2023
Professional Development Programme on Implementation of NEP 2020 for University & College Teachers	IGNOU	7th to 15 <sup>th</sup> October 2022
FDP (Online)	APCCE	07th to 11th Sep 2020
FDP on Innovative Teaching	Coimbatore Institute of Technology (Online)	06th to 10 <sup>th</sup> July 2020
Online workshop on "Online Course Design, Development and Delivery"	University of Hyderabad	28th to 30 <sup>th</sup> June 2020
FDP on Analytical & Diagnostic Tools	Andhra University (Online)	05th to 06 <sup>th</sup> Jun 2020
SWAYAM FDP on Introduction to Proteomics	SWAYAM	August to October 2019
Refresher Course	Andhra University	07th to 27th Mar 2015
Summer Research Fellowship Programme	ISI Kolkata	1st May to 30 <sup>th</sup> June 2013
Orientation Course	Andhra University	19th Jan to 15th Feb 2013