

# **Resume**

## **PROFILE OF THE LECTURER**

### **G.P. CHAKRAVARTHI**

Lecturer in Biotechnology

PR Govt. Degree College, Kakinada

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### **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 Fellowship, and active contributor in research on cancer genomics and proteomics.

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### **Academic Qualifications**

- M.Sc., M.Tech, University of Hyderabad (HCU)
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### **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)
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### **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 University of Hyderabad.
  - Identification of polymorphism/mutation in mitochondrial DNA HVSI region in oral cancer and lichen planus patients – conducted at LVPEI Hyderabad.
  - Analysis of genetic variations in cancer-related microRNAs to establish molecular markers for oral cancer prognosis.
  - Explored bioinformatics approaches to analyze DNA sequencing data for mutation detection.
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## 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)
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## Key Achievements / Responsibilities

- Qualified in CSIR UGC NET and attained JRF-NET
  - Selected as Summer Research Fellow by Indian Academy of Sciences (2013)
  - Topped SWAYAM Course *Introduction to Proteomics* with 90% aggregate
  - Serving as BOS Chairman for UG Agriculture at Krishna University
  - Acting as BOS Member for UG Biotechnology at Krishna University
  - Worked as BOS Chairperson for UG Biotechnology at Krishna University
  - Serving as Chairman for Restructured Committee at the college
  - 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)
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## Academic Trainings / FDPs / Seminars Attended

Nature of Training / Seminar	Venue	Date
NEP 2020 Orientation & Sensitisation Programme	MMTTC Osmania University	23–31 May 2024
Capacity building training program in Life Sciences	University of Hyderabad	19–31 Jan 2024
Inter Disciplinary Refresher Course	TLC, Ramanujan College,	22 Apr – 6

	University of Delhi	May 2023
Capacity building program in English	EFLU Hyderabad	10–21 Apr 2023
FDP (Online)	APCCE	07–11 Sep 2020
FDP on Innovative Teaching	Coimbatore Institute of Technology (Online)	06 Jul – 10 Nov 2020
FDP on Analytical & Diagnostic Tools	Andhra University (Online)	05–06 Jun 2020
SWAYAM FDP on Introduction to Proteomics	SWAYAM	Aug – Oct 2019
Refresher Course	Andhra University	07–27 Mar 2015
Summer Research Fellowship Programme	ISI Kolkata	May – Jul 2013
Orientation Course	Andhra University	19 Jan – 15 Feb 2013