

# **Profile of the Lecturer**

## **PROFILE OF THE LECTURER**

### **G.N.V. SATISH**

Lecturer in Biotechnology

P.R. Govt. Degree College, Kakinada

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### **Professional Summary**

Dedicated academician with 14 years of teaching experience in Biotechnology and hands-on research in molecular diagnostics. Trained under BCIL's BITP, with expertise in protein expression, cloning, antibody development, and cytogenetics. Committed to innovative teaching and student development.

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### **Academic Qualifications**

- M.Sc. in Biotechnology, P.G.P College of Arts and Science (Periyar University, Salem), 2008
  - B.Sc. in Biotechnology, P.R. Govt. College (Andhra University), 2006
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### **Teaching & Professional Experience**

- Guest Lecturer in Biotechnology, P.R. Govt. Degree College, Kakinada (June 2011 – Till date)
  - Research Associate, Genomix Molecular Diagnostics Pvt. Ltd., Hyderabad (June 2009 – May 2011)
  - Trained under BCIL's Biotech Industrial Training Program (BITP) (Nov – 2008 – May – 2009)
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### **Research Work / Projects**

- Cytogenetic studies on blood samples of breast cancer patients using G-Banding and karyotyping techniques – conducted at Indo-American Cancer Research Institute, Hyderabad.
  - Analysis of chromosomal aberrations such as gaps, breaks, SAT associations, and multiploidy in breast cancer patients post-chemotherapy.
  - Cloning, expression, and purification of TB antigenic proteins for diagnostics – conducted at Genomix Molecular Diagnostics Pvt. Ltd., Hyderabad.
  - Raising species-specific antibodies against malaria parasite for development of IVD kits – conducted at Genomix Molecular Diagnostics Pvt. Ltd., Hyderabad.
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## Publications

- Complication to Protected Water Sources of Tekkali Mandal of Srikakulam District, Andhra Pradesh, India ( ISSN: 2349-6002)
- AI and Machine Learning in Biotechnology (ISSN 2231-4190)

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## Key Achievements / Responsibilities

- Qualified APSET conducted by Andhra University, Vishakhapatnam
- Trained under BCIL's Biotech Industrial Training Program (BITP)
- Handled projects on cloning, expression, purification of TB antigens at Genomix Molecular Diagnostics Pvt. Ltd.
- Developed polyclonal antibodies for malaria parasite diagnostics at Genomix Molecular Diagnostics Pvt. Ltd.
- Published research article: AI and Machine Learning in Biotechnology (ISSN 2231-4190)

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## Academic Trainings / FDPs / Seminars Attended

Nature of Training / Seminar	Venue	Date
Training of Trainers (ToT) in Zoology, Biotechnology, Biochemistry	CCE Andhra Pradesh	11–15 Mar 2024
Training on English Medium of Instruction & Proficiency in English	CCE Andhra Pradesh	19–24 Jun 2023
Webinar on Importance of Undergraduate Research in Microbiology & Biotechnology	Department of Microbiology & Biotechnology	8/12/2022
FDP ( Online )	Organized by Department of CSE, Pragati Engineering College (A),	1/6/20 to 6/6/20
Biotech Industrial Training Program (BITP)	Genomix Molecular Diagnostics Pvt. Ltd., Hyderabad	6 months