

# Dr. Ganapati Bhat Ph.D.

Principal Scientist

Kadamba Green Technologies



## Research

- Dynamic life science professional with 13+ years of experience in R&D, proteomics, glycomics, cancer biology, and protein engineering.
- Skilled in advanced mass spectrometry techniques, biomarker discovery, and therapeutic target identification.
- Recognized for contributions to cancer diagnostics, assay development, and interdisciplinary research bridging biology and engineering.
- Published extensively in high-impact journals and recipient of multiple international awards and fellowships.

## Education

- Ph.D. in Biochemistry (Protein Engineering & Glycobiology) – Karnataka University/IISc Bengaluru (2008–2014)
- M.Sc. Biochemistry – Karnataka University (2005–2007)
- B.Sc. Chemistry, Botany, Zoology – Karnataka University (2002–2005)

## Experience

- Assistant Professor – Dayananda Sagar University, Bengaluru (2019–2025)
- Leading research in biomarker identification for cancer phenotypes.
- Developing in vitro and cell-based assays, enzymatic and microbiological assays.
- Mentoring Ph.D., PG, and UG research projects.
- Syllabus coordinator under National Education Policy.
- Senior Research Associate – Complex Carbohydrate Research Centre, University of Georgia, USA (2018–2019)
- Proteomics, glycomics, GC-MS, tumour antigen analysis.
- Collaborative projects across USA and Europe.
- Conducted training sessions for academia and industry.
- Postdoctoral Research Associate – University of Nebraska Medical Center, USA (2014–2017)
- Oncology research, biomarker identification, tumour antigen discovery.
- Developed diagnostic assays and therapeutic strategies.
- Recognized for innovation in prostate cancer methodology.

## Awards and Recognitions

- Innovation Award (2017) – UNeMed Research & Innovation, University of Nebraska Medical Centre.
- Outstanding Performance Award (2015) – UNMC, Dept. of Biochemistry & Molecular Biology.
- Society for Glycobiology Travel Award (2015) – San Francisco, USA.

## Fellowships

- Senior Research Fellowship – CSIR (2011–2014)
- Junior Research Fellowship – UGC (2010–2011)

## Honours

- Chaired scientific sessions at national and international conferences (2020–2021).
- Invited judge for poster presentations at biotechnology conferences.
- Research & Publications
- 23+ peer-reviewed publications in journals such as ACS Chemical Biology, Journal of Experimental & Clinical Cancer Research, Biochim Biophys Acta, Glycobiology.
- Research focus: glycan-mediated mechanisms in cancer, biomarker discovery, protein engineering, and therapeutic assay development.
- Notable work: “Shifted Golgi targeting of glycosyltransferases in advanced prostate cancer” (Biochim Biophys Acta, 2017).

## Professional Excellence

- Advanced Mass Spectrometry (MALDI-TOF, LC-MS Orbitrap, GC-MS)
- Proteomics & Glycomics
- Assay Development (Immunoassays, ADCC, CDC)
- Molecular Biology (CRISPR-CAS9, cloning, mutagenesis)
- Protein Engineering & Therapeutics
- Confocal & High-Resolution Microscopy
- Project Development & Leadership

## Affiliations

- Active participant in international glycobiology and cancer research communities.
- Collaborator with academic and industry partners across USA, Europe, and India.