Resume of Dr. Babu A Manjasetty

Dr. Babu A. Manjasetty, *Professor,* Department of Postgraduate Studies and Research in Physics, Adichunchanagiri School of Natural Sciences, Centre for Research and Innovation, Adichunchanagiri University (*Contact:* babuams@acu.ac.in; *Phone:* +91-70222-69038)

Internationally recognized Physicist having strong expertise spread over multidisciplinary research for over 30 years.

Obtained Master's degree in Solid State Physics from University of Mysore with Distinction and Secured Second Rank.

Academic Tree: Linked to Nobel Laureates including Prof. Chandrashekara Venkata Raman, Max Perutz, Henry Bragg and Lawrence Bragg https://academictree.org/physics/tree.php?pid=913240

- Awarded University Grants Commission – Research Fellowship (UGC-JRF) and obtained Ph.D degree in Physics from University of Mysore for the thesis entitled, "Studies on mesogens with different rigid cores".
- Appointed as Lecturer in Physics from the Karnataka Public Service Commission (KPSC) and taught Physics at Government Science College, Bengaluru. A research activity was continued at the Molecular Biophysics Unit, Indian Institute of Science (IISc), Bengaluru, as a visiting scientist.
- **Awarded prestigious Alexander von Humboldt (AvH) fellowship from AvH foundation, GERMANY** for the research project entitled, "Towards the Crystal Structure Determination of Archaeal Nucleosome".
- Recipient of UNESCO International Center for Theoretical Physics (ICTP) fellowship, ITALY.
- Postdoctoral research at Max-Delbrück Centre for Molecular Medicine, Berlin, GERMANY, Biotechnology Research Institute, McGill University, Montreal, CANADA and University of California Santa Cruz, California, USA (funding from National Institute of Health, USA).
- Carried out research in the areas of Biophysics at leading Synchrotrons abroad:
  - *European Synchrotron Research Facility, Grenoble, FRANCE;*
  - *National Synchrotron Light Source, Brookhaven National Laboratory, New York, USA;*
  - *BESSY Synchrotron, Berlin, GERMANY and*
  - *Elettra Synchrotron Light Source, Trieste, ITALY).*
- Played an instrumental role for the success of the international collaborative projects between Indian funding agencies (*DBT and DST*) with the institutes abroad (European Molecular Biology Laboratory, FRANCE and ICTP, ITALY) and mentored more than 100 research students including scholars from various IITs, IISc, CSIR Labs as their part of Ph.D program.
- Published excess of eighty research articles in national and international journals. Delivered invited lectures/ presented papers more than hundred conferences in India and abroad andserved as reviewer/ member of editorial board for many international journals. Spent around 24 years abroad (USA, Italy, Germany and France from1997 to 2020).
- Since 2021, teaching M.Sc., Physics students at Adichunchanagiri University. Courses taught: Solid State Physics; Biophysics; Electronics; Chemical Crystallography; Spectroscopy; Protein Crystallography; Research Methodology; Physics of Materials, Biomedical Instrumentation, Optics, Thermodynamics, Electrostatics X-ray crystallography and Condensed Matter Physics.
- Fostering integrated multidisciplinary research to identify the novel inhibitors (drugs) for various diseases by adopting structure based drug screening in collaboration with various institutes in India and abroad, in order to aid development of effective therapeutics and drug discovery efforts.