

CURRICULUM VITAE OF
Dr. PURNA SUDHA BINDU AMBARU

Academic profile

- **Ph.D. in Biotechnology**, Manipal Academy of Higher Education (MAHE), Manipal Karnataka, 2018 – 2021
- **M.Sc (Cytogenetics and Plant breeding)**, Mumbai University, 2002-2004
- **B.Sc. (BZC)**, Andhra University, 1999 – 2002



Total Teaching and Research experience: 12

- **Assistant Professor**, Sardar Patel College (June 2024 – Present)
- **Subject Expert**, Biotechnika (Sept 2023 – May 2024)
- **Scientist- B**, School of life sciences, University of Hyderabad (Aug 2021 – March 2023)
- **DST Women Scientist-A**, Institute of Bioinformatics and Applied Biotechnology, Bangalore (Aug 2018 – July 2021)
- **Project Assistant**, Institute of Bioinformatics and Applied Biotechnology, Bangalore (Oct 2015 – July 2018)
- **Research Assistant**, Dept of plant biology, Stanford University, California, USA (July 2007 – April 2010)
- **Scientist**, Bioserve Biotechnologies India Pvt Ltd, (Aug 2004 – Jan 2007)

Awards / honours

- Awarded Women Scientist (A) grant by the Department of Science and Technology (DST), India.
- Won the best poster award at the 7th International symposium on current trends in Drug Discovery research, CSIR-CDRI, Lucknow, Feb 2019

Publications in International Journals

1. Singh, **B. Ambaru***, V. Bandsode, N. Ahmed (2022) Panomics to decode virulence and fitness in Gram-negative bacteria. *Frontiers in cellular and infection microbiology*, 1707. <https://doi.org/10.3389/fcimb.2022.1061596>. Shared first author in the paper *
2. **Ambaru B**, Gangadharan GM, Subramanya HS, Gupta CM (2022) Profilin is involved in G1 to S phase progression and mitotic spindle orientation during *Leishmania donovani* cell division cycle. *PLoS ONE* 17(3): e0265692. <https://doi.org/10.1371/journal.pone.0265692>
3. Gupta, Chhitar M., **Bindu Ambaru**, and Rani Bajaj. 2020. “Emerging Functions of Actins and Actin Binding Proteins in Trypanosomatids.” *Frontiers in Cell and Developmental Biology*. <https://doi.org/10.3389/fcell.2020.587685>

4. **Ambaru B**, Gopalsamy A, Tammana TVS, Subramanya HS, Gupta CM. Actin sequestering protein, profilin, regulates intracellular vesicle transport in Leishmania. *Mol Biochem Parasitol.* 2020;238: 111280.doi.org/10.1016/j.molbiopara.2020.111280
5. Bajaj R, **Ambaru B**, Gupta CM. Deciphering the role of UBA-like domains in intraflagellar distribution and functions of myosin XXI in Leishmania. *PLoS One.* 2020;15: e0232116. doi.org/10.1371/journal.pone.0232116
6. Lee, I., **Ambaru, B.**, Thakkar, P. et al. Rational association of genes with traits using a genome-scale gene network for *Arabidopsis thaliana*. *Nat Biotechnol* 28, 149–156 (2010). <https://doi.org/10.1038/nbt.1603> Shared first author in the paper *