**Dr Bhanupriya Ch**

**Assistant Professor**

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## Career objective

I am looking for an organization, which can lead my passion and aspiration towards a satisfying and rewarding career. I want to enhance the productivity and effectiveness of the institution with my knowledge and experience gained so far. I have 5 years teaching experience for both undergraduate and post graduate students and my expertise is in Plant Biotechnology, Plant tissue culture, Molecular Biology, Bioinformatics, Structural Biology, Functional genomics, Proteomics and Microbiology. Apart from teaching I have 6 years of research experience and would continue to do research in academics also. I can very well adapt to the new changes in academics and believes in team work. Apart from academics I can arrange various workshops and expert talks for the betterment of students.

## Professional experience

- Assistant professor, VIVA College, Mumbai University, Mumbai (2017 – 2022)
- Junior research assistant, D-Technologies, Food industry, Thane, Mumbai (2015)
- Research Scholar, (Advanced laboratory for plant genetic engineering, Advanced technology development centre, IIT Kharagpur)
- Senior research fellow Department of Biotechnology, Ministry of Science and Technology (2012 - 2013)
- Junior research fellow (2009 – 2012) NFCL, SRIC IIT Kharagpur

## Academic qualification

- PhD Plant Biotechnology from IIT Kharagpur (2010 - 2014)
- MSc Microbiology from Andhra University (2005 - 2007)
- BSc chemistry, Botany and zoology from Andhra University (2002 - 2005)

## Awards and Scholarship

- Qualified JRF at SRIC IIT Kharagpur, Project sponsored by NFCL Hyderabad.
- Awarded SRF sponsored by Department of Biotechnology, Ministry of Science and Technology.
- Qualified entrance examination for master's in microbiology, conducted by Andhra University with a rank of 283.
- Awarded best outgoing student in Zoology, 3rd year B.Sc.

## Experience gained

- **Assistant professor** in VIVA College, Virar from July 2017 to January 2022 (4 years 6 months teaching experience).

- **Resource person** for two-day workshop on Protein chemistry for master's and bachelor's students in VIVA College June 2020.
- **Convener** for the expert talk "Antimicrobial textiles and application of micro – organisms" conducted on 4th February 2020 organized by Dept. of Biotechnology, VIVA College.
- **Convener** for the expert talk "Immune responses of Earthworms, *Eudrilus eugeniae*" conducted on 25th of October 2021 organized by IQAC and Dept. of Biotechnology, VIVA College.
- Worked as **'Junior Research Scientist' (R&D)** in **d Technology,** one of the leading food research Institute in Mumbai from Jan 2015 to September 2015.
    - Leading novel projects on current challenging areas like removal of various contaminants e.g., Aflatoxin, Ochratoxin from food commodities.
- Third year BSc Biotechnology examiner (Theory and Practical) Mumbai University
- Paper setter MSc Biotechnology University of Mumbai
- Guided 5 undergraduate student and 2 post graduate students

**Presentations at National level**

- **Ch.Bhanupriya**, Satarupa kar, S.K.Sen, A.Basu. (2012). Down-regulation of lignin biosynthetic pathway in *Sorghum bicolor*. Current Trends in Secondary Plant Metabolite Research, pp. 38. In: UGC-SAP National seminar, New Delhi.

- **Ch.Bhanupriya**, S.K.Sen, A.Basu. (2013). RNA-interference mediated down-regulation of 4-Coumarate CoA: ligase gene in *Sorghum bicolor* in order to reduce lignin content. Plant tissue culture and Biotechnology, pp. 120. In: National symposium on plant tissue culture and biotechnology for food and nutritional security. Mysore.

- **Ch.Bhanupriya**, Asitava Basu (2018). RNA-interference mediated metabolic engineered down-regulation of 4-Coumarate CoA: ligase gene in *Sorghum bicolor* in order to reduce lignin content, National research scholars meet, ACTREC, Navi Mumbai.

Poster presentations at three consecutive research scholars meet at Indian Institute of Technology, Kharagpur.

**Publications**

- http://www.idr.iitkgp.ac.in/xmlui/handle/123456789/1/browse?type=author&value=Bhanupriya%2C+Ch.
- An optimized protocol for the development of high frequency regeneration in *Sorghum bicolor* using natural and synthetic growth regulators (**Submitted** in a journal - Springer publisher)

## Conferences/Seminars/Workshops

| Sl. No. | Name of the Event | National/ International | Date | Name of the Organizer | - |
|---|---|---|---|---|---|
| 1 | "Hands on training in MS based proteomics: Concepts, Data analysis and visualization" | National | 15th – 21st November 2020 | IIT Bombay | Workshop |
| 2 | Trends in healthcare innovations in India, | National | 29th Feb – 1st March 2020 | National academy of sciences ICMR - NIRRH | Conference |
| 3 | Hands on training on molecular and immunological diagnostic techniques, | National | 10th – 12th July 2019 | Lady TATA memorial trust - NIRRH – KC College | Workshop |

## Faculty development programme/Certification courses

| Sl. No. | Name of the course | Organizing body | Duration | Grade obtained |
|---|---|---|---|---|
| 1 | "MANAGING ONLINE CLASSES AND CO-CREATING MOOCS 3.0 | TLC, Ramanujan College University of Delhi under the aegis of MHRD and PMMMNMTT | 2 weeks | "A" |
| 2 | Induction/Orientation Programme for "Faculty in Universities/Colleges/Institutes of Higher Education" | TLC, Ramanujan College University of Delhi under the aegis of MHRD and PMMMNMTT | 4 weeks | "A+" |
| 3 | An introduction to proteomics | SWAYAM-NPTEL (IIT Bombay) | 8 weeks | Elite |
| 4 | Functional genomics | SWAYAM-NPTEL (IIT Kanpur) | 4 weeks | Silver Elite |
| 5 | Structural Biology | SWAYAM-NPTEL (IIT Kanpur) | 12 weeks | Elite |
| 6 | Introduction to Protein chemistry | SWAYAM-NPTEL (IIT Kharagpur) | 12 weeks | Elite |