

PERSONAL PROFILE

Dr. Ekta Shukla

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Contact No.: 09506106878

Date of Birth: September 15, 1979.

Category: General

Marital Status: Married

Qualification; M.Sc, Ph.D



WORK EXPERIENCE/TEACHING EXPERIENCE

- Currently, working as Assistant Professor (Dept of Botany) in Sunbeam College for Women, Bhagwanpur (since 2017)
- **Ph.D. research scholar at Banaras Hindu University, Varanasi for six years (2005- 2011).**
- **Research Topic- “Polyphasic Approach to the Phylogeny of the selected heterocystous cyanobacteria (Nostocales) and Stigonematales**
- Worked as guest student in National Chemical Laboratory Pune 2008-2009 and in IARI-PUSA New Delhi in 2010 respectively.
- Worked as a project assistant in Regional Research Laboratory Bhubaneswar for one year (2001-2002).

TECHNIQUES KNOWN

- Well acquainted in SDS-PAGE,
- Fatty acid methyl ester preparation,
- Genomic DNA and plasmid isolation,
- PCR Identification,
- Molecular cloning and transformation,
- Bioinformatics tools,
- General microbial culturing.
- Phylogenomics and evogenomics

AWARDS

- UGC-CRET fellowship 2007
- CSIR-SRF fellowship in the year 2009

- Mentor of the year award 2019 from Sunbeam college for Women BGN
- Distinguished Teacher Award 2019 from Prof. Harihar Nath Tripathi Foundation.

LIST OF RÉCENT PUBLICATIONS

1. Surbhi Kharwar, Arpan Mukherjee, Vinod Kumar, **Ekta Shukla*** (**corresponding author**) **2022 (in Revision)**. A tale of two stress (light and nutrient) in cyanobacteria, In Prof. Brett Neilon, Michel Rodrigo Zambrano Passarinit, Prashant Kumar Singh and Ajay Kumar (*Eds.*) “Cyanobacterial Biotechnology Researches: From the eyes of 21st Century” Messrs. Springer-Verlag.
2. Pratika Singh, Amrita Srivastava, **Ekta Shukla *** (**corresponding author**) **2022 (accepted)**. Response of cyanobacteria during abiotic stress with special reference to membrane biology: an overview. In Prof. Brett Neilon, Michel Rodrigo Zambrano Passarinit, Prashant Kumar Singh and Ajay Kumar (*Eds.*) “Cyanobacterial Biotechnology Researches: From the eyes of 21st Century” Messrs. Springer-Verlag.
3. **Shukla, E.**, Singh, P., Singh, V.K. *et al.* (2021) Homology modeling in combination of phylogenetic assortment, a new approach to resolve the phylogeny of selected heterocystous cyanobacteria based on phycocyanin encoding *cpcBA*-IGS locus. *Vegetos* **34**, 339–354. <https://doi.org/10.1007/s42535-021-00207-z>
4. **Shukla E**, Singh S.S and Mishra A. K. (2013) Fingerprinting and Phylogeny of some Heterocystous Cyanobacteria using Short Tandemly Repeated Repetitive and Highly Iterated Palindrome, *Microbiology* **82** (6); 801-808
5. Mishra, A. K, **Shukla E** and Singh, S. S.(2013) Phylogenetic comparison among the heterocystous cyanobacteria based on polyphasic approach, *Protoplasma* **250**; 77–94.
6. **Shukla E**, Singh S. S., Singh P. and Mishra A.K. (2012) Chemotaxonomy of heterocystous cyanobacteria using FAME profiling as species markers, *Protoplasma* **249**:651–661.
7. Singh, A, Mishra, A. K, S. S, Singh, Sarma H. K., **Shukla E** (2008) Influence of iron and chelator on siderophore production in Frankia strains nodulating Hippophae salicifolia D. Don. *Singh J Basic Microbiol* **48**: 104–111.

Paper in Proceedings (National)

8. Arun Kumar Mishra, Prashant Singh, Satya Shila Singh, **Ekta Shukla**, Amrita Srivastava, Anumeha Singh (2010) Role of Blue Green Algae in Rural Development. In: Proceedings of the National Seminar on “Transformation in Rural

Economy of North East Hills Region in India: Status , Determinant and Prospects ”
held on 7-8th May, 2010, National Institute of Rural Development, North Eastern
Regional Centre, Khanapara, Guwahati, Assam

SYMPOSIA/CONFERENCE/WORKSHOP - PARTICIPATED/ATTENDED

- **Poster presentation** in symposium entitled “**1st International Conference on Human Implications of Biotechnology**” **2016**, being organized at Central University of Patna, Bihar. Title of poster “**Computational analysis and phylogenetic assessment of selected heterocystous cyanobacteria using *cpcBA*-IGS locus**”
- **Poster presentation** in national conference entitled “**Emerging Trends in Plants Science**” in **2011**, held at Centre of Advanced Study in Botany, Banaras Hindu University. Title of poster “**Role of proline during copper toxicity in *N. muscorum*.**”
- **Poster presentation** in national seminar entitled “**Water and Soil Management for agriculture and livelihood security under climate change**” in **2017**, held at Sunbeam College for Women, Bhagwanpur, Varanasi. Title of poster “**Molecular phylogeny and homology modelling of selected heterocystous cyanobacterial based on 16S rRNA and phycocyanin coding *cpcBA*-IGS locus.**”

WORKSHOP/CONFERENCE/ON-LINE TRAINING PROGRAMES

- Completed Online Certificate Course on **BIOINFORMATICS: ITS APPLICATIONS IN LIFE SCIENCES (2nd Batch) in June-July 2022** organized by MICROBIOLOGISTS SOCIETY, INDIA
- One Week Online **International Workshop on Statistical Data Analysis using SPSS** Jointly Organised By Aryabhata Institute of Academic and Research Science Tech Institute, Lucknow on May 21-27 2022.
- Attended online training program on “**Innovation in Educational Assessment using Technology by Prof. Arthur. C. Graesser** on 30-31st October 2021.
- One Week Online **Faculty Development Program** on Advanced Research Methodology Applicable in New Education Policy Organized by Digvijay Nath Post Graduate College, Gorakhpur, UP and Science Tech Institute, Lucknow, UP on June 20-28 2021
- Attended a **National Webinar** on “Women: Indian and global Context on 20th August 2020 organized by Women Cell, Jannayak Chandrashekar University, Ballia (U.P).

- Attended **International Webinar** on Emerging trends in Biotechnology –current and future challenges in biotechnology research three days International Webinar organized by the Department of Biotechnology, Pachhunga University College (PUC), and Mizoram University (MZU) from 24th -26th June 2020.
- Participated in **Faculty Development Programme** on “Information and Communication Technology” held on 17th – 23rd December 2019 organized under the aegis of IQAC at Sunbeam College for Women, Bhagwanpur.
- Participated in Brain Storming Workshop on Star College Scheme of Department of Biotechnology, Govt. Of India, New Delhi held on 24th February 2019 at Udai Pratap Autonomous College, Varanasi.
- Participated in 49th Annual Conference entitled “All India Science Teachers’ Association” held on 27th -28th December 2018 at BHU, Varanasi.
- Participated in **Faculty Development Programme** on “Information and Communication Technology” held on 24th – 30th October 2018 at Mahatma Gandhi Kashi Vidyapith , Varanasi.
- Participated in NAAC sponsored national seminar on “Enhancing the quality of teaching, learning and evaluation in higher education” held on 23rd -24th February 2018 at Vasanta College For Women, BHU, Rajghat, Varanasi
- Participated in Knowledge sharing program August 05, 2017 entitled “ Enhancing Experimental Learning In Teaching through Innovative Methods in Management organized by IBS and ICFAI group.
- As invited judge in Sunbeam English School Bhagwanpur on the topic Genetically modified crops.