

Kamal Kant

CONTACT DETAILS

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QUALIFICATIONS

Ph.D. in Biology (2019-Current)

University of Szeged

Szeged Biological Research Centre, Szeged

Supervisor: Dr. Laura Zsigmond and Dr. László Szabados

Thesis: The Arabidopsis mitochondrial protein PPR40 modulates drought tolerance.

Master of Science in Plant Biology and Biotechnology

University of Hyderabad- May 2018

(First class)

Bachelor of Science in Biotechnology (Hons)

Amity University-May 2016

(First class with distinction)

WORK EXPERIENCE

Organization: Biological Research Centre, Szeged, Hungary

September 2018 – May 2019

Project: Toxic Industrial Chemical Monitoring via Drone Integrated Whole Cell Biosensor Arrays

Organization: University of Hyderabad, Hyderabad, India

July 2017 - April 2018

Project: Studies on Stomatal Closure in Pea (*Pisum sativum*) and the Role of Signalling Molecules in Guard Cells: Reactive Oxygen Species and Nitric Oxide (NO)

SUMMER PROJECTS

Organization: CEPLAS/IPK, Germany

May 2022

Topic: Translational Plant Biodiversity Research

Organization: International Centre for Genetic Engineering and Biotechnology, Delhi

May 2017

Topic: Molecular techniques and Tissue culture

Organization: Institute of pesticide and formulation technology, Gurgaon, India

June 2015

Topic: *Gibbago trianthema* (Bioherbicide) and Evaluation of *entomopathogenic* fungi *Verticillium* and *Metarhizium*, study their compatibility under laboratory conditions

ACCOMPLISHMENTS

- Shri Baljit Shastri Award for best in human and traditional values (Achievers Award) – 2016
- Award for university topper (2016)
- Gold medal in B.Sc. in Biotechnology (2016)

CERTIFICATES

- Basics of the R Programming (2023)
- Certificate of International Training Course at Biological Research Centre, Hungary (2018-2019)
- International Conference on Photosynthesis Research and Sustainable Energy, 2017 at the University of Hyderabad.
- Certificate for course in Language Spanish (2013-2016)
- Certificate for course in Behavioural Science (2013-2016)
- Certificate for course in English and Communication Skills (2013-2016)
- Certificate for Course in Painting Arts (2013-2016)

CONFERENCES

- **Poster presentation:** Straub Conference 2020, BRC
- **Poster presentation:** Hungarian Plant Biology Congress 2021, BRC
- **Poster presentation:** Straub conference 2022, BRC
- **Workshop:** Food Security: Thinking Outside the Box –Workshop on Food and Nutrition Security for Plant Scientists, 2022 Germany
- **Poster presentation:** Redox Biology Congress,2022, Ghent, Belgium

SKILLS

- Plant identification and their developmental patterns
- Confocal laser scanning microscopy
- Tissue culture (*Arabidopsis*, Rapeseed, Maize, *Nicotiana benthamiana*)
- Transformation: Agrobacterium-mediated, Protoplast
- DNA/RNA isolation, qPCR, Proline estimation, lipid peroxidation assay, Cloning
- Basic microbiology techniques
- MS office

LANGUAGES

- English
- Hindi

