Priyanka Pradeep Patil

Research Associate

Date of birth: 15.05.1996 | Nationality: Indian |
Place of birth: Mumbai, India
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Work Experience

- Sep 2018 - present
  Research Associate
  Biological Research Center, Institute of Plant Biology, Szeged, Hungary.
- Jan 2018 - July 2018
  Research Intern
  Reliance Industries limited, Algae to Oil Biology Department, RTG R&D Centre, Navi Mumbai, India
- Dec 2017 - Jan 2018
  Microbiologist
  Taj Lands' End, Microbiology Department, Mumbai, India

Education/Training

- Sep 2022 – present
  Masters of Biology
  University of Szeged, Szeged, Hungary
- Sep 2018 - July 2019
  International training course
  Biological Research Center, Hungarian Academy of Science, Szeged, Hungary.
- July 2013- May 2017
  Bachelor of Engineering in Biotechnology
  University of Mumbai, Mumbai, India.

Language Skills

Mother tongue(s): **Marathi**

English Listening: C2 Reading: C2 Writing: C2 Spoken Production:C2 Spoken Interaction:C2

Hindi
Listening: B2
Reading: B2
Writing: B1 Spoken Production: B1
Spoken Interaction: B1

Digital Skills

Microsoft Office
Origin
Basics of MATLAB

Publication

- **Patil PP**, Vass I, Kodru S, Szabó M (2020) A multi-parametric screening platform for photosynthetic trait characterization of microalgae and cyanobacteria under inorganic carbon limitation. PLoS ONE 15(7). https://doi.org/10.1371/journal.pone.0236188
- Kodru S, Sass L, **Patil PP**, Szabó M, Vass I. (2020) Identification of the AG afterglow thermoluminescence band in the cyanobacterium Synechocystis PCC 6803. Physiologia Plantarum. 1–10. https://doi.org/10.1111/ ppl.13317
- **Patil PP**, Mohammad Aslam S, Vass I, Szabó M. (2022) Characterization of the wave phenomenon of flash-induced chlorophyll fluorescence in *Chlamydomonas reinhardtii*. Photosynth Research. https://doi.org/10.1007/s11120-022-00900-3
- **Patil PP**, Vass I, Szabó M. (2022) Characterization of the wave phenomenon in flash-induced fluorescence relaxation and its application to study cyclic electron pathways in microalgae. International Journal of Molecular Sciences. 23(9):4927. https://doi.org/10.3390/ijms23094927
- Mohammad Aslam S, **Patil PP**, Vass I, Szabó M. (2022) Heat-Induced Photosynthetic Responses of Symbiodiniaceae Revealed by Flash-Induced Fluorescence Relaxation Kinetics. Frontiers in Marine Science. 9:932355 https://doi.org/10.3389/fmars.2022.932355

Posters

- **Patil PP**, Kodru S, Sass L, Vass I and Szabó M. Establishment of A Simple Screening System for Photosynthetic Traits of Microalgae and Cyanobacteria. Straub day conference. 30 May 2019. BRC, Szeged, Hungary.
- **Patil PP**, Szabó M, Vass I. Characterization of the wave phenomenon in flash-induced fluorescence decay in microalgae. Plant Biology meeting. 24-27 August 2021. BRC, Szeged, Hungary.
- **Patil PP**, Mohammad Aslam S, Szabó M, Vass I. Characterization of the wave phenomenon in flash-induced fluorescence relaxation and its importance in microalgae. International Congress on Photosynthesis Research. 31. Jul – 5. Aug 2022. Dunedin, New Zealand.
- **Patil PP**, Szabó M, Vass I. Photosynthetic activity of *Haematococcus pluvialis* revealed by flash-induced fluorescence relaxation and single cell chlorophyll fluorescence studies. 11th international meeting “photosynthesis and hydrogen energy research for sustainability” – 2023, July 3 – 9, 2023, Istanbul, Turkey

Oral Presentation

- **Patil PP**, Sass L, Vass I and Szabó M. Establishment of a simple screening system for photosynthetic traits of microalgae and cyanobacteria. 9th Symposium of Microalgae and Seaweed Products in Plant/Soil-Systems. 25-26 June 2019. Mosonmagyarovar, Hungary
- Famelab – Science Communication (Science talk in 3 min), Hungary 2020

Awards

❖ Research scholarship 2022 for the Research topic "Cyclic Electron transport processes in Microalgae cells" from foundation "Photosynthesis- life from light" (Szeged, Hungary)

❖ BCIL- BITP Scholarship winner for 2017- 18 (Department of Biotechnology, Government of India)