



Vaishali Rani

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🔍 MTMT: <https://m2.mtmt.hu/gui2/?type=authors&mode=browse&sel=authors10084705>

WORK EXPERIENCE

Researcher

University of Public Service [2023 – Current]

City: Baja

Country: Hungary

Researcher

Biological Research Centre [2019 – Current]

City: Szeged

Country: Hungary

Studying the effect of nitrate (a pollutant) on microalgae and how microalgae can be used to treat wastewater.

Junior Research Fellow

University of Delhi [2016 – 2018]

City: Delhi

Country: India

Cloned, expressed, and purified two non-structural proteins (NSs and NSm) and one structural protein (N) of *Groundnut bud necrosis virus* followed by the generation of polyclonal antibodies against each purified protein.

EDUCATION AND TRAINING

PhD Biology

University of Szeged [2018 – Current]

City: Szeged

Country: Hungary

Thesis: Understanding nitrate assimilation by eukaryotic green microalgae

M.Sc. Zoology

University of Delhi [2014 – 2016]

City: Delhi

Country: India

Thesis: Resistance against Bt cotton in pink bollworm

B.Sc. (Hons.) Zoology

University of Delhi [2011 – 2014]

City: Delhi

Country: India

LANGUAGE SKILLS

Mother tongue(s): **Hindi**

Other language(s):

English

LISTENING C1 READING C1 WRITING C1

SPOKEN PRODUCTION C1 SPOKEN INTERACTION C1

Hungarian

LISTENING A2 READING A2 WRITING A2

SPOKEN PRODUCTION A1 SPOKEN INTERACTION A1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

CONFERENCES AND SEMINARS

TULIP Summer School 2023

[Pyrenees, France, 01/07/2023 – 07/07/2023]

Got accepted to participate in TULIP Summer School 2023 "Biological interactions from genes to ecosystems" organized by the LabEx TULIP.

Group task: Oral presentation on "Does the root microbiome play a role in the drought tolerance of quinoa?"

Young Algaeneers Symposium 2023

[Faro, Portugal, 09/05/2023 – 11/05/2023]

Poster presentation on "Light quality and quantity affect nitrate removal by *Chlamydomonas*"

AlgaEurope 2022

[Rome, Italy, 13/12/2022 – 15/12/2022]

Poster presentation on "Microalgae and their potential use in nitrate removal"

75th Annual Meeting of the Phycological Society of America

[Online, 13/07/2021 – 22/07/2021]

Poster presentation on "Growth of *Chlorella kessleri* under high nitrate conditions"

SymBioSE 2020

[Online, 28/07/2020 – 31/07/2020]

Oral presentation on "The amazing algae: A boon to the future"

3rd Plant Proteomics Workshop

[Department of Botany, University of Delhi, Delhi, India, 19/12/2017 – 23/12/2017]

Participation in the workshop entitled "Mining proteome & deep proteome (by sub-cellular proteome analysis, depletion, affinity enrichment) and beyond"

National Conference on Biotechnology and Environment

[Delhi, India, 10/04/2017 – 11/04/2017]

Poster presentation on "Cloning, Expression and purification of non-structural protein NSm encoding by M segment of *Groundnut bud necrosis virus*"

HONOURS AND AWARDS

Stipendium Hungaricum Scholarship 2017/2018

Ministry of Foreign Affairs and Trade, Hungary and Tempus Public Foundation, Hungary [2018]

Scholarship for PhD education

Poster Competition

Department of Zoology, University of Delhi, Delhi, India [2018]

First prize

Quiz Competition

Department of Zoology, University of Delhi, Delhi, India [2016]

Second prize

Painting and Collage making

Department of Zoology, University of Delhi, Delhi, India [2016]

First prize

Junior Research Fellowship-National Eligibility Test

University Grants Commission, India [2015]

Fellowship for research

Photography Competition (International Symposium on Green Chemistry and Sustainable Development)

Miranda House, University of Delhi, Delhi, India [2012]

First prize

Power Point Presentation

Daulat Ram College, University of Delhi, Delhi, India [2012]

Second prize

MEMBERSHIP

Member of Hungarian Society of Microbiology

[2023 – Current]

PUBLICATIONS

Assessment of Nitrate Removal Capacity of Two Selected Eukaryotic Green Microalgae

[2021]

Authors: Rani, V., Maróti, G.

Journal: Cells

Light-Dependent Nitrate Removal Capacity of Green Microalgae

[2023]

Authors: Rani, V., Maróti, G.

Journal: International Journal of Molecular Sciences