

Sayed Huzaifa Mumit

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Education

University of Science and Technology Chittagong (Ongoing) **July, 2024- Present**
B. S. (Hons.) in Biochemistry and Biotechnology

Research Experiences

Bangladesh Bioscience Research Group -(BBRG) **October, 2024 - Present**
Undergraduate Research & Primary Affiliation
Fields

RNA Biology, Genomics & CRISPR
Immunology
Phytochemistry

Independent High School Researcher **2019-2023**
Fields:

Theoretical Astrophysics (Quantum Gravity)
Renewable Energy
Environmental Science

Scholarly Involvement

- Selected Panelist, **Cambridge Academic Panel**, Cambridge University Press (2025–Present)
— Participating in shaping academic publishing practices through feedback on research and author experience.

Professional Profiles

ResearchGate: [Sayed Huzaifa Mumit](https://www.researchgate.net/profile/Sayed-Huzaifa-Mumit)
Google Scholar: [Sayed Huzaifa Mumit](https://scholar.google.com/citations?user=0000-0003-1048-4072&hl=en&oi=ao)
ORCID: 0000-0003-1048-4072
LinkedIn: [Sayed Huzaifa Mumit](https://www.linkedin.com/in/sayedhmumit/)
GitHub: [sayedhmumit](https://github.com/sayedhmumit)
Academia.edu: [Sayed Huzaifa Mumit](https://www.academia.edu/10484072/Sayed_Huzaifa_Mumit)
Web of Science: [Sayed Huzaifa Mumit](https://scholar.google.com/citations?user=0000-0003-1048-4072&hl=en&oi=ao)

Publications & Research

1. Methane Production via Sabatier Reaction Using Hydrogen from Rainwater Electrolysis and Captured Carbon Dioxide v1:(2023)|v2:(2025)
DOI: <https://doi.org/10.33774/coe-2025-lk4r7-v2>
2. Eco-Friendly Water Purification Using Solar-Powered Distillation and Activated Carbon (2024)
DOI: [10.33774/coe-2024-ztkpb](https://doi.org/10.33774/coe-2024-ztkpb)
3. Reduction of Irrigation Water in Agriculture Using Eco-Friendly Biological Sponge from Luffa

(2024)

DOI: [10.13140/RG.2.2.17062.13123](https://doi.org/10.13140/RG.2.2.17062.13123)

4.Sustainable Diapers and Pads from Water Hyacinth and Coconut Coir v1:(2024) | v2:(2025)

DOI: [10.21203/rs.3.rs-5453339/v2](https://doi.org/10.21203/rs.3.rs-5453339/v2)

5.Investigation of the Effectiveness of Using Luffa Cylindrica to Reduce Water Consumption in Agriculture (2024)

DOI: [10.62622/TEIEE.024.2.4.18-27](https://doi.org/10.62622/TEIEE.024.2.4.18-27)

Conference Papers

Presenting Author[1st]

- 1 **6th International Conference on Biotechnology in Health and Agriculture** by Global Network of Bangladeshi Biotechnologist- Prevalence of Iron Deficiency Anemia and Evaluation of Corrected Calcium as a Biochemical Parameter Among Young Adults in Chattogram, Bangladesh.
- 2 **RURS 1st International Students Conference 2024** - Trends in Microbial Culture and Antibiotic Sensitivity in Pediatrics
- 3 **XYLEM GLOBAL WATER CHALLENGE 2024, Stockholm, Sweden** - Using Sponge Gourd for Purifying Microplastics
- 4 **Stockholm Junior Water Prize 2023** - Methane Gas Production from Rainwater and CO₂
- 5 **American Physical Society Physics Summit 2025, Anaheim, California, USA** - Graviton and Anti-Graviton Charges on Space-Time Curvature and Gravitational Dynamics [Acceptance only not attended]

Peer Reviewer

- 1 International Peer-Reviewer of Manuscript for the International Journal 2025
<https://www.webofscience.com/wos/author/record/MCJ-3786-2025> International Journal of Plant and Soil Science

Books

- 1 From Concept to Publication: A Comprehensive Guide to Preparing a High-Quality Research Manuscript for International Journals
[VISIT](#)
- 2 Meta Analysis of Skills An All Inclusive Manual: Sayed Huzaifa Mumit
[VISIT](#)

Technical & Soft Skills

Soft Skills

- Leadership & Management
- Public Speaking & Science Communication

- Team Collaboration & Conflict Resolution
- Adaptability & Lifelong Learning

Hard Skills

Research & Scientific Analysis

- Phytochemistry Analysis
- Molecular Docking & Virtual Screening
- Network Pharmacology
- In Silico ADMET & Toxicity Prediction

Programming & Computational Tools

- R Programming (esp. for Bio informatics & Bio statistics)
- Linux/UNIX Shell (e.g., terminal commands, system cleanup)
- LaTeX (scientific documentation)
- Cytoscape / AutoDock / SwissADME (domain-specific tools)

Languages

- **English:** Intermediate Proficiency
- **Bengali & Chittagonian:** Native Fluency
- **Arabic:** Reading Proficiency

Entrepreneurial & Leadership Experience

- Co-Founder, A TimesM Global - A Multiple Sector Based Startup.
- Co-Founder, Manoshota (2021-2022) - Contributed to global mental health consulting, assisting 5,700 individuals in 13 hours.

Scholarships & Fellowships /Grant

- APS Diversity Forum Scholarship | American Physical Society (2024)
- Wiki Scientist Summer Program Scholarship | Wikipedia (2024)
- Oxbridge Scholarships | University of Oxford & Cambridge (2022 & 2023)
- Academia Engineering Publication Grant (2024)
- Trends in Ecological & Environmental Engineering Journal (2024)
- AB Memorial Fellowships (2022)

Awards & Recognitions (Selective only)

- Medalist, 16th National Bangladesh Astro-Olympiad (2022)
- Finalist, Stockholm Junior Water Prize (2023)
- Top-Ranked, People's Choice - Xylem Global Innovation Challenges (2024)
- Jamboree Award, 10th Bangladesh & 3rd South Asian Association of National Scouts Jamboree.

Professional Memberships

National Organizations:

- Graduate Member, BYLC Graduate Network (2021-Present)
- Alumni Member, House of Volunteer Bangladesh (2023- Present)

International Organizations

- Member, Astrophysics, American Physical Society (2024-Present)
- Member, Biophysics, American Physical Society (2025- Present)
- Member, American Mathematical Society (2025-Present)
- Wiki Scientist, Wikipedia (2024-Present)

Special Academic Acceptances

- Aspire Leaders Program, Harvard University (2024)
- Wiki Scientist Summer Program, APS (2024)
- Oxbridge Scholars Program, University of Oxford & Cambridge (2022 & 2023)

Teaching & Leadership Roles

- APS Wiki Scientist, Wikipedia (2024-Present)
- IAU OAO Venture Translator, International Astronomical Union (2024)
- Academic Olympiad Trainer, Deviation Scientific Society (2023-Present)
- Senior Patrol Leader, Chattogram Metropolitan Scouts (2018-2021)

Competitions & Research Challenges

- Contestant at MIT SOLVE 2024
- Contestant at CERN Beamline for Schools (BL4S) 2024
- Contestant at 3rd SAANSO & 10th Bangladesh Scouts Jamboree (2019)

References

Dr. Md Monirul Islam

Faculty Member, BMB
NSTU, Bangladesh.
Postdoc Fellow, Aichi Medical University,
Japan.
Tutor and Supervisor in College & Re-
search.
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Dr. Jeffrey M. Keefer

Adjunct Assistant Professor,
Project Management &
Information Technology Education,
New York University, USA.
Advisor at Wikipedia | Mentored during
APS Wiki Scientist Course.
jk904@nyu.edu

Md. Monsurul Islam

Assistant Professor, Department of Physics,
Satkania Govt. College, Chittagong, Bangladesh.
PhD Candidate, University of Nottingham.
Taught Physics in 12th grade.
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