

Curriculum Vitae

PERSONAL INFORMATION **Md. Nasir Hossain Sani**



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 Sex: Male Date of birth: 01/01/1993 Nationality: Bangladeshi
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PROFILE STATEMENT

- ❖ A confident, proactive young researcher believes in teamwork with a strong interest and commitment to research in plant nutrition, organic farming, circular bioeconomy, agroforestry, and climate change
- ❖ Have skills and expertise in agriculture, horticulture, agroforestry with particular regard to the biostimulants, beneficial microbes, biological amendments, as well as excellent communication skills, professional experience, publications in prestigious international journals, and online specialty courses
- ❖ Currently, looking forward to engaging in advanced research and develop a career in the relevant field by acquiring additional skills, expertise, and innovation with hard work, dedication, and integrity

ACADEMIC BACKGROUND

April 2023-present	Doctoral student, Department of Biosystems and Technology, Swedish University of Agricultural Sciences (SLU), Sweden
2019- 2021	Erasmus Mundus Joint Master's Degree (EMJMD) in Sustainable Tropical Forestry (SUTROFOR) (Copenhagen University-Bangor University)
Sep 2020- Aug 2021	Bangor University , School of Natural Sciences, Bangor, Wales, UK Program: Agroforestry Systems (60 ECTS): successfully completed with distinction Master's Thesis: Determinants of on-farm tree seedling survival and growth for ecosystem restoration across various farmed landscapes in Uganda
Sep 2019- Aug 2020	University of Copenhagen , Faculty of Science, Copenhagen, Denmark Program: Forest and Livelihoods (60 ECTS): successfully completed
Jan 2016- Dec 2017	Master of Science in Horticulture , Sher-e-Bangla Agricultural University (SAU) Master's Thesis: Synergistic Effect of Microbial and Non-microbial Biostimulants on Growth, Yield and Nutritional Quality of Organic Tomato
Jan 2012- Dec 2015	Bachelor of Science in Agriculture (Hons.) , Sher-e-Bangla Agricultural University

PROFESSIONAL/RESEARCH EXPERIENCE

June 2021-Oct, 2021	Graduate Research Fellow World Agroforestry Centre (ICRAF) (https://www.worldagroforestry.org/) Responsibility: Development of research protocol, data collection, compilation and statistical analysis, literature review, report writing and publication
July 2017-June 2018	Research Assistant Department of Agroforestry and Environmental Science, Sher-e-Bangla Agricultural University (SAU) (http://www.sau.edu.bd/) Project: Investigation of tolerance level of different <i>Brassica species</i> under Lead (Pb) stress and identification of most effective phytoremediator of Pb from contaminated soil Skills: Preparation of heavy metal stock solution, soil chemical analysis, pot experiment, plant harvest, preparation, and analyses (atomic adsorption spectroscopy (AAS))
Sept 2016- May 2017	Research Fellow Ministry of Science and Technology, Bangladesh (https://most.gov.bd/) Skills: Research design, pot experiment, microbiology techniques (medium preparation, fungal and bacterial cultivations), Spectrophotometry (soil and plant nutrient analysis), soil fertility parameters, data collection and analysis, thesis writing, publications
March 8- 22, 2020	Erasmus Mundus Joint Summer Module (JSM) , Uganda, 2020 Project: Gender and Agroforestry: practices, decision making and sustainability Skills: Field data collection, farm visits, key informant interviews, focused group discussion, data analysis, preparation of report

TRAINING AND WORKSHOPS

2020	Erasmus Mundus Joint Summer Module (JSM), Makerere University (March7-March22)
2020	The Sustainable Development Goals–A global, transdisciplinary vision for the future - University of Copenhagen
2018	Experimental Data Organization, Statistical Analysis and Handling SPSS Software Program organized by UGC and World Bank
2018	SAARC Agricultural field trip India, 25 February-14 March, 2018

OTHER SKILLS

Language proficiency	Bangla (Native), English: Proficient user (Level C1) [previous IELTS (Academic)]: Band 7.0 (Listening 7.0 , Reading 7.0 , Writing 7.0 , Speaking 7.0), Hindi (elementary)
Organizational skills	Class representative, Department of Horticulture, Sher-e-Bangla Agricultural University Vice president, Agriculture Club, Sher-e-Bangla Agricultural University (SAU)
Computer skills	Office Package (MS word, MS Excel, Power Point, outlook), Mendeley
Statistical skills	Data analysis: SPSS v20, R-Studio, MS Excel

PUBLICATIONS (in Web of Science)

- Research articles**
- Sani, M. N. H.**, Islam, M.N., Uddain, J., Chowdhury, M.S.N., Subramaniam, S. (2020). Synergistic effect of microbial and nonmicrobial biostimulants on growth, yield, and nutritional quality of organic tomato. *Crop Science*, 60 (4), 2102–2114. <https://doi.org/10.1002/csc2.20176>
 - Sani, M. N. H.**, Hasan, M., Uddain, J., Subramaniam, S. (2020). Impact of application of *Trichoderma* and biochar on growth, productivity and nutritional quality of tomato under reduced N-P-K fertilization. *Annals of Agricultural Sciences*, 65 (1), 107-115. <https://doi.org/10.1016/j.aosas.2020.06.003>
 - Karim, M.N., **Sani, M. N. H.**, Uddain, J., Azad, M.O.K., Kabir, M.S., Rahman, M.S., Choi, K.Y & Naznin, M.T. (2020). Stimulatory Effect of Seed Priming as Pretreatment Factors on Germination and Yield Performance of Yard Long Bean (*Vigna unguiculata*). *Horticulturae*, 6, 104. <https://doi.org/10.3390/horticulturae6040104>
 - Ahmed, S., Sarker, S.K., Friess, D.A., Jacobs, M., Islam, A., Alam, A., Suvo, M.J., **Sani, M. N. H.**, Dey, T., Naabeh, C.S.S. and Pretzsch, H. (2022). Salinity reduces site quality and mangrove forest functions. From monitoring to understanding. *Science of the Total Environment*, p.158662. <https://doi.org/10.1016/j.scitotenv.2022.158662>
 - Roni, R. A., **Sani, M. N. H.**, Munira, S., Wazed, M. A., & Siddiquee, S. (2021). Nutritional Composition and Sensory Evaluation of Cake Fortified with *Moringa oleifera* Leaf Powder and Ripe Banana Flour. *Applied Sciences*, 11(18), 8474. <https://doi.org/10.3390/app11188474>
- Review article**
- Sani, M. N. H.**, Yong, J. W. H. (2022). Harnessing Synergistic Biostimulatory Processes: A Plausible Approach for Enhanced Crop Growth and Resilience in Organic Farming. *Biology*, 11, 41. <https://doi.org/10.3390/biology11010041>

HONORS AND AWARDS

2019-2021	Erasmus Mundus Scholarship, 2019-2021 awarded by the European Commission for Erasmus Mundus Joint Master's Degree (EMJMD) in Sustainable Tropical Forestry
2019	Deans Award , Sher-e-Bangla Agricultural University for outstanding result in L-2, 3 & 4
2017	National Science & Technology (NST) Fellowship 2017 awarded by the Ministry of Science and Technology, Bangladesh