
Name: **Dr. Shelly Sinha**
Official Address: Assistant Professor
Department of Botany,
Rabindra Mahavidyalaya,
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Email id: **ssbot.rmv@gmail.com, shellysoham@gmail.com**
Educational Qualification: M. Phil, Ph.D
Teaching experience: 10+ years, including 1+1+1 U.G. Course and CBCS system.
Courses taught: Botany (Honours) and (General)
Archegoniate, Plant anatomy, Plant Systematics, Cell Biology,
Molecular Biology, Bioinformatics, Genetics and Plant
Breeding, Plant Biotechnology, Industrial and Environmental
Microbiology etc.
Specialization area of research: Bacterial comparative genomics
Other area of interest: Medical microbiology, Bryology, Plant tissue culture,
Cytology, Phytochemistry, Medicinal Botany
Seminars / Workshop / Symposium attended in last 10 years: 11
Publications:
➤ **S. Sinha, S. K. Sen and B. Dam, 2019.** Comparative sequence analysis identified multiple replication systems and virulence determinants to be frequently encoded on large plasmids of *Escherichia coli*. *Ecological Genetics and Genomics*. 12. 100039.
➤ **S. Sinha, S. K. Sen and B. Dam, 2017.** Genome analysis to identify virulence-related features present in an emerging enteric pathogen *Escherichia albertii* KF1 as compared to that of the prototypical *Escherichia coli* O127:H6 E2348/69. *Journal of Advanced Microbiology*. 3(3): 110-119.
➤ **S. Sinha, 2016.** Exploring diverse conducting elements with habit preference in some acrocarpous and pleurocarpous mosses: a comparative analysis. *International Journal of Research on Social and Natural Sciences*. 1(1): 79-86.
➤ **S. Sinha, P. Chattopadhyay and S. K. Sen, 2012.** Chapter- 15, Microbial degradation of recalcitrant PAHs-microbial diversity involving remediation process in *Singh S.N. (Eds.) Microbial Degradation of Xenobiotics, Environmental Science and Engineering, Springer-Verlag, Berlin Heidelberg, Germany, ISBN: 978-3-642-23788-1: 395-410.*
➤ **S. Sinha, 2012.** Developmental plasticity of conducting elements within three species of *Bryum*: a comparative look, ISBN: 978-93-80663-61-6: 136-142.
➤ **S. Sinha, 2012.** Article-9, Bryophytes as potential environmental pollution monitoring bio-agents, ISBN: 978-93-80663-60-9: 63-73.
➤ **S. Sinha, H. Govindaparyari, S. Suman and P. L. Uniyal, 2009.** Taxonomic implication of conducting elements in the acrocarpous mosses. *Nelumbo (Bulletin of Botanical Survey of India)*, 51:183-190.
➤ **S. Sinha, P. Chattopadhyay, I. Pan, S. Chatterjee, P. Chanda, D. Bandyopadhyay, K. Das and S. K. Sen, 2009.** Microbial transformation of xenobiotics for environmental bioremediation. *African Journal of Biotechnology*, 8 (22): 6016-6027.
➤ **S. Sinha, I. Pan, P. Chanda and S. K. Sen, 2009.** Nanoparticles fabrication using ambient biological resources. *Journal of Applied Biosciences*, 19: 1115-1132.
