

BRIEF PROFILE

NAME: DR. SUDIP KUMAR SINHA

DESIGNATION: ASSISTANT PROFESSOR

DEPARTMENT: BOTANY

EMAIL: sudipsinha24@gmail.com

HIGHEST QUALIFICATION: Ph.D. year: 2009 from University of Calcutta.

TEACHING EXPERIENCE: 16 YEARS

SUBJECTS TAUGHT: BOTANY

VIDWAN ID: 493198

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RESEARCH EXPERIENCE: 9 YEARS

RESEARCH INTEREST: PLANT MOLECULAR BIOLOGY, RECOMBINANT DNA TECHNOLOGY, BIOINFORMATICS

INDUSTRY EXPERIENCE: NIL

AWARDS OR RECOGNITIONS RECEIVED (ACHIEVEMENTS):

- 1) Get NATIONAL SCHOLARSHIP in B.Sc. (Hons.) Examination from National Scholarship Scheme of Govt. of India, 1998-99.
- 2) Qualified in CSIR-UGC NET (JRF), held on December 31, 2000 in Life Sciences and has secured place among the top 20% awardees and eligible to take the first SPM fellowship test at Pune.
- 3) Qualified in CSIR-UGC NET (JRF), held on July 1, 2001 in Life Sciences.
- 4) Received BEST POSTER award at the scientific sessions of 10th FAOBMB Congress, Bangalore held on December 7-11, 2003.
- 5) Received BEST POSTER award at the scientific sessions of National Seminar on Plant Physiology, Pune held on December 27-29, 2004.

MEMBER OF BOS, GB OF OTHER COLLEGE:

- 1) Member of Governing Body of Barasat College from 2012 to 2014.
- 2) Member of Governing Body of Chittaranjan College from 2013 to 2015.

- 3) Member of Undergraduate Board of Study of Botany of West Bengal State university from 2012 to 2014.
- 4) Member of Governing Body of Victoria Institution (College) from 2013 to 2017.
- 5) Working as Bursar in Victoria Institution (College) from 2015 to 2022 and January, 2024 to till date.

MEMBER OF PROFESSIONAL BODIES:

- 1) Member of The Institutional Ethics Committee of The Antioxidant Society of India.
- 2) Member of The Indian Science Congress Association.

LIST OF SELECTED PUBLICATIONS:

Articles

1. Sengupta M, Sinha SK, Mukherjee K, Ghosh B and Sengupta, DN. (2005) Regulation of gene expression during fruit ripening in tomato and role of ethylene: knowledge from the mutants and transgenics. *Proceedings of the International Seminar on Frontiers of Basic & Applied Molecular Biology* p 9-25.
2. Chatterjee A, Sinha SK, Roy A, Sengupta DN and Ghosh SK. 2007. Development of diagnostics for DNA A and DNA β of a *Begomovirus* associated with mesta yellow vein mosaic disease and detection of geminiviruses in mesta (*Hibiscus cannabinus* L. and *H. sabdariffa* L.) and some other plants. *Journal of Phytopathology – Phytopathologische Zeitschrift (Germany)*. 155: 683–689.
3. Chatterjee A, Sinha SK and Ghosh SK. 2008. Development and utilization of diagnostics for detection of geminiviral diseases in Eastern India. *Journal of the Botanical Society of Bengal*. 62 (1): 4-7.
4. Sinha SK. 2012. Transcriptional control of ethylene responsive genes in ripening of climacteric fruits: an overview. *Cibtech Journal of Biotechnology*. Vol. 1 (2-3). 42-45.
5. Chatterjee A. and Sinha SK. 2012. Standardization of polymerase chain reaction for amplification of gemini viral DNA. *Cibtech Journal of Bio-Protocols*. 1(2-3): 28-31.
6. Sinha SK and Sengupta, DN. 2013. Homology Modeling of a Fruit Ripening Specific Plant MADS-box Factor. *American Journal of Biochemistry and Molecular Biology*. Vol. 3 (2): 188-201.

7. Chatterjee A., Sinha SK and Mukherjee G. 2014. A Comprehensive Review on HLA and its Detections by Polymerase Chain Reaction Technique. *International Journal for Pharmaceutical Research Scholars (IJPRS)*. 3(1-2): 340-346.
8. Chatterjee A., Sinha SK and Mukherjee G. 2016. Study on the Levels of CRP Among the Cancer Patients Before and After Chemotherapy Treatment. *Paripex - Indian Journal of Research (PIJR)*. 5(8): 88-89.
- 9 Chatterjee A., Sinha SK and Mukherjee G. 2018. Study on sialic acid as biomarker of Cancer. *Internatiomnal Journal of Latest Trends in Engineering and Technology (IJLTET)*. 10(1): 63-68.

Book publications

Chatterjee A, Sinha SK and Mukherjee G. 2015. *Application of PCR Techniques in Health Science*. The Print-O-Books. [ISBN – 978-81-922619-5-9].

Book chapter publications

Sinha SK. 2021. *A comprehensive review on bryophyte as biomonitor and bioindicator*. In Environmental Paradigm (Ed.). Unique Publication [ISBN – 978-93-91615-02-4].

Patent

Chatterjee A, Mukherjee G, Sinha SK, Ghosh S, Dey A, Rai V and Gantait K. 23/03/2022. *A simple, rapid and low-cost biochemical method for thalassemia carrier detection*. IP Australia, Patent number: 2021104630.

Genbank submission

1. Accession No. DQ157796. *Lycopersicon esculentum* cultivar Punjab Kesari MADS-box transcription factor. Sinha, S.K., Saha, P. and Sengupta, D. N. (2005).
2. Accession No. DQ157795. *Lycopersicon esculentum* cultivar Pusa Ruby MADS-box transcription factor. Sinha, S.K. and Sengupta, D.N. (2005).
3. Accession No. DQ267532. *Lycopersicon esculentum* cultivar Roma MADS-box transcription factor. Sinha, S.K., Saha, P. and Sengupta, D.N. (2005).
4. Accession No. DQ366708. *Mangifera indica* beta-1,3-g1ucanase. Sanyal, S., Sinha, S.K. and Sengupta, D.N. (2006).