



Dr. SANJOY SADHUKHAN
Assistant Professor of Botany

Academic Qualifications: M.Sc., Ph.D.

Ph.D. - Indian Institute of Technology, Kharagpur, India.
Master of Science (M.Sc.) - Visva Bharati, Santiniketan, India
Bachelor of Science (B.Sc.) - University of Calcutta, India

Contact Address:

Department of Botany, Raiganj University, Raiganj -733134, Uttar Dinajpur, West Bengal.

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Research Interest: Plant Molecular Biology

Specialization: Plant Physiology, Biochemistry & Molecular Biology.

Conference/Seminar/Organisation:

CTIPMR 2016, Organized by Department of Botany, Raiganj University, Raiganj – 733134, Uttar Dinajpur

CTIPMR 2017, Organized by Department of Botany, Raiganj University, Raiganj – 733134, Uttar Dinajpur

Teaching Experience: 2^{1/2} Years

Research Experience: Obtained PhD from IIT Kharagpur.

Postdoctoral Research Fellow at Thomas Jefferson University, Philadelphia, USA (September 2007 – March 2008)

Postdoctoral Research Associate at Children’s Hospital of Pittsburgh, University of Pittsburgh, Pittsburgh, USA (April 2008 – June 2013)

Research Guiding Experience:

Ph.D. Scholars: 02 (Two) pursuing

Post-Doctoral – Research Associate: Nil

Completed Research Projects: Nil

Ongoing Project : Nil

Previous & Present Employment:

Postdoctoral Research Fellow at Thomas Jefferson University, Philadelphia, USA (September 2007 – March 2008).

Postdoctoral Research Associate at Children’s Hospital of Pittsburgh, University of Pittsburgh, Pittsburgh, USA (April 2008 – June 2013).

Assistant Professor, Department of Botany, Raiganj University College, Raiganj – 733134, Uttar Dinajpur (November 2014 – December 2015).

Assistant Professor, Department of Botany, Raiganj University, Raiganj – 733134, Uttar Dinajpur (January 2015 – Till date).

Administrative Experience:

Convener, AASM Medicinal Garden, Raiganj University

Publications:

Books: Nil

Research Papers: (Cumulative Impact Factor of Publications: 53.233)

- ✓ Sarkar, K., **Sadhukhan, S.**, Han, S. S., Vyas, Y. M. (2015) “SUMOylation-disrupting WAS mutation converts WASp from a transcriptional activator to a repressor of NF-κB response genes in T cells”. **Blood**. 126(14):1670-82. [Citation index: 0] {Impact factor: 10.452}.
- ✓ Samanta, P., **Sadhukhan, S.**, Basu, A. (2015) "Identification of differentially expressed transcripts associated with bast fibre development in *Corchorus capsularis* by suppression subtractive hybridization". **Planta**. 241(2):371-85. [Citation index: 1] {Impact factor: 3.376}.
- ✓ Sarkar, K., **Sadhukhan, S.**, Han, S. S., Vyas, Y. M. (2014) “Disruption of hSWI/SNF-Complexes in T cells by WAS Mutations Distinguishes X-linkedThrombocytopenia from Wiskott - Aldrich syndrome”. **Blood**. 124(23):3409-19. [Citation index: 4] {Impact factor: 10.452}.
- ✓ **Sadhukhan, S.**,* Sarkar, K., Taylor, M., Candotti, F., Vyas, Y. M. (2014) “Nuclear Role of WASp in Gene Transcription Is Uncoupled from Its ARP2/3-Dependent Cytoplasmic Role in Actin Polymerization”. **The Journal of Immunology** 193(1):150-60. [Citation index: 9] {Impact factor: 5.520}.

*S. S. and K. S. contributed equally to this work.

- ✓ Samanta, P., **Sadhukhan, S.**,* Das, S., Joshi, A., Sen S. K., Basu, A., (2011) “Isolation of RNA from Field-Grown Jute (*Corchorus capsularis*) Plant in Different Developmental Stages for Effective Downstream Molecular Analysis.” **Molecular Biotechnology** 49(2): 109-115. [Citation index: 7] {Impact factor: 2.171}.

*P. S. and S. S. contributed equally to this work.

- ✓ Taylor, M. D., **Sadhukhan, S.**,* Kottangada, P., Ramgopal, A., Sarkar, K., D’Silva, S., Selvakumar, A., Candotti, F., and. Vyas, Y. M. (2010) “Nuclear Role of WASp in the Pathogenesis of Dysregulated T_H1 Immunity in Human Wiskott-Aldrich Syndrome” **Science Translational Medicine** 2, 37ra44 [**Cover image**] [Citation index: 61] {Impact factor: 10.76}.

*M. D. T. and S. S. contributed equally to this work.

- ✓ Das Sarma J., Ciric, B., Marek, R., **Sadhukhan, S.**, Safagh, J., Fitzgerald D., Shindler, K. S., Rostami, A. M. (2009) “Functional Interleukin-17 Receptor A is Expressed in the Central Nervous System Glia and Upregulated in Experimental Autoimmune Encephalomyelitis.” **Journal of Neuroinflammation** 6(1):14. [Citation index: 74] {Impact factor: 4.35}.
- ✓ EST SEQUENCES SUBMITTED IN NCBI DATABASE: NCBI GenBank accession numbers are [EE332505](#) to [EE332682](#) and [EL595867](#) (179 Sequences).
Sadhukhan, S., Basu, A., Maity, M.K., Sen, S.K. EE332505. (2007) Jute Plasmid library *Corchorus capsularis* cDNA similar to Ribulose biphosphate carboxylase small chain, chloroplast precursor (RuBisCO small subunit), mRNA sequence gi|112136034|gb|EE332505| [40956596]
- ✓ Sarkar, S., Chorasias, A., Maji, S., **Sadhukhan, S.**, Kumar, S., Adhikari, B. (2006) “Synthesis and Characterization of Gelatin based Polyester Urethane Scaffold”, **Bulletin of Materials Science**. 29 (5): 475-484. [Citation index: 15] {Impact factor: 0.88}.

Country Visited: United States of America (USA) 2007-2013.

LIST OF PUBLICATIONS:

RESEARCH PAPERS :

National: Nil

International: 08 (Eight)