



UNIVERSITY OF CALCUTTA

FACULTY ACADEMIC PROFILE/ CV

Full name of the faculty member: SAGARMOY GHOSH
Designation: ASSOCIATE PROFESSOR
Specialisation : RNA Biology



Contact information :

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Academic qualifications:

College/ university from which the degree was obtained	Abbreviation of the degree
St. Xavier's College, University of Calcutta	B.Sc. (Hons. in Chemistry)
University of Calcutta	M.Sc. (Biochemistry)
Ph.D.	Jadavpur University

Positions held/ holding:

Associate Professor (August 2013-)
Assistant Professor (July 2003- August 2013)
CSIR Senior Research Associate (January 2002- July 2003)
Research Associate (September 1998-November 2001)

Research interests:

- RNA maturation pathways of Hepatitis B virus
- Small RNA (sRNA) mediated gene regulation in bacteria

Research guidance:

Number of researchers awarded M.Phil/ Ph.D degrees : 5 (five)

Number of researchers pursuing M.Phil/ Ph.D : 2 (two)

Projects :***Completed projects :***

Sl. No.	Title	Agency	Period	Grant/Amount Mobilized
1.	Transcription and polyadenylation control during HBV life cycle	DST, Govt. of India	01/07/2005-30/06/2008, 3 years	8,00,000
2.	Attenuated splicing of nascent Hepatitis B RNA and their nuclear export: implications for the pathophysiology of disease progression	CSIR, Govt. of India	01/03/2005-28/02/2009, 4 years	18,52,000
3.	<i>Studies on microbial biodiversity of soil affected by natural and anthropogenic stress</i> (in collaboration with Dr. Kalyan Chakrabarti, Dept. of Agricultural Chemistry and Soil Sc., University of Calcutta)	UGC, Govt. of India	18/04/2007-31/03/2012, 5 years	14,00,000
4.	<i>Regulation of genes involved in iron metabolism by small RNA (sRNA) in Burkholderia cepacia complex</i> (in collaboration with Dr. Saumya Raychaudhuri, IMTECH, Chandigarh)	DBT, Govt. of India	01/12/2010-30/11/2013, 3 years	49,55,000

Select list of publications:

a) Journals:

S. No	Author(s)	Title	Name of Journal	Volume	Page	Year
1.	Roy, D., Bhanja Chowdhury, J., and Ghosh, S.	Polypyrimidine Tract Binding protein (PTB) associates with intronic and exonic domains to squelch nuclear export of unspliced RNA.	<i>FEBS Lett.</i> [IF=3.582]	587(23)	3802-3807	2013
2.	Majumder, A., Bhattacharyya, K., Kole, SC., and Ghosh, S.	Efficacy of indigenous soil microbes in arsenic mitigation from contaminated alluvial soil of India.	<i>Environ. Sc. Pollut. Res.</i> [IF=2.651]	20(8)	5645-5653	2013
3.	Das, B., Chakrabarti, K., Ghosh, S. , Majumdar, B., Tripathi, S., and Chakrabarti, K.	Effect of efficient pectinolytic bacterial isolates on retting and fibre quality of jute.	<i>Industr. Crops Products</i> [IF=2.507]	36(1)	41-49.	2012
4.	Barua, S., Tripathi, S., Chakraborty, A., Ghosh, S. , and Chakrabarti, K.	Characterization and crop production efficiency of diazotrophic bacterial isolates from coastal saline soils.	<i>Microbiol. Res.</i> [IF=1.958]	167(2)	95-102	2012
5.	Bhanja Chowdhury, J., Roy, D., and Ghosh, S.	Identification of a unique splicing regulatory cluster in Hepatitis B Virus pregenomic RNA.	<i>FEBS Lett.</i> [IF=3.601]	585(20)	3348-3353	2011
6.	Chakraborty, A., Chakrabarti, K., Chakraborty, A., and Ghosh, S.	Effect of long-term fertilizers and manure application on microbial biomass and microbial activity of a tropical agricultural soil.	<i>Biol. Fertil. Soils</i> [IF=2.156]	47(2)	227–233	2011
7.	Ravichandran, S., Dasgupta, J., Chakrabarti, C., Ghosh, S. , Singh, M., and Dattagupta, J. K.	The role of Asn14 in the stability and conformation of the reactive-site loop of winged bean chymotrypsin inhibitor: Crystal structures of two point mutants Asn14 →Lys and Asn14 →Asp.	<i>Protein Engg. .</i> [IF=2.596]	14 (5)	349-357	2001
8.	Ghosh, S. and Garcia-Blanco, M. A.	Coupled <i>in vitro</i> synthesis and splicing of the RNA polymerase II transcripts.	<i>RNA.</i> [IF=5.018]	6 (9)	1325-34	2000

9.	Ghosh, S., and Singh, M.	cDNA cloning, expression, and rapid purification of a Kunitz-type winged bean chymotrypsin inhibitor.	<i>Protein Expr. Purif.</i> [IF=1.563]	10(1)	100-6	1997
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b) ***Books/ book chapters :***

S. No	Title	Author's Name	Publisher	Year of Publication
1.	The phosphoryl transfer reactions in pre-messenger RNA splicing.	Garcia-Blanco, M. A., Lindsey L. A., and Ghosh, S.	<i>RNA</i> , D. Söll, S. Nishimura and P. Moore, Eds. Elsevier Science/Pergamon Press. Amsterdam, The Netherlands. Pp. 109-124. (ISBN: 0-080-43408-8).	2000
2.	Attention Deficit Hyperactivity Disorder.	Gangopadhyay, P.K., Ghosh, S. , Mukhopadhyay, K., Gupta, D., and Singh, M.	<i>Rev. Neurol.</i> , M.M. Mehndiratta, Ed. Indian Academy of Neurology, New Delhi, India, Pp. 215-228 (ISSN: 0971-5924, ISBN: 81-900499-09)	2002

Invited lectures delivered :

8th RNA group meeting held at CSIR- Centre for Cellular and Molecular Biology, January 8-10, 2016.

Other notable activities:

- Member of Postgraduate Board of Studies in Microbiology and Biotechnology in CU affiliated colleges
 - Convener, Ph.D. Committee in Microbiology under University of Calcutta