

PROFORMA FOR BIODATA (to be uploaded)

1.	Name and full correspondences address	:	Soumen Chattopadhyay Scientist -D Biotechnology Division Central Sericultural Research & Training Institute Central Silk Board Ministry of Textiles; Govt. of India Berhampore 742 101 West Bengal
2.	E-mail(s) and contact number(s)	:	soumenchatto@rediffmail.com ; Mobile 9477454034
3.	Institution	:	Central Sericultural Research & Training Institute, Central Silk Board
4.	Date of Birth	:	15 th July, 1961
5.	Gender (M/F/T)	:	M
6.	Category (Gen/SC/ST/OBC)	:	Gen
7.	Whether differently able (Yes/No)	:	No

8. Academic Qualification (Undergraduate onwards)

#	Degree	Year	Subject	University/ Institution	% of Marks
1.	B.Sc	1981	Botany (Hons), Chemistry & Zoology as minors	University of Calcutta	II class
2.	M.Sc	1885	Botany Special paper: Plant Physiology & Biochemistry Dissertation topic: Partial purification and characterization of α -amylase from different rice genotypes	University of Kalyani	I class

9. Ph.D thesis title, Guide's Name, Institution/Organization/University, Year of Award

Title of the Ph.D thesis: Studies on Polyamines in relation to source and sink organs in plants

Guide's name: Professor Bharati Ghosh

Institute: Dept. of Botany, Bose Institute, 93/1 Acharya P C Road, Kolkata 700 009

University: Ph.D awarded from the Dept. of Botany, University of Calcutta

Year of Award: 1991

10. Work experience (in Chronological order)

#	Position held	Name of the Institute	From	To	Pay Scale
1.	SRA	CSR&TI, Berhampore, WB	February 1992	July 1995	6,500 – 10,000
2.	SRA	RSRS, Kalimpong	August 1995	December 2000	do
3	SRA	CSR&TI, Berhampore, WB	January 2000	August 2005	do
4	SRO	do	September 2005	February 2007	8,000 – 13,500
4	Scientist-C	do	February 2007		10,000 – 15,200
5	Scientist-C	RMRS, Boko, Assam	August 2008	July 2011	do
6	Scientist-C	CSR&TI, Berhampore, WB	August 2011	February 2014	do
7	Scientist-D	do	February 2014	Till date	15,600 – 39,100

11. Professional Recognition/Award/Prize/Certificate, Fellowship received by the applicant:

#	Name of Award	Awarding Agency	Year
1	Certificate of Appreciation	CSR&TI, Central Silk Board, Berhampore	2019
2	Research associateship	DBT funded Eastern Regional "Centre for Plant Molecular Biology", Bose Institute, Kolkata	1991
3	Senior Research Fellowship	Ad hoc award of CSIR, New Delhi	1988
4	Junior Research Fellowship	Bose Institute, Kolkata	1985

12. Publication(List of papers published in SCI Journals, in year wise descending order):

#	Author(s)	Title	Name of Journal	Volume	Page	Year
1	Chattopadhyay S , Maitra N, Ghosh B, Sen SP	Effect of polyamines on photosynthesis of source and sink organs in rice (<i>Oryza sativa</i> L.)	<i>Plant Cell Physiology</i> (Springer)	29	1207 – 1213	1988
2	Chattopadhyay S , Ghosh B	Effect of spermine on chloroplastic metal ion efflux of source and sink	<i>Phytochemistry</i> (Pergamon)	29	45 – 48	1990

		organs.				
3	Chattopadhyay S , Chattopadhyay S, Ghosh B	Retardation of source and sink organ senescence in rice by spermine.	<i>Indian Journal of Experimental Biology</i> (CSIR)	30	231 – 234	1992
4	Lahiri K, Chattopadhyay S , Chattopadhyay S, Ghosh B	Biochemical changes in nodules of <i>Vigna mungo</i> during vegetative and reproductive stages of plant growth in the field.	<i>Annals of Botany</i> (Oxford)	71	485 – 488	1993
5	Chattopadhyay S , Maitra N, Lahiri K, Ghosh B	Retardation of photosynthesis by polyamines during stipule and pod development in pea.	<i>Photosynthetica</i> (Springer)	32	629-633	1996
6	Chattopadhyay S , Das C, Sengupta T, Ghosh JK, Das KK, Sen SK, Pavankumar T	Evaluation of leaf gas exchange parameters of five Chinese germplasm in Indian tropical conditions.	<i>Sericologia</i> (France)	36	723 – 726	1996
7	Lahiri K, Chattopadhyay S , Chattopadhyay S, Ghosh B	Spermine induced changes in nitrogenase and α -amylase during nodule senescence of <i>Vigna mungo</i> (L.)	<i>Indian Journal of Plant Physiology</i>	4	254 - 257	1999
8	Chattopadhyay S , Maji MD, Pratheesh Kumar PM, Das KK, Saratchandra B	Response of mulberry brown leaf spot fungus <i>Myrothecium roridum</i> to different plant extracts.	<i>International Journal of Industrial Entomology (South Korea)</i>	5	183 – 188	2002
9	Krishnan N, Chattopadhyay S , Kundu JK, Chaudhuri A	Superoxide dismutase activity in haemocytes and haemolymph of <i>Bombyx mori</i> following bacterial infection.	<i>Current Science (Springer)</i>	83	321 – 325	2002
10	Das C, Sengupta T, Chattopadhyay S , Setua M, Das NK, Saratchandra B	Involvement of kinetin and spermidine in controlling salinity stress in mulberry (<i>Morus alba</i> L. cv S ₁)	<i>Acta Physiologiae Plantarum</i>	24	53-57	2002
11	Lahiri K, Chattopadhyay S , Ghosh B	Correlation of endogenous free polyamine levels with root nodule senescence in different genotypes in <i>Vigna mungo</i> L.	<i>Journal of Plant Physiology</i> (Elsevier)	161	563 – 571	2004
12	Maji MD, Chattopadhyay S , Pratheesh Kumar PM, Saratchandra B	<i>In vitro</i> screening of some plant extracts against fungal pathogens of mulberry (<i>Morus</i> spp).	<i>Archives of Phytopathology & Plant Protection</i> (Taylor & Francis)	38	157-154	2005
13	Chattopadhyay S , Krishnan N, Maji MD	Peroxidase activity during leaf infection of mulberry (<i>Morus alba</i> L) with brown leaf spot fungus <i>Myrothecium roridum</i> .	<i>International Journal of Industrial Entomology</i>	12	21-28	2006
14	Chattopadhyay S , Ali KA, Doss SG, Das NK, Aggarwal RK, Bandopadhyay TK, Sarkar A, Bajpai AK	Evaluation of mulberry germplasm for resistance to powdery mildew in the field and greenhouse.	<i>Journal of General Plant Pathology</i> (Springer)	76	87–93	2010
15	Chattopadhyay S , Ali KA, Doss SG, Das NK, Aggarwal RK, Bandopadhyay TK, Sarkar A, Bajpai AK.	Association of leaf micro-morphological characters with powdery mildew resistance in field-grown mulberry (<i>Morus</i> spp.) germplasm.	<i>AoB PLANTS</i> (Oxford)	plr002 doi:10.1093/aobpla/plr002		2011
16	Chattopadhyay S , Tikader A, Das NK	Nondestructive, simple, and accurate model for estimation of the individual leaf area of som (<i>Persea bombycina</i>).	<i>Photosynthetica</i> (Springer)	49	627-632	2011
17	Chattopadhyay S , Doss SG, Halder S, Ali KA, Bajpai AK	Comparative micro-propagation efficiency of diploid and triploid mulberry (<i>Morus alba</i> cv. S ₁) from axillary bud explants.	<i>African Journal of Biotechnology</i> (Academic Journal)	10	18153-18159	2011
18	Banerjee R, Chattopadhyay S , Saha AK, Nirmal Kumar S	Association of morphological and biochemical features of mulberry lines with resistance to bacterial leaf spot	<i>Archives of Phytopathology & Plant Protection</i> (Taylor & Francis)	DOI: 10.1080/03235408.2013.868693		2014
19	Chattopadhyay S , Sangma CD, Tikader A, Rajan RK, Bindroo BB	Assessment of som (<i>Persea bombycina</i> Kost.) clones for resistance against leaf spot pathogen <i>Phyllosticta persae</i> under field condition.	<i>Tropical Plant Pathology</i> (Springer)	39	259-264	2014

20	Banerjee R, Chattopadhyay S , Das NK, Doss SG, Saha AK, Nirmal Kumar S	Combining ability analysis for bacterial leaf spot resistance, leaf yield, and agronomic traits in mulberry clones	<i>Journal of Crop Improvement</i> (Taylor & Francis)	28	305-323	2014
21	Banerjee R, Chattopadhyay S , Saha AK	Genetic diversity and relationship of mulberry genotypes revealed by RAPD and ISSR markers	<i>Journal of Crop Improvement</i> (Taylor & Francis)	30	478-492	2016
22	Makwana P, Chattopadhyay S , Sivaprasad V	Evaluation of synthetic antimicrobial peptides for the control of mulberry brown leaf spot disease incited by <i>Myrothecium roridum</i>	<i>Journal of Crop & Weed</i>	15	209-212	2019

13. Detail of Patents:

#	Patent Title	Name of Applicant(s)	Patent No.	Award Date	Agency/Country	Status
1	Novel process of antifungal peptide mediated suppression of <i>Myrothecium</i> leaf spot and <i>Fusarium</i> root rot diseases in mulberry (<i>Morus</i> spp.)	Chattopadhyay S , Makwana P, Pappachan A, Sivaprasad V	Applied for	--	Indian Process Patent	Under process

14. Books/Reports/Chapters/General Articles etc.

#	Title	Author's Name	Publisher	Year of Publication
1.	Screening of mulberry (<i>Morus</i> spp.) germplasm for the resistance to powdery mildew In: <i>Moriculture eds.</i> Pandey SP & Jaiswal RK)	Chattopadhyay S, Sarkar A, Bajpai AK	APH Publishing Corporation, New Delhi	2009
2	Book Chapter: Chapter 1,3,5 & 6 In: <i>Manual of mulberry diseases and pest management (eds: Houssein Z, Chandra S, Kumar JS)</i>	Chattopadhyay S	CSR&TI, Central Silk Board, Berhampore	2017
3.	Chapter 2 and 7 In: <i>Manual of mulberry diseases and pest management (eds: Houssein Z, Chandra S, Kumar JS),</i>	Dutta SK and Chattopadhyay S	do	2017

15. Any other Information (Maximum 500 words):

A. Research interest & willing to accept graduate /postgraduate internship upto 3months:

- Mulberry biotechnology
- Host pathogen interaction of mulberry diseases
- Mulberry physiology

B. Professional Training undergone:

Topic of professional training	Organized by and venue	Period
Post M Sc course work	Bose Institute, Kolkata	06 months
SRA Foundation course	CSR&TI, Central Silk Board Berhampore,	06 months
Computer application	Murshidabad Institute of Technology, Berhamore, Murshidabad	06 days
Statistical methods for Sericulture research	Central Silk Board, Bangalore and IIM, Bangalore	04 days
DNA marker analysis in plants	Dr Ramesh K Aggrwal, Scientist-F,CCMB Hyderabad	06 days
Dimension of Nanotechnology: Science, Technology and Society	DST-NIAS workshop, National Institute of Advance studies, IISc-campus, Bangalore	06 days

C. Membership of Professional Societies:

- Life member Indian Association of Cultivation of Sciences, Kolkata
- Member Plant Physiology Forum, India
- Member The Indian Science Congress Association, Kolkata
- Member National Academy of Sericulture Sciences
- Member Indian Society of Genetics & Plant Breeding, New Delhi