

CURRICULUM VITAE

Name : **Dr. SANTANU CHAKRABARTI**

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Pin-700050
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Date of Birth : July 19, 1968

Present Designation : **Principal, West Bengal Senior Educational Service (WBSES)**
Government General Degree College, Singur
Dist: Hooghly, Pin-712409, West Bengal
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Google Scholar Id : <https://scholar.google.com/citations?user=UUM8I-MAAAAJ&hl=en>

Educational

Exam. Passed	Board / University	Subjects	Year	Division /Class
S.F. or Equivalent	WBBSE	Bengali, English, Mathematics, Physical Science, Life Science, History, Geography, Chemistry (Addl.), Work Education.	1982	First
H.S. or Equivalent	WBCHSE	Bengali, English, Physics, Chemistry, Biology	1984	First
Bachelor's Degree	University of Calcutta	Zoology (Hons), Botany & Physiology (minor subjects)	1987	First
Master's Degree	University of Calcutta	Zoology (Specialization : Ecology)	1989	First
Research Degree(Ph.D.)	University of Calcutta	Microbiology & Immunology	1997	Awarded
Others (Degree/ Diploma etc.) (NET)	UGC- CSIR	Life Science	1989	Qualified

Research :

Pre-Doctoral (6 years)	<i>At</i> National Institute of Cholera & Enteric Diseases (NICED), Kolkata	1990-1995	<i>With</i> UGC Junior Research Fellowship & CSIR Senior Research Fellowship	<i>STUDIES ON HOST IMMUNE MECHANISM IN SHIGELLA DYSENTERIAE TYPE 1 INFECTION</i>
Post Doctoral (National Level) (2 Years)	<i>At</i> Bose Institute, Kolkata	1996-1997	<i>With</i> Department of Biotechnology (DBT), Post-Doctoral Fellowship	<i>MOLECULAR GENETICS OF MYCOBACTERIA</i>
Post Doctoral (International Level) (2 Years)	<i>At</i> National Institute of Health (NIH) Tokyo, Japan	1998-1999	<i>With</i> Japan International Science & Technology Exchange Center (JISTEC) Fellowship	<i>MOLECULAR GENETICS OF SHIGELLA</i>

RESEARCH PROJECTS CARRIED OUT :

Title of the project	Name of the funding agency	Duration
Regulation of virulence of <i>Shigella</i> Spp. with special reference to the Expression of the membrane components (Broad Subject Area: Microbiology)	University Grants Commission UGC MRP No. F.PSW-032/05-06(ERO) sanctioned on 21 st March, 2006	March, 2006-March, 2008
“SHIVIR- A Database of Proteins Associated with <i>Shigella</i> Virulence” (Broad Subject Area: Bioinformatics)	University Grants Commission UGC MRP No. F.PSW-098/11-12(ERO) sanctioned on 3 rd August, 2011	August, 2011-July, 2013

CURRENT RESEARCH PROJECTS (Completed):

Funding Agency: Department of Science & Technology, Govt. of West Bengal

Title of the Project: “Virtual Screening of Natural Compounds against *Shigella* Invasion proteins for identifying potential leads for drug design”

(Broad Subject Area: Microbiology, Bioinformatics)

Project Sanction No. 210(Sanc.)-ST/P/S&T/5G11/2018 Sanction Date : 20/2/2019

Project Duration: 3 Years; Completed in 2023

P I: DR. SANTANU CHAKRABARTI JRF: Ms. Sarmishta Mukhopadhyay (PhD awarded)

Teaching :

Course	Duration (year/ Month)
1. P.U. /U.E. /H.S.	July, 1999 to Dec, 2001
2. Degree (Pass)	July, 1999 till date
3. Degree (Honours)	July, 1999 till date
4. Post –Graduate	August, 2009 till date

PARTICIPATION IN CORPORATE LIFE :**a) Management :**

Principal(WBSES)	Since February 28, 2017	Government General Degree College, Singur
Registrar (Addl. Charge)	Since October, 2023 to February, 2025	Rani Rashmoni Green University, Hooghly, WB
Officer-in-Charge (WBES)	January, 2016 - February, 2017	Krishnagar Government College
	November, 2011 - January, 2017	A.P.C.Roy Govt. College, Siliguri
Executive Committee Member	2017 till date	Burdwan University
University Court Member	2020 till date	Burdwan University
Invited Member	2017 till date	Biodiversity Management Committee (BMC), Singur , Hooghly for the preparation of “ People's Biodiversity Register ”.

b) Editorship of Journals :

Member of National Editorial Advisory Board	Indian Journal of Microbiology Research, Innovative Publication, New Delhi (ISSN 2394-545X)	2015-2017
Chief Editor	“ Conscientia ”, Academic Journal Published by Krishnagar Govt. College(ISSN 2278-6554)	2017
Member of Editorial Board	West Bengal State Book Board, Govt. of West Bengal(Subject: Zoology)	2009-2011

Chief Editor	“ Manabjabin: A dossier of Covid-19 Pandemic” (ISBN : 978-81-8211-162-2) published by Govt.General Degree College, Singur	2020
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c) **Membership of Learned Societies** : Life Member of **Association of Microbiologist of India (AMI)**
Life Member of **Indian Science Congress Association (ISCA)**

d) **Awards** : **Excellence in Teaching “Sikhsharatna” Award 2018 by the Govt. of West Bengal**

e) **Research Guidance:** Recognized as a **Research Guide(Supervisor)** leading to Ph.D. degree by **Burdwan University** since August, 2019 and **St.Xaviers College, Kolkata** since 2022

f) **PhD guidance** : **Total number of registered students : 04, PhD awarded: 02**

PUBLICATIONS

International Journals

Sl. No.	Title with page No.	Journal	ISSN/ ISBN No.	Whether peer reviewed. Impact Factor, if any
1	Mukhopadhyay S, Zanchi FB, Dhar A, Santanu Chakrabarti , Ganguly S(2025) Inhibiting multidrug resistant Shigella flexneri using comparative genomics guided in vitro and in silico screening	Journal of Ethnomorphology (Elsevier) ; vol 352:120187	ISSN 0378-8741	IF:5.4
2	Pakhira A, Paria P, Malakar B, Devi MS, Kumar V, Das BK, Chakrabarti S* , Behera BK (2024) Pathogenomic profiling: Decoding the pathogenic potential of virulent Bacillus cereus associated with mortality of farmed Labeo rohita (Hamilton, 1822), in India	Aquaculture (Elsevier) Vol: 595(2025)741703	ISSN 0044-8486	IF: 3.9

3	<p>Identification and virulence gene characterization of pathogenic bacteria from diseased <i>Labeo rohita</i> (Hamilton, 1822): Insight into aquatic animal health management in Indian aquaculture(2024)</p> <p>Behera BK Pakhira A, Paira P, Malaker B, Shaya Devi M,</p>	<p>AIMS Molecular Science</p> <p>http://www.aimspress.com/journal/ Molecular (USA)</p>	<p>ISSN 2372- 0301</p>	<p><u>Web of Science</u> Indexed IF 0.7</p>
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	Kumar V, Das, BK, Samanta AK, Chakrabarti S* 11 (3), 277-302			
4	Comparative genomics and characterization of <i>Shigella flexneri</i> isolated from urban wastewater(2024) GS Mukhopadhyay S, Singh M, Mitra Ghosh M, Chakrabarti S 39 (2), ME23105	Microbes and Environment https://www.jstage.jst.go.jp (Japan)	ISSN 1347-4405	IF 2,18 Indexed in Scopus
5	Nath P, Chakrabarti S , Mukherjee S (2023) Nest habitat selection and nesting success of three ground nesting passerines in post harvested rice fields of North East India Vol. 58 (2023) No. 113-126	Acta Ornithologica Polish Academy of Sciences	ISSN 1734-8471	IF: 0.83 (2023) Indexed in Scopus
6	Mukhopadhyay S, Ganguli S, Chakrabarti S* . (2022) Exploring the functions and interactions of undeciphered proteins from <i>Shigella flexneri</i>. Volume 15(1):66-75	International Journal of Computational Biology and Drug Design Inderscience Enterprises Ltd, UK	ISSN 1756-0764	IF: 0.413 (2021-22) Indexed in Scopus
7	Samaddar I, Podder,S, Chakrabarti S , Biswas, H(2021) Predatory mite fauna on medicinal and aromatic plants from Sundarban Biosphere Reserve, West Bengal, India Volume 65(2):247-260	Acta Biologica Szegediensis http://abs.bibl.u-szeged.hu/index.php/abs <u>University of Szeged, Hungary</u> DOI: 10.14232/abs2021.2.247-260	ISSN 1588-4082	IF: 0.44 (2021) Indexed in Scopus
8	Mukhopadhyay S, Ganguli S, Chakrabarti S* . (2020) <i>Shigella</i> pathogenesis: molecular and computational insights. Volume7(2): 99–121 DOI: 10.3934/molsci.2020007	Aims Molecular Science http://www.aimspress.com/journal/Molecular (USA)	ISSN 2372-0301	Peer Reviewed, Web of Science Indexed

9	Nath, P, Chakrabarti S & Mukherjee, S (2022) Breeding biology of the Oriental Skylark <i>Alaguda gulgula</i>, Bengal Bush Lark <i>Mirafa assamica</i> and Paddyfield Pipit <i>Anthus rufulus</i> in agricultural fields of West Bengal, India (in Press)	J. of Asian Ornithology 38:1-8 http://orientalbirdclub.org	ISSN 2634-6990	IF 0.571
10	Chakrabarti S (2017) Coastal Eutrophication as a Cause of Elimination of Lugworms: First record of <i>Arenicola</i> (Linn., 1758) from coastal areas of Bay of Bengal at Chandipur, Odisha, India Volume 71 (2017), 51-55.	“Biodiversity : Exploration, Exploitation, Conservation and Management – Vision and Mission” published on line in WSN http://www.worldscientificnews.com (Poland)	ISSN 2392-2192	Peer Reviewed
11	Chakrabarti A, Chakrabarti S (2017) Red-Green Color Vision Deficiency and Lack of Awareness among Rural School Students in India Vol. 44, No.7, pp.1018-1020	Iranian J Public Health (Iran)	<u>ISSN Print : 2251-6085 ; Online: 2251-6093</u>	<u>Impact Factor: 0.576 ; 2013</u>
12	Patra G, Chakrabarti S* (2014) Avian Diversity in and around Digha, District—East Midnapore (West Bengal, India) Vol. 5, 596-602	Advances in Bioscience and Biotechnology (USA)	<u>ISSN Print: 2156-8456 ; ISSN Online: 2156-8502</u>	Peer Reviewed
13	Ganguly S, Chakrabarti S* (2013) Structural analyses of <i>Shigella</i> invasion proteins reveals non-conserved; intrinsically unstructured regions Vol.5, Pages 52-58.	International Letters of Natural Sciences (USA)	<u>ISSN 2300-9675</u>	Impact Factor 0.876 WoS indexed
14	Origin Binding Activity of the Mycobacterial Plasmid	Journal of Bacteriology (USA)	ISSN 0021-	<u>Impact Factor: 3.11</u>

	pAL5000 Replication Protein RepB is Stimulated through Interaction with Host Factors and Coupled Expression of repA (2002) Vol. 184 , Pages 2204-2214.		9193	
15	Release of Interleukin-2 Induced by a Major Antigenic Outer Membrane Protein of <i>Shigella dysenteriae</i> Type 1 in Natural Infection (1997)	Microbios(UK), Vol. 92 , Pages 123-132	ISSN 0026-2633	Peer Reviewed & Indexed
16	Delayed Hypersensitivity in Relation to Host Cellular Immune Responses in <i>Shigella</i> Infected Mice (1994)	Immunology & Infectious Diseases(USA). Vol. 4, Pages 149-154.	ISSN 2333-2719	Peer Reviewed & Indexed
17	A Major Antigenic Outer Membrane Protein of <i>Shigella dysenteriae</i> 1 : Role in Adhesion to Cultured Mammalian Cells (1994)	Medical Science Research (UK). Vol.22, Pages 835-836.	ISSN 0269-8951	Peer Reviewed & Indexed
18	Gut Mucosal Lymphocyte Subpopulations in the Host-Defence of <i>Shigella</i> Infected Guinea-pigs (1992)	Immunology Letters(Netherlands) . Vol. 32 , Pages 65-68.	ISSN 0165-2478	<u>Impact Factor:</u> 2.355

National Journals

1	Mukhopadhyay S, Chakrabarti S*, Ganguli S. (2022) Insights Into The Structure And Dynamics Of <i>Shigella</i> Invasion Proteins For Use As Potential Drug Targets	J. Environ. & Sociobiol. 19(1): 37-42	ISSN 0973-0834	UGC Care Listed
2	Chakraborty, T., Saha, N.C. Chakrabarti, S (2022) Impact of Hydro-Chemical Parameters on Fish Biodiversity of a Tropical lake in Dwarekeshwar River Basin, India Volume 10(1):118-127	J. Aquatic Biology & Fisheries University of Kerala, INDIA	ISSN 2321–340X	UGC Care Listed
3	Mukhopadhyay S, Ganguli S, Chakrabarti S*. (2020) Functional Annotation of Pathogenesis Proteins in <i>Shigella flexneri</i> Using Comparative Genomics. (2020)	J. Environ. & Sociobiol. 17(1): 65-78	ISSN 0973-0834	UGC Care Listed

4	Chakrabarti, Santanu (2020) Cytokines & Cytokine Storm : Popular Terms Emerging In Covid-19	Everyman's Science (ISCA) Vol.LIV No.6 Page 368-375	ISSN 0531-495X	Peer Reviewed
5	Antibody Response to Outer Membrane Proteins in <i>Shigella dysenteriae</i> Type 1 Infection With Special Reference to Appearance of Murine Antibodies(1996)	Indian Journal of Medical Research; Vol.104,Pages 142-147	ISSN 0971-5916	<u>Impact Factor:</u> 1.396
6	Immunoblot Analysis of Antibody Response to <i>Shigella dysenteriae</i> Type 1 Infection(1992)	Indian Journal of Medical Research Vol. 95, Pages 112-114	ISSN 0971-5916	<u>Impact Factor:</u> 1.396
7	Implication of Colour Blindness: A Sample Study On The Students of a Kolkata-based High School(2011)	Recent Advances in Animal Science Research Vol.VIB, Pages 783-789.	ISBN 81-88094-02-9	Non-Referred
8	Phylogenetic Relationships Within <i>Shigella</i> Species based on Electrophoretic Profiles of Outer Membrane Proteins: A Molecular Systematics Approach(2009)	Recent Advances in Animal Science Research Vol. V, Page 633	ISBN 81-88094-19-9	Non-Referred
9	Silent Valley: an Ecological Island Presenting an Apparent Picture of Endemism (2010)	Aureole, an Academic Journal Vol.2 ,Pages 49-59	ISSN 0976-9625	Non-Referred
10	The Book that Paved The Way For Environmental Movements(2013)	Journal of the Post-Graduate Department of English Vol.3 Pages 14-22	ISSN 2249-8737	Non-Referred

Proceedings

1. Acid Tolerance as a Vehicle for Food-Borne Shigellosis” **Proceedings of the 22nd National Congress of Parasitology,2010** (Advances in Parasitology: A Novel Approach Towards a Disease Free World), Bandopahyay, PK edited. University of Kalyani. (**ISBN 978-93-5067-220-4**). Pages 232-236.

2. Complementation of autoregulation of *Shigella* plasmid coded virulence genes by a chromosomal gene. **Proceedings of UGC sponsored National Symposium on “Current Trends in Zoological Research” Published by the Department of Zoology, Presidency College, Kolkata. Pages 22-26, 2007**

3. Complementation of Auto Regulation of a *Shigella sonnei* Invasion Related Gene by Some Factor from a Genomic DNA Library. **Proceedings of 89th Indian Science Congress, held at Lucknow on January 3-7,2002. Section XIII, Page 30-31.**

4. Serological Response of a High Risk Group of Pulmonary Tuberculosis Patients from Calcutta, India to a 16 KDa Immunodominant Antigen of *Mycobacterium tuberculosis* Expressed in *Escherichia coli*. **Proceedings of the 24th Annual Conference of Indian Immunological Society, held at Science Center, Calcutta on December 22-24, 1997. Section P 64/135.**
5. Induction of Host Cellular Immune Response by an Outer Membrane Protein of *Shigella dysenteriae* 1. **Proceedings of International Symposium on Trends in Microbiology, held at Bose Institute, Calcutta on December 5-8, 1995. Section AC 52, Page 83.**
6. Delayed Type Hypersensitivity in Relation to Host Immune Response in Experimental Shigellosis. **Micon International & 35th Annual Conference of Association of Microbiologists of India, held at Defence Food Research Laboratory, Mysore on November 9-12, 1994. Section MMB-6. Page 102.**
7. "Acid Tolerance of *Shigella*: A Vehicle for Infection" published in **Proceedings of UGC sponsored National Seminar on Stress, Drug Development and Nanotechnology** held on March 5-6, 2009 at Bethune College, Kolkata. Pages 48-49.
8. Impact of human civilization on biological evolution : Threat on genetic diversity. Published in the **Proceedings of UGC sponsored state level seminar on " Impact of civilization on environment"** held at Jhargram Raj College, Midnapore(West) on 27-28 Nov, 2004. Pages 122-126.
9. Role of Acid Tolerance in Food-borne Shigellosis" **Proceedings of the 100th session of the Indian Science Congress; 2013, Medical Sciences including Physiology section; Section XI, Pages 284-285.**
10. Coastal Eutrophication as a Cause of Elimination of Lugworms: First record of *Arenicola* (Linn., 1758) from coastal areas of Bay of Bengal at Chandipur, Odisha, India; **Proceedings of the UGC – sponsored National Seminar on Biodiversity : Exploration, Exploitation, Conservation and Management – Vision and Mission** at the Barasat Government College on November 19 - 20, 2016. Published by Scientific Publishing House Złocieniec, Poland page no. 51-55(ISSN 2392-2192)

Books

1. 1. "Birds of Digha: A Coastal Belt of West Bengal, India", **Book Published by Lap Lambert Academic Publishing, Surbrücken, Germany. ISBN : 978-3-659-38755-5**

Book Chapters

1. Evaluating the Impact of Climate Change on Antimicrobial Resistance and Rise in Dysentery Using Next Generation Sequencing Based Approaches (2024) : **Microbiology-2.0 Update for a Sustainable Future (Springer Nature Singapore) : pp 373-393**

Mukhopadhyay S, Karmakar R, **Santanu Chakrabarti**, Mitra Ghosh M, Ganguli S

2. "The Erythrocyte Rosette (E-rosette) Test, a Technique used to Characterize T-lymphocytes" in **Contemporary Laboratory and Field Experiments in Zoology**, Published by Pages & Chapters, Kolkata, India (ISBN No. 978-81-8211-128-8); pp. 108-113.(2015)

2. “People’s Biodiversity Registers: A Task Ahead of the Zoologists” in **Contemporary Laboratory and Field Experiments in Zoology**, Published by Pages & Chapters, Kolkata, India (**ISBN No. 978-81-8211-128-8**); pp. 161-164.(2015)
3. “Swami Vivekananda and Charles Darwin : a compilation of the literary cross-talk on the origin of species and descent of man”, Published in a **Book: “Saswata Vivekananda”** edt. Roy,P.C. et al, Maulana Azad College, Kolkata, Page No. 107-121. (**ISBN: 978-81-928246-4-2**) (2013)
4. The Environmental Movements : Indian Activisms. Chapter of book entitled “ **Technologies of Revolution**”, Published by Barasat Govt. College, S. Mukhopadhyay & N. Jana edited. Page
5. Biological warfare and bio-terrorism: A man-made disaster. Chapter of a book entitled “**Combating Disaster**”, ACB publications, A Banerjee et al edited. Pages 1-5. (2005)

Study Materials

6. Chapters in “**Elective Botany Honours**” of Netaji Subhas Open University:

EBT 10 Environmental Botany & Plant Geography

Unit 11	Environmental Pollution	pages 18-35
Unit 12	Global Environmental problems	pages 36-50

EBT 11 Plant Biochemistry & Molecular Biology

Unit 3	Primary structure of amino acids & proteins	pages 21-32
Unit 5	Enzymes	pages 46-69

EBT 13 Cell Biology & Molecular Genetics

Unit 12	Antibodies & their uses	pages 47-69
Unit 14	Plasmid & transposable elements	pages 89-107
Unit 15	Restriction endonuclease & Recombinant DNA technology	pages 108-125
Unit 16	Genetic Library Preparation & RFLP	pages 126-144

Seminars, Conferences, Symposia, Workshop attended

Teachers’ Training

1. Participated in the UGC- Sponsored Orientation Course for the College & University Teachers held at Academic Staff College, University Of Calcutta from 9th October to 23rd November, 2002.

2. Participated in the UGC- Sponsored Refresher Course for the College & University Teachers held at Academic Staff College, University Of Calcutta from 2nd November to 24th November, 2004 (**Subject – Environmental Studies**).
3. Participated in the UGC- Sponsored Refresher Course for the College & University Teachers held at Academic Staff College, University Of Calcutta from 5th February to 24th February, 2007 (**Subject – Life Science**).
4. Participated in a retraining of college teachers course on “ **e-learning**” under UGC sponsored University with Potential for Excellence Scheme at Jadavpur University on Dec 15-16, 2006.
5. Participated in another retraining of college teachers course (in continuation with the earlier one) on “ **e-learning**” under UGC sponsored University with Potential for Excellence Scheme at Jadavpur University on Jan 20-21, 2007.

In own field of Research

1. Functional Annotation of Pathogenesis Proteins in *Shigella flexneri* using Comparative Genomics.

National Seminar on Water Conservation and Harvesting Focusing Biodiversity Issues and Management. 2020. Organized by Social Environmental and Biological Association (Seba), Kolkata. 8th February, 2020
(**Paper presented by Research Scholar**)

2. Comparative Genomics to Identify Potential Drug Targets in *Shigella*. National Seminar on “Frontiers in Biological Sciences: Chapter III” 2019. Held in Department of Microbiology, St. Xavier’s College, Kolkata. 21st and 22nd September, 2019 (**Paper presented by Research Scholar**)

3. Impact of Global Climate Change on Shigellosis and New Horizons for Treatment. International Symposium on Environment and Climate Crises. 2019. Held in Dept. of Environmental Studies, St. Xaviers College, Kolkata held on 20th December, 2019 (**Paper presented by Research Scholar**)

4. Molecular Identification and Characterization of Fish Pathogenic *Aeromonas veronii* and its Control by *Achyranthus aspera* in 1st Indian Fisheries Outlook 2022, held at ICAR-CIFRI, Barrackpore, Kolkata-120 on 22-24 March, 2022. (Paper presented by Research Scholar**)**

5. Presented a paper in the International Symposium on Emerging Discoveries in Microbiology held at School of Life Sciences, JNU, New Delhi on Sept, 13,-15, 2014 organized by Association of Microbiologists of India.

6. Presented a paper in the 100th session of the Indian Science Congress held at Calcutta University on Jan 3-7, 2013 organized by Indian Science Congress Association.

7. Presented a paper in the Govt. Of West Bengal Sponsored State level Seminar held at Chandernagore College on Jan 3-7, 2014 on Values of field studies in building biodiversity perception: teaching beyond class room.

8. Presented a paper in the UGC sponsored National level seminar held at Barasat Govt. College on Sept, 19-20, 2011 on Rediscovering 100 years of Journey on the field of Immunology: Present status of immunological research in India

9. Presented a paper in the **22nd National Congress of Parasitology** on “Advances in Parasitology: A Novel Approach Towards A Disease Free World” held at Kalyani University on October 30- November 1, 2010.
10. Presented a paper in the Academic Session in a Higher Education Department, Govt. of West Bengal sponsored seminar on “**Science since Linnaeus**” held at Bidhannagar College, Kolkata on March 18-19, 2008.
11. Presented a paper “Molecular Genetics of *Shigella*” in an UGC sponsored National level symposium on “**Current trends in Zoological Research**” held at Presidency College, Kolkata on March 9-10, 2007.
12. Presented a paper in an UGC sponsored State level seminar on “**Impact of Civilization on Environment**” held at Jhargram Raj College on Nov 27-28, 2004. Was an Editor of the proceedings published as an outcome of this seminar.
13. Presented a paper on “Biological Warfare” in an UGC sponsored National level seminar on “**Disaster and Its Management: Perspective and future approaches**” held at Krishnanagar Govt. College on April 16-17, 2004.
14. Presented a paper on “Molecular Genetics of *Shigella*” 89th Session of **Indian Science Congress**, held at Lucknow University, Lucknow on Jan 3-7, 2002.
15. A delegate in the 34th **Joint Conference on Cholera and Other Bacterial Enteric Infections Panel** organized by the US-Japan Cooperative Medical Science Program, held at Shonan Village, Japan on Nov 30-Dec 2, 1998.
16. A delegate in the International symposium celebrating “**The Centenary of the Discovery of Shiga’s Bacillus**”, held at Kitasato Hall, Tokyo, Japan on Feb 26-27, 1998.

Others

1. Participated in the Seminar on “**Awareness and Recent Development in Life Science**” at Bethune College on March 28, 2008.
2. Participated in an UGC sponsored seminar organized by Ramakrishna Mission Vidyamandir, Belur Math, Howrah on “**Microbiology : An Environmental Perspective**” held at Belur Math, Howrah, on March 4, 2008.
3. Participated in a conference on “**Voice-based BPO training**” in Centre of Excellence for Ites Assessment and Training (CEIAT) organized by Dept. of Information Technology, Govt. of West Bengal, University of Calcutta, WEBEL and Technable Solutions Pvt. Ltd. On April 4, 2005 at the Senate hall, University of Calcutta.
4. Participated in a WBGCTA organized seminar on “**Curriculum Extension : Liberal Arts**” held at Presidency College, Kolkata on Jan 22, 2005.
5. Participated in an UGC sponsored seminar on “**Automation & networking of the college libraries in the changed IT environment**” at Maulana Azad College on March 13-14, 2004.
6. Participated in an UGC sponsored, Sanskrit College & WBGCTA organized seminar on “**Relevance of Conventional Subjects: Present scenario**” held at Presidency College, Kolkata on Jan 24, 2004.

7. Participated in the UGC sponsored seminar organized by West Bengal Government College Teachers' Association on "**Globalisation: Its Impact On Indian Society**" held at Presidency College, Kolkata on 15th February, 2003.

8. Participated in the Presidency College & WBGCTA organized seminar on "**Improvement and expansion of education : Role of Teachers**" held at Presidency College, Kolkata on Jan 26, 2002.

Presented Lectures in Online Webinars

1. "**Immunity in Covid-19 infection: Hopes & Despairs**" Organized by Tamralipto Mahavidyalaya on October 9, 2020; platform: Google meet

2. "**E-learning : New normal educational delivery systems**" Organized by Govt. Girls General Degree College, Ekbalpur, Kolkata on **September 10, 2020**; platform: Google Meet

3. "**Profit or Pride: Geopolitical crosscurrents for a Corona vaccine**" Organized by the Dept. of Political Science, Govt. General Degree College, Singur on **September 9, 2020** ; platform : Google Meet

4. "**Blending off and on campus : New normal educational delivery systems**" Organized by Birbhum Mahavidyalaya, Suri on **August 19, 2020**; platform: Google Meet

5. "**Key immune regulators in Covid-19 infection : Cytokines**", Organized by the Dept. of Botany, Govt. General Degree College, Singur on **July 27, 2020** : platform : Google Meet.


5. Delivered a lecture at Jhargram Raj College, Jhargram in a seminar organized by the NSS units of this College on "Enriching young aspiring minds through Swayam- NPTEL on 8th March, 2022

6. Delivered a lecture on "Finding best National Institutes for your Career in Science" at Jhargram Raj College, Jhargram in observance of Students' Week from 01.01.2022 to 07.01.2022 as per the direction of Department of Higher Education, Govt. of West Bengal s on 01.01.2022.

7. Delivered a lecture at Jhargram Raj College, Jhargram on "Us & Them: Choice of immunity between self and non-self." In a DBT Star College Scheme sponsored Summer School Programme on 17.06.2021

8. Delivered a lecture in a State level webinar, organised by IQAC, Birbhum Mahavidyalaya, Birbhum on 19th. August, 2020 on ' Blending off & on campus: New normal educational delivery systems'.

Self attested


Principal
Govt. General Degree College, Singur

