

Teacher's Profile

Name: Dr. Suchismita Das

About

Email Id: suchismitad76@gmail.com

Date of Joining: 16th May, 2011

Qualification: Ph.D. at Bose Institute, Kolkata (awarded from Jadavpur University)

Specialization/Research Interest: Molecular Biology, Biochemistry and Cell Biology

Teaching Experience: 14+ years

Additional Information:

- Serving as IQAC coordinator since Jan 2018 and as IIC President since June 2024
- Served as NAAC coordinator (2015-2017)
- Has contributed in NAAC Accreditation of college (2016 and 2024), NIRF report submission (2024 and 2025), DCFII report submission (since 2016-17 session)
- Member of several College Committees

Activities

• Publication:

Sl. No.	Year	Title (Journal/Book/Book Chapter)	Name as applicable	ISBN/ISSN
1	2000	MCM proteins of <i>Entamoeba histolytica</i>	Arch. Med. Research (Elsevier)	ISSN: 0188-4409
2	2002	De-linking of S phase and cytokinesis in the protozoan parasite <i>Entamoeba histolytica</i>	Cellular Microbiology (Wiley)	ISSN:1462-5822
3	2003	Eukaryotic checkpoints are absent in the cell division cycle of <i>Entamoeba histolytica</i> (review)	Journal of Biosciences (Springer)	ISSN: 0250-5991
4	2005	Constitutive association of Mcm2-3-5 proteins with chromatin in <i>Entamoeba histolytica</i> .	Cellular Microbiology (Wiley)	ISSN:1462-5822
5	2006	The cyst wall of <i>Entamoeba invadens</i> contains chitosan (deacetylated chitin)	Molecular and Biochemical Parasitology (Elsevier)	ISSN: 0166-6851
6	2007	Continuous <i>Plasmodium</i> infection results in transcriptomic divergence of <i>Anopheles gambiae</i> immune and stress responsive systems	BMC Genomics (Springer)	ISSN: 1471-2164

Sl. No.	Year	Title (Journal/Book/Book Chapter)	Name as applicable	ISBN/ISSN
7	2007	Protocol for <i>Plasmodium falciparum</i> infections in mosquitoes and Infection Phenotype determination	Journal of Visualized Experiments	ISSN: 1940-087X
8	2007	Protocol for Mosquito rearing (<i>A. Gambiae</i>)	Journal of Visualized Experiments	ISSN: 1940-087X
9	2007	Protocol for dengue infections in mosquitoes (<i>A. aegypti</i>) and infection phenotype determination	Journal of Visualized Experiments	ISSN: 1940-087X
10	2008	The Gram Negative Bacteria Binding Protein gene family; its role in the innate immune system of <i>Anopheles gambiae</i> and in anti- <i>Plasmodium</i> defense	Insect Molecular Biology (Wiley)	ISSN: 0962-1075
11	2008	Molecular Analysis of photic inhibition of blood-feeding in <i>Anopheles gambiae</i>	BMC Physiology (Springer)	ISSN: 1472-6793
12	2009	Specificity of the innate immune system: A closer look at the mosquito pattern recognition receptor repertoire	Book chapter in "Insect Infection and Immunity	ISBN: 978-0-19-954315-1 Oxford University Press
13	2010	Trichomonas transmembrane cyclases result from massive gene duplication and concomitant development of pseudogenes	PLoS Neglected Tropical Disease	ISSN: 1935-2727
14	2010	Transcriptomic and functional analysis of the <i>Anopheles gambiae</i> salivary gland in relation to blood feeding	BMC Genomics (Springer)	ISSN: 1471-2164
15	2010	Pathogenomics of <i>Culex quinquefasciatus</i> and meta-analysis of infection responses to diverse pathogens	Science (AAAS)	ISSN: 0036-8075
16	2011	Engineered <i>Anopheles</i> immunity to <i>Plasmodium</i> infection	PLoS Pathogen	ISSN: 1553-7366
17	2012	<i>Anopheles</i> Imd pathway factors and effectors in infection intensity-dependent anti- <i>Plasmodium</i> action.	PLoS Pathogen	ISSN: 1553-7366
18	2013	Bacteria- and IMD pathway-independent immune defenses against <i>Plasmodium falciparum</i> in <i>Anopheles gambiae</i>	PLoS One	ISSN: 1932-6203
19	2018	Characterization of bacterial strains isolated from natural sources involved in decolorization of Malachite green dye	The Pharma Innovation	ISSN: 2277-7695
20	2019	Characterization of Laccase enzyme from dye degrading bacterial strains isolated from natural sources	Research and Reviews: A Journal of Microbiology and Virology	ISSN: 2349-4360
21	2021	Decolourization of Textile Dye by Bacteria Isolated from Ganges Water Near Cossipore Region, Kolkata	Journal of Innovation in Applied Research	ISSN: 2581-4206

Sl. No.	Year	Title (Journal/Book/Book Chapter)	Name as applicable	ISBN/ISSN
22	2021	Recent Approaches in Sustainable Agriculture Development and Food Security, Crop Management, Forestry, Food Technology and Environmentally Balanced Production Enhancement	Book chapter in 'Bioremediation: A Prospective Tool for Alleviating Environmental Pollution	ISBN: 978-81-943375-4-6 Mahima Research Foundation and Social Welfare
23	2023	Polyhydroxyalkanoates and their implications for sustainable future	Book chapter in Research Trends in Microbiology	ISBN: 978-93-88901-69-7 Bhumi Publishing India

- **Presentation:**

Sl. No.	Year	Title	Organized By
1	2001	"The cell cycle of <i>Entamoeba histolytica</i> ". (Oral)	XI International Congress of Protozoology (ICOP), Salzburg, Austria
2	2002	"Mcm proteins of <i>Entamoeba histolytica</i> ". (Poster)	International Conference on Amoebiasis and the biology of <i>Entamoeba histolytica</i> , Agra, India
3	2007	"Circadian control of blood feeding in <i>Anopheles gambiae</i> : Exploratory pilot-scale study to identify light entrainable molecular components that regulate mosquito blood feeding". (Oral)	American Society of Tropical Medicine and Hygiene, Philadelphia, USA
4	2010	'The Regulatory role of Vitellogenin promoter driven <i>Anopheles gambiae</i> NF-kB Rel2 transgene in the defense against <i>Plasmodium</i> parasites and other microbes'. (Poster)	American Society of Tropical Medicine and Hygiene, Philadelphia, USA
5	2012	"Engineering <i>Anopheles</i> immunity to inhibit <i>Plasmodium</i> infection" (Oral)	UGC sponsored National Seminar on 'Recent Advances in Microbiology and Biotechnology' organized by Bidhannagar College, Kolkata, India
6	2019	"Microbes in our Life" (Poster)	One-Day State level Seminar organized by Vijaygarh Jyotish Ray College.

- **Participation in Seminar/Conference/Workshop/Symposium:**

Sl. No.	Year	Title	Organized By
1	2014	One-day Seminar com workshop on 'Microbial Training and its role in marine and other ecosystems functioning'	Department of Biochemistry, University of Calcutta
2	2014	UGC-Sponsored National Level Seminar on 'Frontiers of Microbiology: Prospects and Challenges'	Ramkrishna Mission Vidyamandira

Sl. No.	Year	Title	Organized By
3	2017	RUSA - funded International Level Seminar on 'Recent Trends in Microbiology', as Platinum Jubilee Celebration of Ramkrishna Mission Vidyamandira	Ramkrishna Mission Vidyamandira
4	2017	UGC-sponsored National Level Seminar on 'Modern Trends in Environmental Microbiology'	Scottish Church College
5	2018	DST-funded International Seminar on 'Frontiers in Biological Science (FIBS)'	St. Xavier's College
6	2018	One-day University Level workshop on "Towards ICT Empowerment for teaching-learning process"	IQAC, Vijaygarh Jyotish Ray College
7	2018	One-day Seminar on 'Revised Rules & Regulation of Assessment & Accreditation by NAAC.	IQAC, Vijaygarh Jyotish Ray College
8	2019	NAAC Sponsored National Level Seminar on 'New Methodology of NAAC assessment for Quality Enhancement in Higher Education Institutes'.	Ramkrishna Mission, Vivekananda Centenary College
9	2019	NAAC Sponsored State Level Seminar on 'Student Satisfaction Survey: Role of students in Quality Assurance & assessment under the revised Curriculum Framework, organized by	P.N. Das College
10	2019	NAAC Sponsored National Level Seminar on 'Opportunities and Challenges: The role of IQAC in Governance, Leadership and Management	Bijoy Krishna Girls' College, Howrah
11	2020	Webinar on 'Recent Developments in Diagnosis of Covid-19'	Silver Jubilee Govt. College, Kurnool, AP
12	2020	Webinar on 'Intellectual Property Right'	Smt. Laxmibai Radhakisan Toshniwal College of Commerce, Akola
13	2020	International Webinar Lecture series on 'Novel Coronavirus: Myths and Facts	Dept. of Microbiology in association with IQAC & Research and Guidance Cell, Vijaygarh Jyotish Ray College, Kolkata
14	2020	Webinar on 'Exploring the Covid 19 pandemic: an Indian perspective'	Department of Microbiology, Acharya Prafulla Chandra (APC) College, Kolkata
15	2020	Webinar on 'Post pandemic teaching-learning method: A paradigm shift'	IQAC, Bhairab Ganguly College in collaboration with IQAC, Sree Chaitanya College, Habra
16	2020	International Webinar and Panel discussion on "Prevention and control of Vector borne diseases amidst Covid-19	IQAC, Surendranath College, Kolkata
17	2020	National Webinar Lecture series on Biodiversity 'Intellectual Property Right in Perspective of Biodiversity in India'	IQAC in collaboration with departments of Botany, Microbiology, Physiology and Zoology, Vijaygarh Jyotish Ray College, Kolkata
18	2020	Webinar on 'Covid 19: Facts and Facets'	IQAC, Sarat Centenary College, Kolkata

Sl. No.	Year	Title	Organized By
19	2020	National webinar on 'Covid -19 Pandemic - Challenges and conquest for student'	IQAC and departments of Chemistry and Zoology, City College, Kolkata.
20	2020	National Level webinar on 'Covid-19 diagnosis: Prospects and Challenges'	Departments of Microbiology and Zoology, Maulana Azad College, Kolkata
21	2020	Webinar on "NAAC Assessment and Accreditation for Affiliated Colleges- Revised Accreditation Framework"	IQAC, Rani Birla Girls' College, Kolkata
22	2020	Webinar on 'Covid 19: an enigma'	Lady Brabourne College
23	2020	Developing skill through ICT Tools & Technique	Gokhale Memorial Girl's College
24	2020	International Webinar on Sars-Cov2: In search of Origin to Antidote	Dumdum Motijheel College
25	2020	'Science amidst Covid Pandemic: Life Goes On'	Raidighi College and Sammilani Mahavidyalaya
26	2020	Webinar on 'Blended Learning Approaches in Teaching (WS-BLAT)'	Microbiologists Society India
27	2020	National Webinar on 'Revised NAAC Assessment and Accreditation Process for Affiliated colleges'	Serampore Girl's College and Bidhan Chandra College Rishra
28	2020	Webinar on 'NAAC Assessment and Accreditation Process'	St. Xaviers' College
29	2020	Seven Days National Level Online Hands-On Faculty Development Programme on 'Reskilling Using ICT Tools'	Faculty Of Computer Science And Engineering. Dr. M.G.R. Educational And Research Institute, Maduravoyal Chennai
30	2020	Online FDP on "Educational Video Creation (E-content Development)"	Vijaygarh Jyotish Ray College, Kolkata, West Bengal jointly with Toshniwal Arts, Commerce, Science, Hingoli, Maharashtra
31	2020	International Webinar 2020 'Crucial Roles of Biological Rhythms in Health & Diseases: A Novel insight into Covid 19 management'	Department of Microbiology and IQAC, Scottish Church College
32	2020	Webinar on 'Intellectual Property Rights : Issues and Impact'	Lady Brabourne College
33	2020	National Level E-workshop on Qualitative metrics and Quantitative Metrics: Data Validation for Assessment of HEI by NAAC,	Jointly by IQAC and Library, Vijaygarh Jyotish Ray College
34	2020	National Webinar on 'Emergence of New Pandemics : New Challenges to Microbiologists'	Post Graduate Department of Microbiology & IQAC Bidhannagar College
35	2021	Webinar "Science, Technology and Innovation in shaping Education" on the occasion of Celebration of National Science Day	Maulana Azad College in collaboration with Microbiologists Society, India

Sl. No.	Year	Title	Organized By
36	2021	National Webinar, a popular lecture on "Journey of Microbiology : Evolution to its Modern Age Applications"	Department of Microbiology, Scottish Church College in collaboration with IQAC & Microbiologists Society, India
37	2021	Fall session Undergraduate and Postgraduate Microbiology Orientation webinar series	Advanced Research Centre, Department of Microbiology, Lady Brabourne College, Kolkata
38	2022	Two-Day Workshop on 'Promoting Research Excellence in Academics across West Bengal'	West Bengal Higher Education Council
39	2022	State Level Conference on Choice-Based Credit System (CBCS): A New Dimension to Higher Education (Blended mode)	IQAC, Vidyasagar College for Women in collaboration with NAAC
40	2022	New NAAC guidelines for 'AQAR, IQA, SSR and Quality Enhancement in Higher Education'	Vidyasagar College for Women in Collaboration with NAAC
41	2023	One-Day National Webinar on "NEP-2020: Overview and Milestones to Achieve"	Microbiologists Society (West Bengal Unit)
42	2023	One-Day FDP in Blended mode on 'Massive Open Online Course (MOOC) of SWAYAM	IQAC and NAAC committee of Durgapur women's College in collaboration with IQAC and R&D Cell of Kabi Sukanta Mahavidyalaya
43	2025	International Seminar: "Biochemistry: Then and Now"	Department of Biochemistry, University of Calcutta
44	2025	5-Day National Level Online FDP on "Discovering Indian Knowledge System-A Multi-Disciplinary Approach",	The Holy Cross College, Tiruchirappalli
45	2025	One day State Level Workshop on "Enhancing Skills, ensuring Employability: Summer Internships as hands-on pathways to Experiential Learning"	Internal Quality Assurance Cell (IQAC) Ramakrishna Mission Vidyamandira, Belur Math and Raidighi College, South 24 Parganas
46	2025	Online Master class series 'Intellectual Property Utsav'	All India Council for Technical Education (AICTE) and Ministry of Educations' Innovation council (MIC)
47	2025	Two-Day session "Down the Memory Lane: 2000-2025', on the occasion of Silver Jubilee celebration	Department of Microbiology in collaboration with IQAC, Dhruva Chand Halder College and Microbiologists Society, India (MBSI)