



Dr. Saptarshi Chatterjee

Associate Professor (Microbiology)
School of Life Science and Biotechnology
Associate Director Centre for Incubation
Chief Coordinator, E-YUVA Centre (Funded by BIRAC)
ADAMAS University
Convener: IIC-AU & Coordinator NISP Implementation AU
Industry Academia Collaboration Lead, BOSCH-AU
Director, ACIC-AIIF (Section 8, Not-for-Profit Company)
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Objective:

To excel in the field of research, teaching and administration, by efficiency utilizing my knowledge, education and experience and there by contribute to the field of science for human welfare and to my professional career as well.

Educational Qualification:

M.Sc Microbiology: 2009 (Bangalore University)

Ph.D Microbiology: 2014 (University of Kalyani)

- Career Award Programme in Medical Genetics from Eau Claire Institute, U.S.A.
- Online Certificate Course' on 'Right to Information Act-2005' from Department of Personnel and Training, Govt. of India.
- Certified Trainer' from National Skill Development Council (NSDC) in Qualification Pack of Trainer (MEP/Q2601) conforming to National Skill Qualification Framework (NSQF) Level-5
- 'Diploma In Fine Arts' from 'All India Fine Arts Association

Post-Doctoral Experience:

Sl. No.	Institute	Designation	Department	Domain	Duration
1	IISER Kolkata	Post-Doctoral Fellow (MHRD, Govt. of India Funded)	Chemical Sciences (AM Lab)	Anticancer Drug development and Screening	Oct 2014-Aug 2016

International Exposure:

1. Participated in the Staff Exchange Program (Professional Development) at Bath Spa University, UK funded by Erasmus Plus Project of European Union) 23rd May to 2nd June 2022.

- Participated in Faculty Exchange Program at Rzeszow University of Technology, Poland Funded by Erasmus Plus Project of European Union from 28th Feb 2023- 5th Mar 2023.

Teaching Experience:

SI No	Institute	Designation	Department	Duration
1	Shree M & N Virani Science College (Autonomous), Rajkot, Gujarat	Assistant Professor (Approved by Saurashtra University)	Microbiology (PG)	Aug 2016- Aug-2018
2	ADAMAS University	Assistant Professor	Microbiology	Sept 2018- Dec-2019
3	ADAMAS University	Associate Director: Incubation	Incubation	July 2020-till date
4	ADAMAS University	Associate Professor	Microbiology	Jan 2021-till date

Online Courses:

SI No	Course	Offering Institute	Online Platform
1	COVID-19: Operational Planning Guidelines and COVID-19 Partners Platform to support country preparedness and response	World Health Organization (WHO)	WHO-Online
2	COVID-19: What You Need to Know (CME Eligible)	Osmosis.org	Coursera
3	Introduction to the Biology of Cancer	John. Hopkins University	Coursera
4	Infection Prevention and Control (IPC) for Novel Coronavirus (COVID-19)	World Health Organization (WHO)	WHO-Online
5	Severe Acute Respiratory Infection (SARI) Treatment Facility Design	World Health Organization (WHO)	WHO-Online
6	Leadership in 21 st Century Organizations	Copenhagen Business School	Coursera

Extramural Funding Received:

SI No	Theme	Funding Agency	Amount (Year)
1	Conducting Faculty Development Program on Entrepreneurship Development.	DST, Govt. of India	1 Lakh (2020-21)
2	Entrepreneurship Development Program for Rural India	NRDC, Govt. of India	2.5 lakhs (2020-21)
3	Impact Lecture Series (On behalf of University)	Innovation Cell, MoE Govt. of India	12 thousand (2022-23)
4	Establishment of Translational Research Centre (E-YUVA)	BIRAC	266 Lakhs (2021-22)
5	Establishment of IPR Cell	DSTBT, Govt. of WB	Phase I: 50 Thousand (2022-23)
6	Organizing Young Entrepreneur Summit 2022	YouthAid Foundation	1 Lakh (2021-22)

7	Smart Toilet Solution (As Co-Mentor)	YUKTI (AICTE, Govt. of India)	3.5 lakhs
8	MSME Hackathon (Sanctioned to Women Innovators): As In-charge HI	MSME, Govt. of India	25 Lakhs
9	Participation at India Science Fest, Pune	ISF	50 Thousand (2024-25)

Achievements & Awards:

1. ‘Mentor of Change’, Atal Innovation Mission, Niti Aayog, Govt. of India
2. ‘Best Leader Award’ at ‘Adamas Dialogue’ Annual Leadership Meet on Dec 2020 and 2021 (Two consecutive times)
3. Awarded for ‘Leadership role in Innovation and Entrepreneurship Development’ at Adamas Achievers Award 2024.
4. Awarded ‘Albert Nelson Marquis Lifetime Achievement Award 2017’ for overall contribution in science and society at an early career.
5. Awarded 2nd Position (Runners Up) in “Best Oral Presentation” in World Congress On Holistic Medicine, an International Conference, Organized by IHMA at Bangalore. (2009)
6. Awarded for ‘Best Poster Research Paper Presentation’ in ANM 2012, an international conference at IIT, Madras. (2012)
7. Awarded ‘International Travel Scheme (ITS) Award in Young Scientist category’ by Science and Engineering Research Board (SERB), Department of Science and Technology, Govt. of India to attend World Congress on Nanomedicine 2012 at Shenzhen, China in Nov 2012.
8. Awarded ‘IISER Kolkata Post-Doctoral Fellowship’ by MHRD, Govt. of India (2014-2016)
9. Awarded ‘INST Post-Doctoral Fellowship 2016’ by DST, Govt. of India (Declined)
10. Smart India Hackathon 2023 Champion (MoE & AICTE) as Mentor
11. Selected to represent ‘West Bengal’ in AIM, NITI Aayog Peer Learning Workshop at Bangalore, 2022.
12. Delivered the ‘Baruni Devi Memorial Lecture 2024’ at Dhruba Chand Halder College, Dakhsin Barasat (Affiliated to University of Calcutta).

Prestigious Responsibilities:

1. Mentored the ‘Champion Team’ of Smart India Hackathon 2023.
2. Allotted responsibility to mentor 7 teams from Atal Tinkering lab through ‘Student Innovation Program’, AIM, NITI Aayog, Govt. of India.
3. Member of ‘Biotech and Pharma Committee’ of Bengal Chamber of Commerce & Industries.
4. Selection Committee Member of ‘Start-up India Seed Fund Scheme, Govt. of India and IGNITE for North East’
5. Represented ‘West Bengal’ at the Atal Innovation Mission, NITI Aayog (Govt. of India) Peer-Learning Workshop at Bangalore in 2023.
6. External Member & Mentor of Institutions Innovation Council of : Vedanta College, Brahmananda Kesab Chandra College & Seth Soorajimull Jalan Girls’ College.

Research Fellows:

- BIRAC E-YUVA Fellows (Teams) : 10
- BIRAC Innovation Fellow : 03
- Ph.D Scholar (Not Funded) : 02 (As Co-supervisor)

Workshop/ Seminar/ Conference:

Conducted 50+ National level workshops/ seminar/ conferences and participated in 30 + seminar/ conferences across India as speaker, presenter.

Patent:

1. Arghya Bandyopadhyay, **Saptarshi Chatterjee**, Keka Sarkar, “Synthesis of surface active gold nano layer fabricated iron-oxide nano composite”2011 (Indian Patent Granted; Patent No: 290222)
2. **Saptarshi Chatterjee**, Arghya Bandyopadhyay, Keka Sarkar “A method for gold nanoparticle mediated delivery process of plasmid” 2011 (Indian Patent Granted; Patent No. 318003)
3. **Saptarshi Chatterjee**, Nanosensor: a software aid to the nano-sensing system. 2014 (Copyright)

Administrative Responsibilities:

- Head, Business Incubator at HEI i.e. Adamas University (Approved by MSME, Govt. of India)
- Nodal Officer, IPR Cell (Supported by WBSCST, Govt. of WB)
- Nodal Officer for Department of Higher Education at Bengal Global Business Summit 2023 & 2025 an event of Govt. of West Bengal.
- Convener of Institution’s Innovation Council: Adamas University (2020-2023)
- Vice President of Institution’s Innovation Council: Adamas University (2024-till date)
- Nominated Member to Implement National Innovation and Start-up Policy (NISIP), Govt. of India at the Institutional Level. (2020-till date)
- Faculty-In-Charge of Adamas Incubation Centre (AIF) : Section 8 Non Profit Company (2020-till date)
- Member of COVID 19 Task Force, Adamas University, Kolkata (2020)
- Member of IQAC of Adamas University. (2020-till date)
- Convener, DSIR Application Committee, Adamas University (2019-till date)
- Deputy Examination Superintendent: PSC Examination (Govt. of WB) held at Adamas University (2019-2020)

- Member of Faculty Council (FC) School of Life Science & Biotechnology, Adamas University
- Member of Board of Studies (BoS) of Department of Microbiology/ Biological Sciences at Adamas University
- Member of Board of Studies (BoS) of Department of Microbiology at Shree M & N Virani Science College. (2016-2018)
- Examiner, Question setter and Evaluator of Dept. of Microbiology (PG), Shree M & N Virani Science College (Autonomous), Rajkot (2016-2018)
- ‘Resource Person’ in GSBTM (Govt. of Gujarat) sponsored ‘Crash Workshop’ for UG students (29th Jan 2017)
- ‘Resource Person’ in Gujarat State Biotechnology Mission (Govt. of Gujarat) sponsored Workshop for UG students (7th April 2017)
- ‘Session Coordinator’ for GSBTM (Govt. of Gujarat) sponsored ‘Crash Workshop’ for UG students (8th Apr 2017)
- Represented Saurashtra region in ‘Brainstorming Session for Academia-Industry Gap reduction’ organized by GSBTM (Govt of Gujarat) at BISAG, Gandhinagar, Gujarat. (18th Nov 2016)
- Judge for ‘Poster and Model Competition’ for Third Year students of B.Voc. MLMDT.

Invited Talk/ Resource Person and External lectures delivered (2022 onwards)

Sl. No.	Title of Event/ Program	Invitation Type	Organizer	Location	National/ International	Date
1	AICTE Innovation, Design & Entrepreneurship (IDE) Bootcamp	Expert Speaker	Techno International Batanagar	Kolkata	National	10th April 2024
2	The Evaluation of Summer Internship at Gurudas College	External Evaluator	Gurudas College	Kolkata	National	13 th August 2024
3	1st Biotech & Pharma Committee Meeting	Committee Member	The Bengal Chamber	Kolkata	National	13th Dec 2023
4	Orientation session as ATL Mentor of Change	Mentor	Atal Innovation Mission, NITI Aayog	Kolkata	National	14th March 2022
5	Technology Transfer & Intellectual Property Symposium	Speaker	National Law University & IKP Prime	Shillong	National	15th & 16th Nov 2024
6	Invitation for Association as Advisor/Mentor	Advisor/Mentor	AIC-JK Lakshmiapat University	Jaipur	National	15th Sep 2022
7	Selected ACIC Incubator Workshop SUMVAAD 2.0	Selected ACIC Incubator	Atal Innovation Mission, NITI Aayog	New Delhi	National	15th-17th Feb 2024
8	BioNEST & EYUVA Conclave "E-YUVA: Pre Incubation Spurring Innovation"	Panellist	BIRAC	New Delhi	National	17th May 2024
9	Invitation from BKC College's IIC	External Expert	IIC, BKC College	Kolkata	National	18th Nov 2022
10	Departmental Seminar to Enlighten Precious Students	Speaker	Brainware University	Barasat	National	21st October 2022
11	Orientation Session for the newly admitted Students of SOET	Speaker	SOET, Adamas university	Barasat	National	22nd - 26th July 2024
12	International Conference on "Gender, Society & Sustainability"	Chairperson	Vedanta College	Kolkata	National	22nd June 2024
13	WOW Hackathon	Judge	IISER Kolkata	Mohanpur	National	24th April 2024
14	Invitation for being the Eminent Speaker & Evaluator for E-THOUGHT	Evaluator & Speaker	E-CELL, Bharat Technology	Howrah	National	25th Sep 2024
15	Bootcamp Training Session for all Atal Community Innovation Centre's Head	Participant	Atal Innovation Mission, NITI Aayog	Puducherry	National	27th-30th Sep 2022
16	Evaluation of Project Proposals received Under the NEC-Ignite 2nd Call	Evaluator/ Reviewer	IITG TIDF BIONEST	Guwahati	National	29th Aug 2024
17	Seminar & Poster Competition on " Prospects of Innovation & Entrepreneurship in Environment Conservation"	Keynote Speaker	Vedanta College	kolkata	National	29th Jan 2024
18	Panel Discussion on " NEP 2020: Perspective and Implementation"-4th Anniversary Celebration of NEP 2020	Panellist	Institution's Innovation Council, TINT Campus	Kolkata	National	29th July 2024
19	Sculpting the NEXT: Enabling a Future-Ready India, IKMC 2022	Speaker	IKP-PRIME	Hyderabad	National	29th-30th Oct 2022
20	Rejuvenating Culture of Innovation & Entrepreneurship in Edducation Institutions Easter Region	Participant	Confederation of Indian Industry	Kolkata	National	3rd Aug 2024
21	Atal Tinkering Lab Inauguration at Sonapetya High School	Chief Guest	Sonapetya High School	Tamluk	National	4th October 2024
22	7th Inter College Competition on " Prototype Design for Mankind"	External Evaluator	Heritage Institute of Technology	Kolkata	National	5th April 2024
23	TechBiz: The Technology Showcase	Member of KIN	RISE Foundation IISER & IKP Prime	Mohanpur	National	6th & 7th Sep 2024
24	Invitation to RKMVERI for a talk on Entrepreneurship	Speaker	RKMVERI	Howrah	National	6th Sep 2024
25	"Building State-level Innovation Ecosystems: A Peer-learning Workshop"	Representative from WB	Atal Innovation Mission, NITI Aayog	Bengaluru	National	6th-8th Nov 2023
26	IPR Session	Resource Person	Vedanta College	Kolkata	National	9th Aug 2024

Publication:

A. In Peer-Reviewed journal (SCOPUS)	: 21
B. Book (Edited)	: 01 (Elsevier)
C. Book Chapter	: 06

Publications:

1. Banerjee, S., Basu, A., Chatterjee, S., Saha, M. (2023). Potential Application of Bacteria in Degrading Xenobiotics for Sustainable Environmental Management. In: Singh, R., Singh, P., Tripathi, S., Chandra, K.K., Bhadouria, R. (eds) Xenobiotics in Urban Ecosystems. Springer, Cham. https://doi.org/10.1007/978-3-031-35775-6_15.
2. Arpita Das, Anirban Debnath, Kankana Banerjee, Sayantan Bhattacharjee, Anukriti Deb, Saptarshi Chatterjee*, Arijit Mondal. Nanoparticles in bone tissue engineering. In Nanotechnology in Biomedicine, Nanostructured Materials for Tissue Engineering, Elsevier, 2023, Pages 427-456, ISBN 9780323951340. <https://doi.org/10.1016/B978-0-323-95134-0.00012-2>.
3. Saptarshi Chatterjee* Remdesivir: Critical Clinical Appraisal for COVID 19 Treatment. Drug Res (Stuttg). 2021 Mar;71(3):138-148. doi: 10.1055/a-1288-4078. Epub 2020 Oct 29. PMID: 33124007; PMCID: PMC8043717. [IF: 1.76]
4. Saptarshi Chatterjee* Remdesivir: Not yet beyond question. Archives of Medical Research (2020) <https://doi.org/10.1016/j.arcmed.2020.09.004> (Accepted) [IF: 3.3]
5. Dhruvajyoti Chatterjee, Sayandip Jana, Udisha Sarkar, Saptarshi Chatterjee. 'Raising the bar' under question, even if the 'graph flattens' as front line health workers succumb to COVID-19. Current Medical Research and Practice (2020) 10:5, 253-254.
6. Saptarshi Chatterjee* Choosing Physical Distancing over Social Distancing in the Era of Technology: Minimizing Risk for Older People. Journal of Gerontological Social Work (2020): Accepted: In press [IF: 1.3]
7. Karmakar S, Chatterjee S, Purkait K, Mukherjee A. A trans-dichloridoplatinum (II) complex of a monodentate nitrogen mustard: Synthesis, stability and cytotoxicity studies. Journal of Inorganic Biochemistry (2020) 204, 110982. [IF: 3.2]
8. Saptarshi Chatterjee*, Payal varsani, Shreya Savaliya, Mousumi Das. Role of Diet and Lifestyle on Individual health: A Global Public Health Concern. Indian J of Public Health Res & Dev. 10 (8) 2018
9. Mousumi Das, Hima Raytatha, Saptarshi Chatterjee* Bacterial Transformation: What? Why? How? And When? Annual Research and Review in Biology. (2017) 16(6) 1-11.
10. Subhendu Karmakar, Saptarshi Chatterjee, Kallol Purkait, Arindam Mukherjee. Anticancer activity of a chelating nitrogen mustard bearing tetrachloridoplatinum(IV) complex: better stability yet equipotent to the Pt(II) analogue. Dalton Trans (Accrpted) [IF: 4.17]
11. Kallol Purkait*, Saptarshi Chatterjee*, Subhendu Karmakar, Arindam Mukherjee. Alteration of steric hindrance modulates glutathione resistance and cytotoxicity of three structurally related Ru(II)*p*-cymene complexes. Dalton Trans (2016) 44: 5969-5973 [*equal contribution] [IF: 4.17]
12. Subhendu Karmakar, Kallol Purkait, Saptarshi Chatterjee, Arindam Mukherjee. Anticancer activity of a *cis*-dichloridoplatinum(II) complex of a chelating nitrogen mustard: insight into unusual guanine binding mode and low deactivation by glutathione. Dalton Trans (2016) 45: 3599-3615. [IF: 4.17]
13. Kallol Purkait, Subhendu Karmakar, Sudipta Bhattacharya, Saptarshi Chatterjee, Suman kr Dey, Arindam Mukherjee. A hypoxia efficient imidazole-based Ru(II) arene anticancer agent resistant to deactivation by glutathione. Dalton Trans (2015) 44:5969-5973. [IF: 4.17]
14. Arghya Bandyopadhyay, Saptarshi Chatterjee, Keka Sarkar. Rapid isolation of genomic DNA from *E. coli* XL1 Blue strain approaching bare magnetic nanoparticles. Current Science (2011) 101 (2): 210- 214. [IF: 0.9]

15. Saptarshi Chatterjee, Arghya Bandyopadhyay & Keka Sarkar. Effect of iron oxide and gold nanoparticles on bacterial growth leading towards biological application. *Journal of Nanobiotechnology* (2011) 9:34 [Highly Accessed Paper] [IF: 4.94]
16. Semanti Basu*, Saptarshi Chatterjee*, Arghya Bandyopadhyay, Keka Sarkar. Potential application of superparamagnetic nanoparticles for extraction of bacterial genomic DNA from contaminated food and environmental samples. *Journal of Science of Food and Agriculture* (2013) 93: 788–793. [*equal contribution] [IF: 2.46]
17. Saptarshi Chatterjee, Syed Azhar Ahmed, Field Level Study on Identification, Diagnosis and Management of Infectious Cycle of Anthrax Trendz in Biotech, October-(2008)
18. Sk. Manirul Islam, Anupam Singha Roy, Sasanka Dalapati, Rajat Saha, Paramita Mondal, Kajari Ghosh, Saptarshi Chatterjee, Keka Sarkar, Nikhil Guchhait. ParthoSynthesis, Crystal Structure and Spectroscopic Studies of a Cobalt(III) Schiff base Complex and Its Use as a Heterogeneous Catalyst for the Oxidation Reaction under Mild Condition. *Journal of Molecular Catalysis A: Chemical* (2013) 380: 94-103. [IF: 3.95]
19. Saptarshi Chatterjee, Keka Sarkar. A Computational and Mathematical Approach towards the Design and Synthesis of Uniform Au seed decorated Fe₃O₄ Nanoparticle for Potential Bio-application *Procedia Technology* (2013) 457-463
20. Tanima Paul, Saptarshi Chatterjee, Arghya Bandyopadhyay, Dwiptirtha Chattopadhyay, Semanti Basu, Keka Sarkar. A simple one pot purification of bacterial amylase from fermented broth based on affinity towards starch functionalized magnetic nanoparticles. *Preparative Biochemistry and Biotechnology* (2014) 45: 501-514. [IF: 1.1]
21. Debajyoti Ray, Saptarshi Chatterjee, Keka Sarkar and Swati De. Silver Nanoparticles in Hydrogels and Microemulsions – A Comparative Account of their Properties and Bio-activity. *Materials Research Express* (2014) 1:035022. [IF: 0.96]

Edited Book:

COVID-19: Tackling Global Pandemics through Scientific and Social Tools, Editor: S. Chatterjee, 1st Edition - November 9, 2021, Elsevier, Academic Press, ISBN: 9780323858441

Declaration:

I hereby declare that the above given information are true to the best of my knowledge

Place: Kolkata

Date:

DR. SAPTARSHI CHATTERJEE