

Joyjyoti Das, Ph.D.

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Google scholar ID: MqmGxe4AAAAJ; Scopus Author ID: 57206168376

Total teaching experience: 5 yrs

Total research experience: 11 yrs

h-index: 13; i-10 index: 14



CAREER GOAL: To impart knowledge and carry out translational research in the field of Biotechnology.

PRESENT APPOINTMENT: Assistant Professor (Grade II) at the Dept. of Biotechnology, School of Life Science and Biotechnology, Adamas University, Kolkata (1st August, 2024- till date)

PAST APPOINTMENTS:

- Assistant Professor (Grade I) at the Dept. of Biotechnology, School of Life Science and Biotechnology, Adamas University, Kolkata (13th August, 2021- 31st July, 2024)
- Full Time Contractual Faculty for the M.Sc. course in Nanoscience & Nanotechnology at the University of Kalyani (13th August, 2019- 12th August, 2021)

RESEARCH DOMAINS: Cancer mechanobiology, Autophagy, Nanoparticle based drug delivery systems, Microfluidic & Tissue engineering approaches for disease screening and drug testing model development, Low-cost sensors, Smart food packaging systems

DOCTORAL RESEARCH: My research dealt with how cancer cells adapt to mechanical forces in a tumor microenvironment and in circulation, through the intervention of mechano-adaptive autophagic response. It highlighted the importance of mechanical stress-induced autophagy in cancer metastasis and identified lipid rafts as potential therapeutic targets of metastatic cancer.

FUTURE RESEARCH INTERESTS

- Development of low-cost point-of-care microfluidic devices for adulterant sensing
- Exploration of mechanosensitive elements in cancer cells responsible for cancer biogenesis and progression
- Development of microfluidic organ-on-chip models for drug screening applications
- Natural and biopolymeric product development

ACADEMIC RECORD

| Exam/Course | Year of passing/ Duration | Institute/University | Score/Status |
|---------------------------|------------------------------|---|--|
| Ph.D. (Biotechnology) | 2012-2019 | Indian Institute of Technology Kharagpur | Degree awarded on 27 th August, 2019 |
| M.Tech (Biotechnology) | 2012 | Heritage Institute of Technology(under West Bengal University of Technology) | DGPA: 9.51/10 (University Bronze) |
| B.Tech (Biotechnology) | 2010 | Bengal Institute of Technology (under West Bengal University of Technology) | DGPA: 8.38/10 |
| ISC (Science) | 2006 | M.P. Birla Foundation Higher Secondary school, Kolkata | 85.5 % (Best 4) |
| ICSE | 2004 | M.P. Birla Foundation Higher Secondary school, Kolkata | 86 % (Best 5) |

National qualification: GATE 2010 (BT), GATE 2012 (BT)

Ph.D. coursework subjects taken

- English for technical writing
- Society Science Technology
- Recombinant DNA Technology
- Microfluidics
- Introduction to Nanotechnology & Nano-structured materials.

MAJOR TECHNICAL SKILLS: Advanced communicative skills, microbial & animal cell culture, microfluidic chip fabrication and cell culture, wax printed paper-based sensor fabrication, DNA transfection and stable cell line development, Confocal and Fluorescence microscopy, Western blotting, Flow cytometry, reverse transcriptase PCR, autophagy detection techniques, nanoparticle biosynthesis and characterization techniques, MS Office, Image J.

TRAINING & PROJECTS

- **Mechanical stress-induced autophagy in cancer metastasis** (Ph.D. project, Dec 2012-April 2019)

In: Biochemistry & Downstream Processing Laboratory, Dept. of Biotechnology, IIT Kharagpur

Under: Prof. Tapas Kumar Maiti & Prof. Suman Chakraborty

Description: Study of cellular autophagic response under mechanical stresses and its role in migration and survival of cancer cells.

- **Biosynthesis of Silver nanoparticles using the yeast *Kluyveromyces marxianus* MTCC 4059, their characterization and study of antibacterial activity**(M.Tech Project, July 2011- May 2012)

In: Dept. of Biotechnology, Heritage Institute of Technology, Kolkata

Under: Dr. Nandan Kumar Jana

Description: Eco-friendly synthesis of silver nanoparticles from a novel source, their characterization and investigation of their antibacterial property.

- **Estimation of diversity in rice germplasm through SDS-PAGE** (Dec 2009- Jan 2010, Winter project)

In: Dept.of Biotechnology, Bengal Institute of Technology, Kolkata

Under: Dr. Basumita Roychowdhury

Description: Protein-level analysis of polymorphism in rice (*Oryza sativa*) varieties by Polyacrylamide gel electrophoresis.

- **Molecular characterization and identification of arsenic tolerant genotypes in rice** (B.Tech Final year project, Jul-Dec 2009)

In: Dept.of Genetics & Plant Breeding, Institute of Agricultural Science, University of Calcutta

Under: Prof. Tapash Dasgupta

Description: Analysis of rice germplasm at DNA level by RAPD (Randomly Amplified Polymorphic DNA)

- **Leather digestion by Papain** (College Tech Fest Project, “Bits-2-Bytes”,Sep.2008)

In: Dept. of Biotechnology, Bengal Institute of Technology, Kolkata

Under: Dr. Saurav Sarkar

Description: Enzyme ‘Papain’ isolated from papaya latex to digest leather scrapings which could be implemented on a large scale to reduce pollution.

- **Molecular diagnosis of Tuberculosis** (B.Tech 3rd year summer training, July 2008- Aug 2008)

In: Dept. of Biochemistry, I.P.G.M.E & R

Under: Prof. Basudev Bhattacharya

Description: Detection of Tuberculosis using the widely popular Polymerase Chain Reaction.

JOURNAL PUBLICATIONS

International

- Bandana Padhan, Rajkumar Patel, Priyanka Bhowmik, Ananya Roy, Joyjyoti Das*, YongYu, Madhumita Patel*, **2024**. Recent Advancements in Nanocomposites-Based Antibiofilm Food Packaging. **Journal of Polymer Materials** (In Press)
- Brati Chakraborty, Gayatri Patel, Bandana Padhan, Joyjyoti Das*, Madhumita Patel*, **2024**. Evolution of lipid nanoparticles as charioteers of Alzheimer's disease therapeutics. **Applied Materials Today**.
- Joyjyoti Das*, Tapas K. Maiti, **2022**. Fluid shear stress influences invasiveness of HeLa cells through the induction of autophagy. **Clinical & experimental Metastasis**.

- Amrita Chaudhuri, Yarra Venkatesh, Joyjyoti Das, Moumita Gangopadhyay, Tapas K. Maiti, N. D. Pradeep Singh, **2019**. Light Activated Persulfide (RSSH) Donors for Biological Targeting. **The Journal of Organic Chemistry**.
- Joyjyoti Das, Suman Chakraborty, Tapas K. Maiti, **2019**. Mechanical stress- induced autophagic response: a cancer-enabling characteristic? **Seminars in Cancer Biology**.
- Joyjyoti Das, Tarun Agarwal, Suman Chakraborty, Tapas K. Maiti, **2019**. Compressive stress-induced autophagy promotes invasiveness in HeLa cells by facilitating protein turnover in vitro. **Experimental Cell Research**.
- Sathi Mallick, Joyjyoti Das, Jyoti Verma, Samatha Mathew, Tapas K Maiti, Anindya S. Ghosh, **2019**. Role of *Escherichia coli* endopeptidases and DD-carboxypeptidases in infection and regulation of innate immune response. **Microbes and Infection**
- Amrita Chaudhuri, Yarra Venkatesh, Joyjyoti Das, Krishna Kalyani Behara, Smita Mandal, Tapas K. Maiti, N. D. Pradeep Singh, **2018**. Squaric acid-Coumarin-Chlorambucil: Photoresponsive single component fluorescent organic nanoconjugates for combination therapy with self-monitoring ability. **ACS Applied Nano Materials**.
- Tarun Agarwal, Aruja Rustagi, Joyjyoti Das, Tapas K. Maiti, **2018**. PAMAM dendrimer grafted cellulose paper scaffolds as a novel in vitro 3D liver model for drug screening applications. **Colloids and Surfaces B: Biointerfaces**.
- Joyjyoti Das, Somnath Maji, Tarun Agarwal, Suman Chakraborty, Tapas K. Maiti, **2018**. Hemodynamic shear stress induces protective autophagy in HeLa cells through lipid raft-mediated mechanotransduction. **Clinical and Experimental Metastasis**.
- Yarra Venkatesh, Joyjyoti Das, Tapas K. Maiti, N. D. Pradeep Singh, **2018**. Light Triggered Uncaging of Hydrogen Sulfide (H₂S) with Real-Time Monitoring. **Chemical Communications**.
- Somnath Maji, Tarun Agarwal, Joyjyoti Das, Tapas K. Maiti, **2018**. Development of gelatin/carboxymethyl chitosan/nano-hydroxyapatite composite 3D macroporous scaffold for bone tissue engineering applications. **Carbohydrate polymers**.
- Sandipan Biswas, Joyjyoti Das, Shrabani Barman, Bhaskara Rao Pinninti, Tapas K. Maiti, N. D. Pradeep Singh, **2017**. An Environment Activatable Nanoprodrug: Two-Step Surveillance in the Anticancer Drug Release. **ACS Applied Materials and Interfaces**.
- Shrabani Barman, Joyjyoti Das, Sandipan Biswas, Tapas K. Maiti, N.D. Pradeep Singh, **2017**. Spiropyran-Coumarin Platform: An Environment Sensitive Photoresponsive Drug Delivery System for efficient cancer therapy. **Journal of Materials Chemistry B**.
- Sandipan Biswas, Joyjyoti Das, Shrabani Barman, Sk. Sherif Shah, Moumita Gangopadhyay, Tapas K. Maiti, N. D. Pradeep Singh, **2017**. Single Component Image Guided 'On-demand' Drug Delivery System for Early Stage Prostate Cancer. **Sensors & Actuators B: Chemical**.
- Prashanta Kumar Panda, Birendra Behera, Biswa Ranjan Meher, Durgesh Nandini Das, Subhadip Mukhopadhyay, Niharika Sinha, Prajna Paramita Naik, Bibhas Roy, Joyjyoti Das, Subhankar Paul, Tapas K. Maiti, Rajesh Agarwal, Sujit K. Bhutia, **2016**. *Abrus* Agglutinin, A Type II Ribosome Inactivating Protein Inhibits Akt/PH Domain to Induce Endoplasmic Reticulum Stress Mediated Autophagy-Dependent Cell Death. **Molecular Carcinogenesis**.
- Birendra Behera, Devdeep Mukherjee, Tarun Agarwal, Joyjyoti Das, Sudip K. Ghosh, Tapas K. Maiti, **2015**. Cell penetrating peptides from agglutinin protein of *Abrus precatorius* facilitate the uptake of Imatinib mesylate. **Colloids and Surfaces B: Biointerfaces**.
- K Sanjana P. Devi, Dhanesh Krishna, Joyjyoti Das, Tarun Agarwal, Kalpana Kumari, Somnath Maji, Sudip K. Ghosh, Tapas K. Maiti, **2015**. Molecular Mechanisms Associated with Particulate and Soluble Heteroglycan Mediated Immune Response. **Journal of Cellular Biochemistry**.
- Joyjyoti Das, K. Sanjana P. Devi, Kalpana Kumari, Prashant Singh, Birendra Behera, T. K. Maiti, **2015**. AMPK-mediated crosstalk of heteroglycan-induced reactive species and autophagic cascade in RAW 264.7 cells. **RSC Advances**.
- Birendra Behera, Debasish Mishra, Bibhas Roy, K. Sanjana P. Devi, Rajan Narayan, Joyjyoti Das, Sudip K. Ghosh, Tapas K. Maiti, **2014**. *Abrus precatorius* agglutinin-derived peptides induce ROS-dependent mitochondrial apoptosis through JNK and Akt/P38/P53 pathways in HeLa cells. **Chemico-Biological Interactions**.

- Bibhas Roy, Arup K. Pattanaik, Joyjyoti Das, Sujit K. Bhutia, Birendra Behera, Prashant Singh, Tapas K., Maiti, **2014**. Role of PI3K/Akt/mTOR and MEK/ERK pathway in Concanavalin A induced autophagy in HeLa cells. **Chemico-Biological Interactions**.
- Sharbadeb Kundu, Joyjyoti Das, Nandan Kumar Jana, Tapan Kumar Ghosh, **2012**. Growth Parameter Optimization of *Kluyveromyces marxianus* MTCC 4059. **International Journal of Biotechnology Research**, 5 (2): 65-69.

CONFERENCE PUBLICATIONS

International

- Sharmistha Das, Joyjyoti Das. A wax-printed microfluidic sensor for detection of starch. (Poster awarded 3rd prize) **BIONEXT**, Adamas University, October **2023**.
- Nikita Singh, Sayani Bhattacharjee, Debasmita Paul, Joyjyoti Das. A review on paper-based sensors for cancer screening. (Poster) **BIONEXT**, Adamas University, September **2022**.
- Devdeep Mukherjee, Joyjyoti Das, Prantar Chakrabarti, Tapas K Maiti, October **2017**. Bone marrow mesenchymal stem cells tune autophagic circuitry of chronic myeloid leukemia cells in response to imatinib treatment. Abstract published in Proceedings of the 2017 **AACR-NCI-EORTC International Conference on Molecular Targets and Cancer Therapeutics**; 2017 Oct 26-30; Philadelphia, Pennsylvania. Philadelphia (PA): AACR. doi: 10.1158/1535-7163.TARG-17-A021.
- Joyjyoti Das, Tarun Agarwal, Tapas Maiti, **2017**. A goat liver extracellular matrix-based tumor-mimicking environment for mechanobiological study of cervical cancer progression. Poster presented in **TERMIS (Tissue Engineering and Regenerative Medicine International Society) European Chapter meeting 2017** held at Davos, Switzerland on 26th – 30th June, 2017. Abstract published in European Cells and Materials Vol. 33 Suppl. 2, 2017 (P459); ISSN 1473-2262.(IF: 4.000)
- Joyjyoti Das, Somnath Maji, Tarun Agarwal, Suman Chakraborty, Tapas K. Maiti, **2016**. Decoding the role of Lipid Rafts in Mechanotransduction of Protective Autophagy for Identifying Therapeutic Targets of Metastasis. Published in Proceedings of the **VI CNIC Conference “Mechanical forces in physiology and disease”** held at Auditorium, Centro Nacional de Investigaciones Cardiovasculares (CNIC) in Madrid, Spain on 4th-5th of November, 2016.
- Joyjyoti Das, A. K. Praveenkumar, Bibhas Roy, Suman Chakraborty, Tapas K. Maiti, **2014**. Adaptive response of HeLa cells under shear stresses in microconfinement through the autophagic pathway. Published in Proceedings of the 18th International Conference on **Miniaturized Systems for Chemistry and Life Sciences (MicroTAS2014)**; doi: 978-0-9798064-7-6/μTAS 2014/\$20©14CBMS-0001.

National

- ‘Teacher’s talk’ titled “Fluid shear stress promotes invasiveness of HeLa cells by inducing autophagy in vitro” delivered at National Symposium titled “Stress Biology: Recent Advances in Biochemical and Biophysical Research” held at **University of Kalyani** (March 22-24, 2023)
- Joyjyoti Das, Suman Chakraborty, Tapas K. Maiti, **2015**. Implications of compressive stress-induced autophagy on cell migration. Poster presented **IABS 2015: An Interdisciplinary approach to Biological Sciences**.
- Joyjyoti Das, Kalpana Kumari, K. Sanjana P. Devi, Tapas K. Maiti, **2014**. Mycelia-derived heteroglycan induces stresses that regulate autophagy and immune functioning in murine macrophages. Poster presented in the 41st Annual Conference of **Indian Immunology Society**.
- Joyjyoti Das, Sharbadeb Kundu, Nandan Kumar Jana, **2013**. Biosynthesis of Silver nanoparticles using the yeast *Kluyveromyces marxianus* MTCC 4059, their characterization and study of antibacterial activity. Poster presented in the centenary session of **Indian Science Congress 2013**; abstract published in **New Biology section**.
- Sharbadeb Kundu, Joyjyoti Das, Nandan Kumar Jana, **2013**. Growth Parameter Optimization of *Kluyveromyces marxianus* MTCC 4059 by Response Surface Methodology. Poster presented in the centenary session of **Indian Science Congress 2013**; abstract published in **New Biology section**.

OTHER CONFERENCES ATTENDED

- Participated as attendee in **International Conference on Nano Science and Technology (ICONSAT 2020)**, held at Biswa Bangla Convention Centre, Kolkata from March 5-7, 2020.

BOOK CHAPTER

- Anirudha Dutta*, Joyjyoti Das, Priyanka Bhowmik, Madhumita Patel, Bandana Padhan*. *Recent Advancements in Plant Growth Promoting Rhizobacteria (PGPR) Induced Seed Germination and Seedling Growth and its Implementation in Soil-Less Leguminous Microgreen Farming. In: Springer Book titled “Recent Trends and Applications of Leguminous Microgreens as Functional Foods” (In press)
- Bandana Padhan, Hindol Ray, Anirudha Dutta, Somnath Maji, Joyjyoti Das*. Nanotechnology Innovations in Soilless Microgreen Farming for Sustainable Agriculture. In: Springer Book titled “Recent Trends and Applications of Leguminous Microgreens as Functional Foods” (In press)
- Joyjyoti Das, Tapas K. Maiti (2020) Mechanical Stress-Induced Autophagy: A Key Player in Cancer Metastasis. In: Bhutia S.K. (eds) Autophagy in tumor and tumor microenvironment. Springer, Singapore. https://doi.org/10.1007/978-981-15-6930-2_8

INVITED TALKS DELIVERED

- Delivered an invited talk titled “Tumor mechanobiology: A novel approach towards identification of cancer targets” in a Symposium “Advances in Biotechnology” organized by the Department of Biotechnology, **Heritage Institute of Technology Kolkata** on May 25, 2022.
- Delivered an invited talk titled “Mechanical stress-induced autophagy: A possible therapeutic target for metastatic cancer” in a One-Day International Seminar “Targeted oncology in therapeutics and diagnostics” organised by **Suraksha Diagnostics** on April 23, 2022.

SEMINARS/ WEBINARS/ WORKSHOPS ATTENDED

- **3 Days International Virtual Workshop on “COVID 19: RT PCR Diagnostics & Therapeutics”** hosted by the University of Kalyani in association with CoM-JNM Hospital on August 5th- 7th, 2020.
- **Hands-on Training cum Workshop on Flow Cytometry, Automated DNA Sequencing and Real Time PCR** held on March 19-20, 2018 at Central Research Facility, Indian Institute of Technology Kharagpur.
- **Orientation and Training Workshop on Ethics in Clinical Research- Good Clinical Practice** organized by Institutional Ethical Committee Sponsored Research and Industrial Consultancy, Indian Institute of Technology Kharagpur in collaboration with Academy for Applied Research and Training in India, Kolkata, June 11, 2015
- **National Seminar on Biotechnology for Sustainable Development (BSD-2012)** organized by Department of Biotechnology, Heritage Institute of Technology, Kolkata.
- **Biotechnology Seminar of “Bits 2 bytes 2008”** organized by Bengal Institute of Technology, Kolkata.

FDPs ATTENDED

- Completed “NEP 2020 Orientation and Sensitization Programme” under Malaviya Mission Teacher Training Programme of UGC organized by ISM Dhanbad from 17/01/24 to 31/01/24.
- International Faculty Development Program on “Recent Advances in Nutraceuticals” organized by the Department of Pharmacy, School of Medical and Allied Sciences, Galgotias University from September 18-22, 2023.
- Faculty Development Programme on “Revised NAAC Framework” organized by Adamas University, Kolkata from June 26-30, 2023.
- One week Faculty Development Programme on “Teaching and Research Practices” (Hybrid Mode) organized by Department of Biotechnology & Bioinformatics at Jaypee University of Information Technology, Wazirpur, H.P. from June 05-10, 2023.

REVIEWER FOR JOURNALS

- Techniques in Coloproctology (Springer)
- Discover Oncology (Springer)
- Scientific reports (NPG)
- Journal of International Medical Research (SAGE journals)
- Journal of Applied Pharmaceutical Sciences (Open Science Publishers)
- International Journal of Biomaterials (Hindawi)
- World Journal of Surgical Oncology (Biomed Central)
- Toxicology Mechanisms and Methods (Taylor & Francis)
- BMC Cancer (Biomed Central)

AWARDS & HONOURS

- Third place winner in Falling Walls Lab Kolkata held at Adamas University (18th August 2022).
- Outgoing boarder “Special Mention: Social & Cultural” from Jagadish Chandra Bose Hall of Residence, IIT Kharagpur (2019).
- IIT Kharagpur Institute Travel Grant for attending International conference (TERMIS EU 2017) in Davos, Switzerland (2017).
- Enhanced Institute Research Assistantship (SRF) from Indian Institute of Technology Kharagpur (2015).
- CBMS Presenting author Travel Grant for attending MicroTAS (2014).
- Institute Research Assistantship (JRF) from Indian Institute of Technology Kharagpur (2012).
- University Bronze medal in M.Tech (2012).
- GATE Scholarship for M.Tech from Ministry of Human Resource Development, Govt. of India (2010-2012).
- Member of 1st prize winning team in Cognizant PANORAMA 2009- Stall Design. Theme: Gene Sequencing (2009).

MEMBERSHIP OF PROFESSIONAL BODIES HELD

- Life member of The Biotech Research Society, India (BRSI)
- Annual member of Microbiologists Society, India (2023)
- Annual member of Indian Science Congress Association (2013)

RESEARCH GRANTS

- Adamas University Seed Fund for the project titled “Development of antioxidant rich starch based pH responsive intelligent food packaging film” (as **Co-PI**; AU/SEED/2023-24/AUG/12; date of issue: 10.11.2023) [**ACTIVE**]
- Adamas University Seed Fund for the project titled “Development of a low-cost portable wax printed paper-based microfluidic sensor for detection of milk adulterants” (as **PI**; amount sanctioned: INR 1.5 Lakhs; project duration: 18 months; date of issue: 03.03.2023) [**ACTIVE**]

TEACHING EXPERIENCE

- Assistant Professor at the Department of Biotechnology, School of Life Science & Biotechnology (August 13th 2021- present)
- Full-time contractual faculty for the M.Sc. Course in Nanoscience & Nanotechnology at the School of Interdisciplinary Studies, University of Kalyani (13th August, 2019- 12th August, 2021).
- Associated trainer in the workshop of “Basics of Confocal Microscopy and its Application” held at the University of Kalyani (28th-31st August, 2019)
- Teaching assistant for NPTEL Online Course “Introduction to Biomicrofluidics” (Autumn, 2018)
- Teaching assistant for Introduction to flow cytometry practical for Immunotechnology Laboratory- UG & PG courses at IIT KGP (2016-2018)
- Technical assistance in UG, PG projects & Summer Internships at IIT KGP (2013-2018)
- Teaching assistant for Biochemistry Practical (UG course at IIT KGP) (2014-2017)

THEORY COURSES TAUGHT/TEACHING

- Biology for Nanoscience (PG)

- Synthesis of Nanomaterials (PG)
- Cell Biology and Immunology (PG)
- Nanotechnology in Medical Science (PG)
- Open Choice (Nanoscience & Nanotechnology) (PG)
- Food and agricultural nanotechnology (PG)
- Microbiology (UG)
- Medical microbiology (UG)
- Cell and developmental biology (PG)
- Cancer Biology (PG)
- Basic Clinical Science (UG)
- Forensic osteology, odontology, and anthropology (UG)
- Animal Biotechnology (UG)
- Advances in Animal Biotechnology (PG)
- Biochemistry and Bioenergetics (UG)
- Cell Biology (NEP Hybrid course, UG)
- Applied Microbiology (PG)

PRACTICAL COURSES TAUGHT/TEACHING

- Food and environmental biotechnology lab (UG)
- Medical microbiology lab (UG)
- Cell biology lab (UG)
- Cell and developmental biology lab (PG)
- Animal Biotechnology Lab (PG)
- Applied microbiology Lab (PG)

DISSERTATIONS SUPERVISED

B.Sc.: 08; B.Tech: 10; M.Sc.: 06

PROFESSIONAL RESPONSIBILITIES HANDLED

- Average lecture hours handled per semester: 20 per week
- Mentorship 24 X 7: Currently mentoring 54 B.Sc. Biotechnology students (NEP Batch)
- NAAC Criteria 1 coordinator (Dept. of Biotechnology, Adamas University)
- Timetable coordinator (Dept. of Biotechnology, Adamas University)
- BoS Member Secretary (Dept. of Biotechnology, Adamas University)
- AICTE Coordinator (B.Tech Biotechnology Programme, Adamas University)
- Course coordinator (B.Tech Biotechnology Programme, Adamas University)
- QAA Coordinator for the School of Life Science & Biotechnology (2022)
- Member of Faculty Council for the School of Smart Agriculture, Adamas University
- Coordinator of Digital outreach committee (Dept. of Biotechnology, Adamas University)
- SPOC event documents (Dept. of Biotechnology, Adamas University)
- Chaired one Session at International Conference “BIONEXT 2022” (Adamas University)
- Judged a Poster Session at International Conference “BIONEXT 2024” (Adamas University)
- Served as External examiner for Recombinant DNA Technology Lab at HIT Kolkata
- Served as a reviewer for several SCI-indexed international journals

EXTRACURRICULARS

- General Secretary Library at Acharya Jagadish Chandra Bose Hall of Residence, IIT Kharagpur (2015-16)
- Maintenance Under-Secretary at Acharya Jagadish Chandra Bose Hall of Residence, IIT Kharagpur (2014-15)
- Editor of departmental science journal (wall magazine) at HIT, Kolkata (2012)
- Member of College Tech Fest Organizing Committee at BIT, Kolkata (Aug 2008)
- Played for departmental football team at BIT Kolkata and IIT Kharagpur.

- Represented house in recitation and in play competition as narrator, at school.
- Participated and won several awards in sit-&-draw competitions.

PERSONAL INFORMATION

Father's Name: Late Ashok Kumar Das
Mother's Name: Late Rina Das
Sex: Male
Nationality: Indian
Marital status: Married to Sucharita Das, Ph.D.
Child: One (Female)
Languages known: English, Bengali, Hindi

REFERENCES

- 1) Dr. Tapas Kumar Maiti, Professor, Department of Biotechnology, Indian Institute of Technology Kharagpur, Kharagpur, Paschim Medinipur, West Bengal- 721302
Email id: maititapask@gmail.com
- 2) Dr. Suman Chakraborty, Professor, Department of Mechanical Engineering, Indian Institute of Technology Kharagpur, Kharagpur, Paschim Medinipur, West Bengal- 721302
Email id: sumanchakraborty@iitkgp@gmail.com
- 3) Dr. Nandan Kumar Jana, Assistant Professor, Department of Biotechnology, Heritage Institute of Technology, Kolkata, west Bengal-700107
Email id: nandanjana@gmail.com
- 4) Dr. Rudra Prasad Saha, Dean, School of Life Science & Biotechnology, Adamas University, Kolkata, west Bengal-700107
Email id: dean.solsb@adamasuniversity.ac.in

DECLARATION

I hereby declare that the above written particulars are true to the best of my knowledge and belief.



JOYJYOTI DAS

Place: Kolkata

Date: 19/12/2024