

Prof. Biman B. Mandal

Work Address:

Professor and Associate Dean, Academics (UG)
SwarnaJayanti Fellow and National Bioscience Awardee

Primary Faculty: Department of Biosciences and Bioengineering

Associated Faculty: Centre for Nanotechnology

Associated Faculty: School of Health Sciences and Technology

Indian Institute of Technology Guwahati (IITG)

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Educational Qualification:

1. Ph.D. (Biotechnology), Indian Institute of Technology Kharagpur, India (2005-2009).
2. M.Sc. (Biotechnology), Himachal Pradesh University, Shimla, India (2003-2005).
3. B.Sc. Presidency College, Calcutta University, Kolkata, India (2000-2003).

Professional Experience:

1. Associate Dean, Academics (UG), May 08, 2020 onwards.
2. Professor, Department of Biosciences & Bioengineering, IITG (September 1, 2019 onwards)
3. Associate Professor, Department of Biosciences & Bioengineering, IITG (April 04, 2015 – August 31, 2019)
4. Assistant Professor, Department of Biotechnology, IIT Guwahati (May 31, 2011- April 03, 2015)
5. Post Doctoral Research Associate, Department of Biomedical Engineering, Tufts University, USA (2009-2011)

Research Interests:

- Biomaterials; Tissue Engineering; 3D Bioprinting of Human Tissue and Organs; Human Stem Cells Based Regeneration; Targeted Drug Delivery Systems; 3D Disease Models for High Throughput Drug Screening.

Awards and Achievements:

- **SwarnaJayanti Fellowship** in Life Science 2020.
- **S. Ramachandran National Bioscience Award for Career Development 2021**
- **B.M. BIRLA SCIENCE PRIZE 2018** in Medicine.
- Listed as “**World Top 2% Scientist**” by Stanford University USA 2020
- **NASI-SCOPUS Young Scientist Award 2016** by National Academy of Sciences and SCOPUS.
- **INSA-Medal for Young Scientists 2015** by Indian National Science Academy, India.
- **NASI-Young Scientist Platinum Jubilee Award 2013** by The National Academy of Sciences India.
- **APA-Young Scientist Award** by Asian Polymer Association 2019.
- **DST-INSPIRE Faculty award 2013** by Department of Science and Technology, Govt. of India.
- **DAE- Young Scientist Award 2011**, Department of Atomic Energy (DAE).
- **Gandhian Young Technological Innovation Award (GYTI- 2014).**
- **SYIS Young Investigator Award 2011**, at TERMIS Asia Pacific International conference, Singapore.
- **MAHE Young Scientist Award 2012** by Society for Biomaterials and Artificial Organs, India.
- **Rapid Grants for Young Investigator (RGYI) Award 2012**, Department of Biotechnology.

- **DST-FAST TRACK Young Investigator Award 2013**, Department of Science and Technology.
- Qualified CSIR-UGC-JRF (Dec' 2004 and June' 2005) **All India National Eligibility Test (NET)** examination and was qualified for prestigious **SPM examination** (2005)
- **Qualified Graduate Aptitude Test in Engineering (GATE- 2004)** with All India Rank of 282.
- Qualified **All India Entrance for Masters in Biotechnology** conducted by **JNU**, 2003.

Manuscripts published in peer reviewed International Journals: Total publications = **150**
Total cumulative impact factor **1000+** with total citations = **6550+** and "h- index" of **45**.

Details of publications available @<https://scholar.google.co.in/citations?user=L7hpHlcAAAAJ&hl=en>

Technologies licensed to Industry/Product developed: **04** (03 technology licensed and 01 product)

Patents granted/applied/in process: **21** (04 US patents and 17 Indian patents)

Book Chapters: **09** chapters contributed

Member of Professional bodies/Scientific organizations: **11** (Life/BOG member of International & National Organizations)

Students guided/ongoing: **14** PhD, **04** Post Doc, **07** MTech, **12+** BTech, **20+** JRF's, **15+** Trainees

Reviewer for Journals: **65+** International Journals

Visiting Faculty:

- **University College London (UCL)**, London, UK 2015.
- **KTH, School of Biotechnology**, AlbaNova University Centre, Stockholm, Sweden 2014, 2016
- **Justus- Liebig University**, Gissen, Germany 2014
- **Nanyang Technological University (NTU)**, Singapore 2012.
- **Guwahati University**, Department of Bioengineering, India 2015.

Editorial Board Member:

- Biofabrication (IF 9.95, IOP publishing UK)
- Journal of the Indian Institute of Science (IISC Press and Springer)
- In vitro Models (Springer Nature)
- Biomedical Materials (IF 3.7, IOP publishing UK)
- Frontiers in Bioengineering and Biotechnology, Biomaterials (Associate Editor, IF 3.64)
- Frontiers in Materials (Associate Editor, IF 2.70)
- Frontiers in Molecular Biosciences (Associate Editor, IF 4.1)
- Journal of Biomaterials Applications (Associate Editor, IF 2.76, SAGE Journals)
- Applied Nanomedicine (ScienceIn publishing)
- Trends in Biomaterials and Artificial Organs (TIBAO)

Conference/Symposium/Workshop organized: **10** Organized

Invited/Plenary/Popular Lectures Delivered: **70+** talks delivered

Selected conference participations/posters/presentations: **95** (24 best Oral/Poster awards)

Date: July 31, 2021
Place: IIT Guwahati

(Prof. Biman B Mandal)