

Subject: Application for the post of IP Professional

Dear Hiring Manager,

I am writing to express my strong desire to be considered for the post of IP Professional at your esteemed organization.

I have done M.Sc.- M. Tech. in Biomedical Instrumentation Engineering, with a few years of experience in R & D work. I am adept in application development and enhancement and my research skills allow me to determine the technology trends in a different field; I have experience working in the patent field and my skills include patent drafting and prosecution (pre-grant);

I believe that my academic and professional credentials would make me a valuable addition to your Team, and I look forward to the opportunity of putting my experience to work on behalf of the firm.

I request you to please take a minute to go through my resume for your consideration. It would be a pleasure if I can hear back from you regarding the job application.

Thanking You,

Puja

Puja Biswas

B.Sc Physics (H) M.Sc-M.Tech in Biomedical Instrumentation Engineering

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Bangalore, Karnataka, India

Objective:

To secure Intellectual Property Professional position with a well-established law firm that allows me to use my skills and helps me to enhance them further thereby contributing towards the organizational goals.

Professional Summary:

- Profound knowledge of intellectual property matters, clear and thorough understanding of patent law, and broad knowledge of patent prosecution (pre-grant) and patent drafting.
- Conducting in-depth research, analyzing findings, and evaluating data as a Research fellow on a Biosensor project.
- Remarkable experience in Microimaging and Image Analysis.

Professional Appointments:

2022 (Jan-April) Khurana and Khurana, Advocates and IP Attorneys, Bangalore.

Internship: Patent Drafting and Prosecution (pre-grant prosecution). Responsibilities include: managing Patent portfolio of the organization, drafting, and prosecuting Patent, by identifying, protecting, and landscaping inventions of various R&D projects of clients, keeping abreast with the latest domain knowledge and technology in the diversified field; Good understanding of Indian patents, patenting process, and Filing systems.

2018-21 DSS Image Tech India Pvt. Ltd., Dept. of Biochemistry, IISc Bangalore.

Application Support: Responsibilities includes supporting research project by providing high quality image and corresponding Image analysis.

I have extensive experience in the field of micro imaging, image analysis, and image processing by using Confocal Laser Scanning Microscope FV 3000, LSM 880, Airy Scan, Live Cell Imaging.

Tools: FluoView, cellSens, ImageJ, Zen Software.

2017-18 Carl Zeiss Ind. Pvt. Ltd, MBGU JNCASR Bangalore and ICMR-RMRIMS, Patna

Application Support: Responsibilities includes supporting research project by providing high quality image and corresponding analysis. LSM 880- Airy Scan, Live Cell Imaging.

2016-17 NIT Rourkela, Dept. of Electrical Eng. and Dept. of Biotechnology & Medical Engineering

Research Fellow

Project Title: Design and Fabrication of PS-enzyme Immobilized biosensor.

Job Profile: Research Work: Producing porous silicon (PS) from silicon wafer by electrochemical etching and enzyme immobilization on PS surface. Characterization of PS and enzyme immobilized PS film with SEM and other techniques.

Fabrication and characterization of SiNW.

Conference preparation

Publication: Biswas, Puja, et al. "Biosensor for detection of dissolved chromium in potable water: A review." Biosensors and Bioelectronics (2017).

Tools: LaTeX, MatLab, Origin, Corel, Nanoscope, Gwyddion, COMSOL Multiphysics.

2010-14 **DBT-IPLS Program, Dept. of Biochemistry, Biotechnology, & Microbiology, University of Calcutta.**
Technical Officer/ Radiological Safety Officer
Application Support for R & D work, related paper work and demonstration.
I have extensive experience in the field of microimaging and image analysis, image processing by using Veeco di Inova.
Job Profile: Operation, maintenance and Image analysis of Atomic Force Microscope (AFM) and its different modes: EFM, MFM, F-D analysis, C-AFM, and liquid cell imaging. Demonstrating the basics of AFM, different modes, application and sample preparation (di Inova).
Maintaining the Radiological safety facility.
Preparing Annual report and Organizing Seminar/ Conference.

Training and Courses Attended related to IPR

- Training Programme on “Patent filing process in India, Patent specification, examples & Patent search, examples” by RGNIIPM, 2022.
- Training Programme on “Patent specification writing (Description & Claims)” by RGNIIPM, 2022.
- Certificate course in Intellectual Property Rights (IPR)- by Udemy
- Certificate course in Patentability Search- by Udemy
- Certificate course in Validity/ Invalidity Search- by Udemy
- Patent Specification Drafting- by Udemy

Training and Courses Attended

- Training programme on Radiological Safety Aspects in the Research Application of Ionizing Radiation at Bhaba Atomic Research Centre (BARC), Mumbai, India.
- Zeiss-IITR WORKSHOP’ on Confocal and Super Resolution Microscopy, Carl Zeiss, India.
- Different modes of Atomic Force Microscopy from Veeco India Nano Technology Laboratory, JNCASR, Bangalore, India.

Experience in Patent Related Work

Prosecution/Drafting Work Experience working with Prosecution (pre-grant prosecution) and Drafting Team and worked in wide range of domains including bioengineering, drug delivery, microfluidics, pharmaceuticals, electrical, electronics, IoT, mechanical, and renewable energy to name a few.

Education:

2014-16 **University of Calcutta, M. Tech in Biomedical Instrumentation Eng.**
Department of Applied Optics and Photonics.sss
Thesis Title: Studying Nanoscale Surface Distribution by a Fusion Imaging approach with Magnetic Force Microscopy
Copyright: Copyright filed – ‘Methodology for analyzing magnetic Images by a fusion imaging approach to study nanoscale surface distribution of magnetic force’- Diary Number 9692/2016-CO/SW dated 13.08.2016.
Thesis Supervisor: Prof. Anjan Kr. Dasgupta, University of Calcutta.
Academic Achievements: Ranked 4th in M.Tech.

- 2008-10** **University of Calcutta, M.Sc in Biomedical Instrumentation.**
Department of University Science and Instrumentation Centre.
Thesis Title: Study of Heart Rate Variability in women due to Gonadotrophic hormone or Gonadotrophin.
Thesis Supervisor: Prof. D. N. Tiberwala, Jadavpur University.
Academic Achievements: Ranked 2nd in M.Sc.
- 2005-08** **University of Calcutta, B.Sc in Physics Honours.**
Lady Brabourne College, Department of Physics, University of Calcutta.

❖ **Research Project**

Design and Fabrication of Porous Silicon based Biosensor for detection of dissolved Chromium, Odisha. (DST)- NIT, Rourkela.

❖ **Other Projects:**

- a. Studying Nanoscale Surface Distribution by a Fusion Imaging approach with Magnetic Force Microscopy. University of Calcutta.
- b. Unravelling Cancer transformation and progression through biological, electromechanical and computational techniques; SMST, IIT Kharagpur.
- c. DBT-Interdisciplinary Programme of Life Science for Advanced Research and Education, University of Calcutta.
- d. Study of Heart Rate Variability in women due to Gonadotrophic hormone or Gonadotrophin, Jadavpur University.

❖ **Copyright:** Copyright filed – ‘Methodology for analyzing magnetic Images by a fusion imaging approach to study nanoscale surface distribution of magnetic force’ - Diary Number 9692/2016-CO/SW dated 13.08.2016.

❖ **Publication:**

Biswas, Puja, et al. "Biosensor for detection of dissolved chromium in potable water: A review." *Biosensors and Bioelectronics* (2017).

• **Publications with acknowledgement:**

- Nath, S. and Nagaraju, G., 2020. FANCI helicase promotes DNA end resection by facilitating CtIP recruitment to DNA double-strand breaks. *PLoS genetics*, 16(4), p.e1008701. (IISc,2020, for Confocal Microscopy)
- Sarkar, S., Alam, M.A., Shaw, J. and Dasgupta, A.K., 2013. Drug delivery using platelet cancer cell interaction. *Pharmaceutical research*, 30(11), pp.2785-2794. (University of Calcutta, 2013, for Atomic Force Microscopy)
- Bhattacharya, A., Chakraborty, M., Raja, S.O., Ghosh, A., Dasgupta, M. and Dasgupta, A.K., 2014. Static magnetic field (SMF) sensing of the P 723/P 689 photosynthetic complex. *Photochemical & Photobiological Sciences*, 13(12), pp.1719-1729. (University of Calcutta, 2014, for Atomic Force Microscopy)