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| Nashrin  [Nashrin.309173@2freemail.com](mailto:Nashrin.309173@2freemail.com) |
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**Career Objective   
To succeed in an environment of growth and excellence and earn a job which provides me job satisfaction, self development and help me to achieve personal as well as organizational goals.**

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| **Academic Information** | | |
| 2010-2016 | **Indian Institute of Engineering Science and Technology. India**  More than six years research experience; submitted PhD in Biomaterials.  Title of PhD thesis is ‘’Design and development of Titanium alloys for orthopedic applications’’. |  |
| 2010 | **Awarded CSIR, Senior Research Fellow, India** |  |
| 2007-2009 | **Bengal Engineering & Science University, Shibpur, India**  Master of Technology in Materials Engineering.   * Project Thesis was on Influence on processing parameters on microstructure, and biocompatibility of some prosthetic alloys. | 1st class |
| 2004-2006 | **Sikkim Manipal Institute of Health Medical and Technological Sciences, India**  Master of Science in Physics. | 1st class |
| **Research Experience** | | |
| * Application of various computational tools like Artificial Neural Network, Fuzzy Logic and Genetic Algorithm. * Can handle various instruments like optical and scanning electron microscopy, X-ray diffraction technique, and nano/ micro indentation. * Conducted various biocompatibility assays like BRdU and MTT. | | |
| **List of publications:**   1. [S. Datta](http://www.sciencedirect.com/science/article/pii/S1751616115003239), [M. Mahfouf](http://www.sciencedirect.com/science/article/pii/S1751616115003239), [Q. Zhang](http://www.sciencedirect.com/science/article/pii/S1751616115003239), [P.P. Chattopadhyay](http://www.sciencedirect.com/science/article/pii/S1751616115003239), [**N. Sultana**](http://www.sciencedirect.com/science/article/pii/S1751616115003239)**,** *“Imprecise knowledge based design and development of titanium alloys for prosthetic application”*, Journal of the Mechanical Behavior of Biomedical Materials, 2016, 53, p. 350-365. 2. Swati Dey, **Nashrin Sultana**, Md. Salim Kaiser, Partha Dey, Shubhabrata Datta, *“Computational intelligence based design of age-hardenable aluminium alloys for different temperature regime”,* Materials & Design, 2016, 92, p. 522*-*534. 3. **N. Sultana**, S. Sikdar (Dey), P. P. Chattopadhyay and S. Datta, *“Informatics based design of prosthetic Ti alloys”* Materials Technology: Advanced Biomaterials, 2014, 29, p. 69-75. 4. Shubhabrata Datta , Qian Zhang , **Nashrin Sultana** & Mahdi Mahfouf ‘’*Optimal Design of Titanium Alloys for Prosthetic Applications Using a Multiobjective Evolutionary Algorithm’’,* Materials and Manufacturing Processes,2013, 28, p. 741-745. 5. **Nashrin Sultana**, P.M.G. Nambissan, S. Datta and M.K. Banerjee, *“Positron Annihilation Studies of Defects in Ti-6Al-4V Subjected to Heat Treatments and Rolling”,* Physics Procedia,2012, 35, p. 40 – 44. | | |
| **Educational Activities**   * Participated in International conference on Biomaterials at IISc Bangalore and CGCRI, India and Workshops on Soft computing Methodology at BIT Deoghar, India. * Presented a paper on International conference ICAMET 2014 at IIEST, Shibpur on Symposium: Modeling, Simulation and Visualization. | | |
| **Computer Knowledge**  C Programming Language, DOS, Microsoft Windows 98, 10, XP, Microsoft Office (97, 2000, 2007, XP) | | |
| **Languages Known** English, Bengali & Hindi. | | |