



Rashmi Mahajan

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Nationality: Indian

Current position: Early stage researcher /PhD at Linnaeus University, Sweden.

Education: 2011– 2016: Bachelor + Master (B.Tech+M.Tech) in Nanotechnology; Amity Institute of Nanotechnology, Amity University; India.

Work experience:

- December 2016-May 2017: Lectureship at BCIET, India.
- January 2016-June 2016: Master dissertation at FII -UNISA, Australia.
(*Project: Developing porous silicon based biosensor for monitoring bacterial infection in cell therapy*).
- February 2015-June 2015: Major project at CSIO-CSIR, India
(*Project: In-situ Preparation of PANI-ND Composites and their Electrochemical Investigation*).
- 2014-2015: In-house/Internship at Amity University, India
(*Projects:1. Immobilization of Xanthine Oxidase onto Epoxy Affixed Go Nanoparticles for Xanthine Determination in Fish Meat.*
2. Biological Synthesis of C-Dot and Their Application in Medical Field).
- May 2013-June 2013: Summer Internship at IIIM-CSIR, India.
(*Project: Operation and Maintenance of HPLC, GC and FTIR Instrumentation*)

Research interest: Biosensors, Nano chemistry, MEMS/NEMS.

Publications:

1. Simple and Mediator-Free Urea Sensing Based on Engineered Nano diamonds with Polyaniline Nanofibers Synthesized in Situ. *ACS Applied Materials & Interfaces* (2017).
2. Nanofibers Synthesis of ND: PANI composite by liquid/liquid interfacial polymerization and study on the effect of NDs on growth mechanism of nanofibers, *European Polymer Journal* (2016).
3. Green synthesis of highly stable carbon nanodots and their photocatalytic performance, *IET Nanobiotechnology* (2016).

Hobbies : Badminton, Cooking, Travelling