

LIST OF PUBLICATIONS

In refereed journals

1. **A.Sharma**, A. Kumar, R. Khan, (2017) A highly sensitive amperometric immunosensor probe based on gold nanoparticle functionalized poly (3, 4-ethylenedioxythiophene) doped with graphene oxide for efficient detection of aflatoxin B₁, *Synthetic Metals*, Volume 235, Pages 136-144.
2. **A.Sharma**, A. Kumar, R. Khan, (2017) Electrochemical immunosensor based on poly(3,4-ethylenedioxythiophene) modified with Gold nanoparticle to detect aflatoxin B₁, *Materials Science and Engineering: C*, Volume 76, Pages 802-809.
3. **A.Sharma**, A. Kumar, (2016) Study of structural and electro-catalytic behaviour of amperometric biosensor based on chitosan/polypyrrole nanotubes-gold nanoparticles nanocomposites, *Synthetic Metals*, Volume 220, Pages 551-559.
4. **A.Sharma**, A. Kumar, R. Khan, Electrochemical biosensor based on multi component nanohybrid of Polypyrrole, Nafion and multiwall Carbon Nanotubes immobilized with acetylcholinesterase for detection of Organophosphate and Carbamate pesticides. *Material Science and Engineering C* (Under Review).
5. **A.Sharma**, A. Kumar, R. Khan, Acetylcholine esterase immobilized nanohybrid biosensor probe based on Carbon nanoutube (CNT) functionalized PEDOT: PSS for efficient detection of organophosphate and carbamate pesticides, *Sensors and Actuators B* (Under review).
6. **A.Sharma**, A. Kumar, R. Khan, Poly (3, 4-ethylenedioxythiophene) and UIO-66 based composite doped with gold nanoparticles for the detection of Aflatoxin B₁. (Submitted to Journal).

Papers presented in conferences

1. **Arati Sharma and A Kumar***, **National conference on condensed Matter days (CMDAYS-2014)**, University of Calcutta, Kolkata, India, 27th-29th August 2014.
2. **Arati Sharma and A Kumar***, **The Physics Academy of the North East (PANE-2014)**, North Eastern Institute of Science and Technology, Itanagar Arunachal Pradesh, India, 18th-20th December 2014.
3. **Arati Sharma and A Kumar***, **The International Conference on Emerging Trends in Nanomaterials Science & Technology (ICETNMST-2017)**, National Institute of Technology, Nagaland, India, 4th- 6th January 2017.