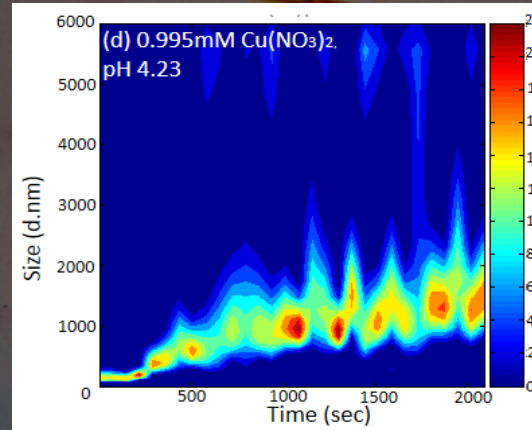
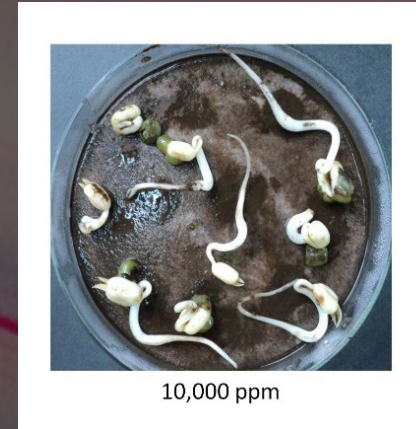




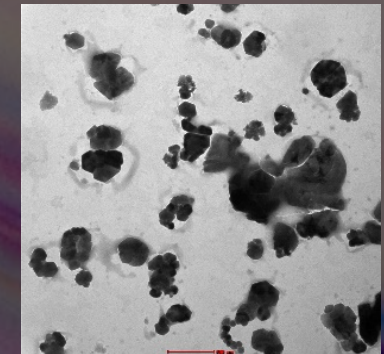
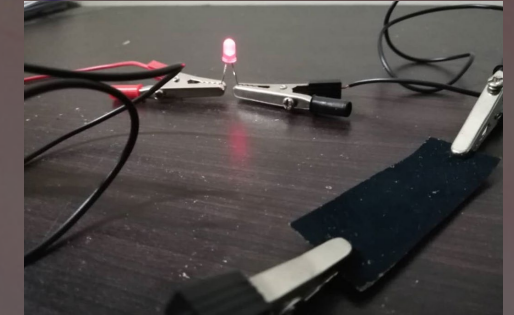
Agglomeration profile of magnetic nanoparticles



Toxicity of nanoparticles



Polyaniline coated filter paper as flexible conductor



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### Areas of Industrial Collaboration

- Fabrication of Flexible Electronic Devices/Sensor with Composite Nanoparticles (Graphene/Polymer System)
- Environmental nanoremediation
- Magnetic nanoparticles and its magnetophoresis behaviours
- Role of Environmental Media on the Fate and Transportation of Nanoparticles

### Community Service Projects

- Deposition of electrosterically stabilized nanoparticles onto a flexible substrate and its role on physicochemical properties of the formed composites
- Polymer flocculation-assisted magnetic sedimentation technique for rapid isolation of highly stabilized magnetic nanoparticles
- Interfacial interactions of bare and functionalized nanoparticles with environmental media and its nanotoxicity impact.

### Awards and Recognitions

- Gold Medal, International Invention & Innovation Competition InIIC Series 2/2020
- Gold Medal, International Putra InnoCreative Poster Competition, Carnival in Teaching and Learning, UPM
- Platinum, International Summit on Innovation Design Exposition

### Consultancy Services

- Characterization for quality of nanoproduct
- Application of nanotechnology in water remediation