Research outputs:

**A Protein-Based, Water-Insoluble, and Bendable Polymer with Ionic Conductivity: A Roadmap for Flexible and Green Electronics**
Research output: Research - peer-review › Journal article – Annual report year: 2019

**Enzymatic Crosslinked Gelatin 3D Scaffolds for Bone Tissue Engineering**
Research output: Research - peer-review › Journal article – Annual report year: 2019

**Flexible Electronics: A Protein-Based, Water-Insoluble, and Bendable Polymer with Ionic Conductivity: A Roadmap for Flexible and Green Electronics (Adv. Sci. 5/2019)**
Research output: Research - peer-review › Comment/debate – Annual report year: 2019

**Biopolymers for Antitumor Implantable Drug Delivery Systems: Recent Advances and Future Outlook**
Research output: Research - peer-review › Journal article – Annual report year: 2018

**Blending Electronics with the Human Body: A Pathway toward a Cybernetic Future**
Research output: Research - peer-review › Journal article – Annual report year: 2018

**Combinatorial Screening of Nano clay-Reinforced Hydro gels: A Glimpse of the "Holy Grail" in Orthopedic Stem Cell Therapy?**
Research output: Research - peer-review › Journal article – Annual report year: 2018

Research output: Commissioned › Sound/Visual production (digital) – Annual report year: 2018

**Emerging Biofabrication Strategies for Engineering Complex Tissue Constructs**
Research output: Research - peer-review › Journal article – Annual report year: 2017

**Experimental study on heat transfer augmentation of graphene based ferrofluids in presence of magnetic field**
Research output: Research - peer-review › Journal article – Annual report year: 2017

**Heat transfer and entropy generation analysis of hybrid graphene/Fe3O4 ferro-nanofluid flow under the influence of a magnetic field**
Research output: Research - peer-review › Journal article – Annual report year: 2017

**Hot-pressed geopolymer**
Research output: Research - peer-review › Journal article – Annual report year: 2017

**Incorporation of Human-Platelet-Derived Growth Factor-BB Encapsulated Poly(lactic-co-glycolic acid) Microspheres into 3D CORAGRAF Enhances Osteogenic Differentiation of Mesenchymal Stromal Cells**
Research output: Research - peer-review › Journal article – Annual report year: 2017

**Nanoreinforced Hydro gels for Tissue Engineering: Biomaterials that are Compatible with Load-Bearing and Electroactive Tissues**
Research output: Research - peer-review › Journal article – Annual report year: 2017
A Comprehensive Study of the Polypropylene Fiber Reinforced Fly Ash Based Geopolymer
Research output: Research - peer-review › Journal article – Annual report year: 2016

An ecofriendly graphene-based nanofluid for heat transfer applications
Research output: Research - peer-review › Journal article – Annual report year: 2016

Effect of nitrogen-doped graphene nanofluid on the thermal performance of the grooved copper heat pipe
Research output: Research - peer-review › Journal article – Annual report year: 2016

Effects of carbon doping on the microstructural, micro/nano-mechanical, and mesenchymal stromal cells biocompatibility and osteogenic differentiation properties of alumina
Research output: Research - peer-review › Journal article – Annual report year: 2016

Engineering complex tissue-like microgel arrays for evaluating stem cell differentiation
Research output: Research - peer-review › Journal article – Annual report year: 2016

Experimental investigation of the effect of graphene nanofluids on heat pipe thermal performance
Research output: Research - peer-review › Journal article – Annual report year: 2016

Experimental investigation of thermophysical properties, entropy generation and convective heat transfer for a nitrogen-doped graphene nanofluid in a laminar flow regime
Research output: Research - peer-review › Journal article – Annual report year: 2016

From rice husk to high performance shape stabilized phase change materials for thermal energy storage
Research output: Research - peer-review › Journal article – Annual report year: 2016

High tensile strength fly ash based geopolymer composite using copper coated micro steel fiber
Research output: Research - peer-review › Journal article – Annual report year: 2016