

Research Interest May 2017

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My research interest is to synthesize and characterize biomaterials from naturally derived materials for different biomedical applications. Biocompatible, biodegradable and implantable biomaterials with different formats have been studied in our lab.

Chitosan, silk fibroin and their derivatives are studies in progress that our group work on. Especially, biocompatibility studies, blood compatibility, antimicrobial properties of biomaterials are important field of studies. Projects under progress are:

- 1- Synthesis and characterization of silk fibroin – linseed oil biofilms for different biomedical applications.
- 2- Design chemical biosensor with silk fibroin.
- 3- Artificial Cartilage design.