



Seyed Morteza Naghib
Adjunct Professor and Research Associate

Academic Profile

Department of Biosensors and Tissue Engineering,
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Education

Ph.D: Biomedical Engineering, Amirkabir University of Technology, Tehran, Iran, (2014)

MSc: Biomedical Engineering, Amirkabir University of Technology, Tehran, Iran, (2010)

BSc: Biomedical Engineering, Amirkabir University of Technology, Tehran, Iran, (2009)

Research Area

Understanding and using the process by which nature makes materials in order to design and fabricate new nanomaterials and nanobiomaterials for cancer diagnosis and treatment is the focus of our research. Our work is very interdisciplinary in nature and brings together the fields of chemistry, materials sciences, biotechnology, biochemistry, biology, medical sciences, pharmaceuticals, mathematics, physics and engineering. The current research topics include:

- 1) Optimization of electrochemical biosensors for diagnosis of breast cancer,
- 2) Bioactivation of materials responsible for osteosarcoma replacement,
- 3) Nanostructuring materials for cancer drug delivery.