
Preparation, properties and biosensing applications: metallic and semiconducting quantum dots, wells and wires. Biofunctionalisation of nanomaterials, Mimic enzyme for biosensing, molecularly imprinted polymers, surface Plasmon resonance- Fluorescence Resonance energy transfer (FRET) – Dendrimeric structures for biosensing. Basic experiments in biosensor characteristics and modeling.

TEXT BOOKS/REFERENCES: