

**Yildiz Technical University**

**Department of Bioengineering**

**BYM6201 Karbon Nano Malzemeler ve Biyomedikal Uygulamaları**

**REVIEW PAPER PRESENTATION TOPICS**

1. Carbon Nanomaterials for Drug Delivery Applications
2. Carbon Nanomaterials for Phototherapy (Photodynamic-PDT and Photothermal Therapy-PTT)
3. Carbon Nanomaterials for Biosensor
4. Carbon Nanomaterials for Tissue Engineering
5. Carbon Nanomaterials for Biomedical imaging (diagnosis)
6. Carbon Nanomaterials for Theranostic
7. Carbon Nanomaterials for lab on a chip
8. Toxicity and Biocompatibility of Carbon Nanomaterials

Some of reviews on CNMs

* A review of optical imaging and therapy using nanosized graphene and graphene oxide
* Advanced review of graphene-based nanomaterials in drug delivery systems: Synthesis, modification, toxicity and application
* An Overview of Carbon Nanotubes and Graphene for Biosensing Applications
* Assessing biocompatibility of graphene oxide-based nanocarriers: A review.
* Bioapplications of graphene constructed functional nanomaterials.
* Biomedical applications of the graphene-based materials.
* Graphene and graphene oxide as new nanocarriers for drug delivery applications.
* Graphene as cancer theranostic tool: progress and future challenges.
* Graphene-Based Electrochemical Platform for Biosensor Applications
* Graphene-based nanomaterials for drug delivery and tissue engineering
* Graphene-based nanomaterials for nanobiotechnology and biomedical applications.
* Graphene-based platforms for cancer therapeutics
* Nano-graphene in biomedicine: theranostic applications.
* New horizons for diagnostics and therapeutic applications of graphene and graphene oxide.
* Pharmaceutical applications of graphene-based nanosheets
* Recent Developments of Phototherapy Based on Graphene Family Nanomaterials.
* Surface-engineered graphene-based nanomaterials for drug delivery
* The advancing uses of nano-graphene in drug delivery.