

AŞAĞIDA İSMİ GEÇEN ÖĞRENCİLERİMİZİN DİKKATİNE

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İsmi geçen öğrencilerimizin 2017 Bahar dönemi CHBE-492 dersi için danışman/proje atanması yapılamamıştır. Bu öğrencilerimizin aşağıda sıralanmış olan projelerden 7 tanesini tercih edecekleri sıralı liste dilekçelerini 27 Aralık 2016 mesai bitimine kadar bölüm başkanlığına iletmesi gerekmektedir.

INSTRUCTOR	TITLE	TYPE / # STUDENT
Prof. Dr. Seyda Malta	<u>Synthesis Of Cationic Magnetic Nanoparticles</u> In this project, student will learn how to synthesize magnetic particles with partial oxidation method. The aim is to then coat these particles with a cationic polymer, which has not yet been achieved.	Experimental 1 Student
Prof. Dr. Volkan Günay	<u>Self-cleaning TiO₂ (Anatase) based nanofunctional coatings on ceramic tiles</u> Consult the instructor for the details <u>UV-Cut off nano coatings on glass and textiles in automotive industry</u> Consult the instructor for the details <u>Hydrophobic nano coatings on wood floor tiles</u> Consult the instructor for the details	Experimental 1 Student Experimental 1 Student Experimental 1 Student
Assoc. Prof. Dr. Nihan Ç. Ölçüm	Consult the instructor for the details	Computational 3 Students
Assist. Prof. Dr. Cem L. Altan	<u>The formation of Inclusion Complex Between Ferrocene and Cyclodextrin in Aqueous Media as a Potential Radiosensitizing Agent in Radiotherapy.</u> Ferrocene is an organometallic compound containing one center iron atom and two coordinated cyclopentadiene rings. It exhibits reversible redox properties and was shown to act as a potential radiosensitizer of cancer cells by enhancing the effect of radiation therapy. However, its use in biomedical applications is limited owing to its poor aqueous solubility. In this study, inclusion complexes between ferrocene and different types of cyclodextrins will be formed in order to achieve a reasonable aqueous solubility of the radiosensitizing agent which may lead to its extensive use in cancer therapy.	Experimental 1 Student
Assist. Prof. Dr. Levent Organ	<u>Metastable Pitting Corrosion of Aluminum Alloys</u> This will be a literature survey on metastable pitting corrosion of aluminum alloys. Student will need to learn about electrochemical thermodynamics and kinetics of corrosion as well as the pitting (metastable as well as stable) corrosion.	Lit. survey 1 student