

**BIOE 4097 BIOENGINEERING GRADUATION PROJECTS (2019-2020)**

Project ID	Supervisor	Project title	Student(s)
AAU1	Prof. Ahu Altinkut Uncuoğlu	In vivo and In vitro Applications of Nanoparticules on Stress Resistance in Plants	Rabia Nur TOPAKLI
BM1	Prof. Bülent Mertoğlu	The Genomic and Morphological Effects of Bisphenol A on Arabidopsis thaliana	Seben Yucel, Tuğçe Nur Çalışkan, Başak Akın
BM2	Prof. Bülent Mertoğlu	Long term effects of EDC on saccharomyces cerevisiae	Çağla Muhide ÖZDEMİR, Gizemnur YILMAZ
BM3	Prof. Bülent Mertoğlu	Investigation of hydrazine tolerance and metabolism in Anammox process	Mustafa Aksu, Fatih Emre Kınaç
BSA1	Prof. Berna Sariyar Akbulut	Investigation of the antimicrobial activity of carvacrol and antibiotic combinations on bacterial cells	Buse Melike Çıkrıkçı
BSA2	Prof. Berna Sariyar Akbulut	A kinetic study on the inhibitors of beta-lactamase	Hasan Aydın
BSA3	Prof. Berna Sariyar Akbulut	A study for the categorization of natural product databases	Hilal kabakçı
CK1	Assist. Prof. Ceyda Kasavi	Reconstruction and Investigation of a Protein-Protein Interaction Network of Ethanol Stress in Yeast	Alper Ayanoğlu
DK1	Prof. Dilek Kazan	Metabolomic analysis to distinguish thyroid diseases	Dilan Inan, Dilara Yerli, Rahime Ersoy
DK2	Prof. Dilek Kazan	Production of Polyhydroxybutyrate (PHB) from newly isolated extremophile: Bioprocess design and economic analysis	Hatice Betül Kuzudişli, Ceren Gül Şahin, Zülfiye Likoğlu
ETO1	Prof. Ebru Toksoy Öner	Levan based 3D printed scaffolds for cardiac regeneration	Gizem Akan
ETO2	Prof. Ebru Toksoy Öner	Development of biomaterials for skin tissue engineering	Mehmet Murat Bozdağ, Merve Küçükdeniz, Zuhâl Er
FNO1	Prof. Faik N. Oktar	Bacterial Cellulose Hydrogels for Tissue Engineering Applications	Berna Alemdağ, Sena Davran, Sabriye Senem Kılıç
FNO2	Prof. Faik N. Oktar	Various Tissue Scaffold Production Modelling with simple 3D Printing	Yiğit Akkaya, Ezgi Saylam, Öznur İmre
FNO3	Prof. Faik N. Oktar	Tissue Scaffold Application through Electrospinning Method	Yaren Ezgi Baripoglu, Ayça Arıkan
NAS1	Assoc. Prof. N. Alpago Sayar	Meta-analysis of critical process metrics for bioprocess design	Elif Çelik
POS1	Assoc. Prof. Pemra Özbek Sarıca	Development of an MD analysis tool package	Yaren Ozaltın
POS2	Assoc. Prof. Pemra Özbek Sarıca	Computational investigation of Non-Hodgins Lymphoma (NHL) and Systematic Lupus Erythamotozus (SLE) disease mechanisms	İlgaz Tastekil, Cansu Yay, Nursena Keskin