**SANAYİCİ İLE BULUŞMA VE DİPLOMA PROJESİ SERGİSİ 2018 PROJE LİSTESİ**

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| **No** | **Öğretim Üyesi** | **Proje Konusu** | **Öğrenciler** |
| 1 | Prof. Dr. Saadet YAPAR | Determination of Adsorption Properties of Wool | Ebru YILMAZ |
| 2 | Prof. Dr. Saadet YAPAR | Preparation of Antibacterial Clays | Sema Nur ÜNSAL |
| 3 | Y. Doç. Dr. Canan URAZ | Preparation and Characterization of Different Types of Zeolites as Additive to Anticorrosive Paints | İsa DAĞLAR  Dilara HANCI |
| 4 | Y. Doç. Dr. Canan URAZ | Investigation of the Effects of Ionic Liquids in the Electroless Metal Plating Process over ABS Plastic | Elif HATİPOĞLU  Binnaz GÜNAY |
| 5 | Doç. Dr. Zehra ÖZÇELİK | Supply-Chain Management Application | Ezgi ENGİN |
| 6 | Prof. Dr. Levent BALLİCE | Subcritical Hydrothermal Decomposition of Organic Waste and Production of Valuable Chemicals | Hülya PALA  Tuğçe ÖZPERÇİN  Melike ÖZ |
| 7 | Prof. Dr. Nalan KABAY | Fractionation and Demineralization of Cheese Whey by Membrane Processes | Sinem NOYAN |
| 8 | Prof. Dr. Nalan KABAY | Optimization Tests with Pilot MBR System for Wastewater Treatment | Veysel AK |
| 9 | Prof. Dr. Nalan KABAY | Application of EDI for Polishing of RO Permeate for Process Water Production | Damla Hazal GÜNEŞ |
| 10 | Prof. Dr. Nalan KABAY  Dr. Tülay MADENOĞLU | Production of Biogas from Biomass | Melis C. AKBAŞ  Begüm KALETAŞ |
| 11 | Doç. Dr. İdil İPEK | Production of Oil Phase Emulsions Coated with TiO2 Nanoparticles for BPA Degradation | Koray ÇOBANOĞLU |
| 12 | Doç. Dr. İdil İPEK | Effects of Coexisting Substances on Photocatalytic Activities of Pickering Emulsions for BPA Degradation | Büşra ÖRS |
| 13 | Doç. Dr. Zehra ÖZÇELİK | Improvement of Steam Headers Using Exergy Analysis | Nazlı KELEŞ  Selena ALAN |
| 14 | Y. Doç. Dr. Tuğba GÜRMEN ÖZÇELİK | Synthesis and Characterization of Phase Change Materials | Serbay EMİR |
| 15 | Y. Doç. Dr. Tuğba GÜRMEN ÖZÇELİK | Liquid Phase Oxidation of Toluene to Benzoic Acid | Ece ERASLAN  Abdullah ABDI |
| 16 | Prof. Dr. Süheyda ATALAY  Ar. Gör. Gülen TEKİN | Treatment of Real Textile Wastewater by Adsorption in the Presence of Graphene-based Adsorbents Derived from Corncob | Bekir BARIŞ  Eda SARIKÖSE |
| 17 | Doç. Dr. Gülin ERSÖZ  Ar. Gör. Burcu PALAS | Application of Photo-Fenton-like Oxidation and Catalytic Wet Air Oxidation to the Real Textile Wastewater by Using Perovskite-graphene Based Catalysts | İlayda ÖZARABACI  Hüseyin YAMAK |
| 18 | Doç. Dr. Gülin ERSÖZ | Hybrid Technologies on Treatment of Real Textile Wastewater Comprising of Electrocoagulation and Adsorption Methods | Hatice Nur AKYOL |

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| 19 | Prof. Dr. Bikem ÖVEZ | Removal of Dye onto Codium Fragile in Fixed-bed Column | Irmak MESUT |
| 20 | Prof. Dr. Bikem ÖVEZ | Biosorption of Dye/Heavy Metal Mixture by Algal Biomass | Merve SARI |
| 21 | Prof. Dr. Bikem ÖVEZ | Biosorption of Ni(II) Ion from Aqueous Solution in Fixed-bed Column | Berk OTÇUOĞLU |
| 22 | Prof. Dr. Günseli ÖZDEMİR | Adsorption and Desorption Behavior of Cu and Zn Ions onto and from Montmorillonite | Evrim ÖZÇOBAN  Melike Merve KUNDURU |
| 23 | Prof. Dr. Günseli ÖZDEMİR | Adsorption and Desorption Behavior of Cu and Zn Ions onto and from Cetylpyridinium and N-Lauroylsarcosinate Loaded Montmorillonite | Gizem HALAÇ  Ozan KALAYCI  Kübra BAYRAM |
| 24 | Y. Doç. Dr. Murat SERT | Subcritical Water Extraction of Xylose by Adding Hydrophilic Eutectic Solvents | Ayşe Nur YILDIZ |
| 25 | Y. Doç. Dr. Murat SERT | Fractionation of Lignin from Biomass by Using Deep Eutectic Solvents | İsmail BİRGÜL  Tuğçe ÖZPERÇİN |
| 26 | Doç. Dr. Ceren KÜTAHYALI ASLANİ  Prof. Dr. Mustafa DEMİRCİOĞLU  Prof. Dr. Mahmoud ASLANİ | Cerium Adsorption by Carbon Nanotubes | Hakan ÖNAL |
| 27 | Prof. Dr. Mustafa DEMİRCİOĞLU | 3D Flow-sheeting Pilot Plant in Chemical Engineering Department | Mehmet SIĞAK  Rıdvan Orçun YAYLALI |
| 28 | Prof. Dr. Mustafa DEMİRCİOĞLU | Modelling of Direct Contact Condenser with COMSOL | Melek GÖÇMEN |
| 29 | Y. Doç. Dr. Meral DÜKKANCI | Oxidation of Bisphenol-A by Fenton Assisted Sonication | Eda AKIN  Ecem YALÇIN |
| 30 | Y. Doç. Dr. Meral DÜKKANCI | Photocatalytic Oxidation of Rhodamine 6G dye in the Presence of Magnetic Photocatalysts | Ceren CIGALI |
| 31 | Prof. Dr. Oğuz BAYRAKTAR | Encapsulation of Curcumin into Alginate Microbeads by Electrospraying | Cerem PİŞKİN |
| 32 | Y. Doç. Dr. Nilay GİZLİ | Investigation of the Effect of Ionic Liquid Content and Synthesis Parameters on Monolithic Silica Aerogels | Ali İhsan AKTUĞ  Sedanur MALCI |
| 33 | Y. Doç. Dr. Nilay GİZLİ | Preparation and Characterization of Crosslinked Silica Aerogels | Nur Beliz AŞKIN  Dilara ÜSTÜNÖZ |
| 34 | Y. Doç. Dr. Nilay GİZLİ | Investigation of the Adsorption Behaviour of Silica Aerogels | Yunus Emre UZAN |
| 35 | Y. Doç. Dr. Nilay GİZLİ | CO2 Capture by Amin-Ionic Liquid Hybrid Ionogels | Nur EKENEL |
| 36 | Yrd. Doç. Dr. Emine SERT  Prof. Dr. Ferhan S. ATALAY  Ar. Gör. Esra YILMAZ | Glycerol Oxidation Catalyzed by Bimetallic Metal Organic Frameworks | Elif TAŞDÖVEN  Ezgi HEPİLERİ |

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| 37 | Yrd. Doç. Dr. Emine SERT  Prof. Dr. Ferhan S. ATALAY  Ar. Gör. Esra YILMAZ | PET Degradation Catalyzed by Deep Eutectic Solvents | Tansu ONARAN  Hümeyra SAN |
| 38 | Prof. Dr. Mustafa DEMİRCİOĞLU | Design of Experiments for Multivariable with Different Levels | Hülya SÖĞÜT |
| 39 | Prof. Dr. Mustafa DEMİRCİOĞLU | Bulk Solid Cooler with COMSOL | Cansu ÖNDER |
| 40 | Doç. Dr. İdil İPEK | Application of Kinetic, Isotherm and Thermodynamic Models for BPA Adsorption on Nanoporous Polymeric Adsorbents | Ece UĞUR  Zeliha ÇELENKLİ |
| 41 | Doç. Dr. İdil İPEK | Photocatalytic Degradation of Humic Acid Stabilized with TiO2 Nanoparticles | Hande TÜRKKAN |