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

|  |  |  |  |
| --- | --- | --- | --- |
| **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 DAĞLARDilara HANCI |
| 4 | Y. Doç. Dr. Canan URAZ | Investigation of the Effects of Ionic Liquids in the Electroless Metal Plating Process over ABS Plastic | Elif HATİPOĞLUBinnaz 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 PALATuğçe ÖZPERÇİNMelike 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 KABAYDr. Tülay MADENOĞLU | Production of Biogas from Biomass | Melis C. AKBAŞBegüm 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 KELEŞSelena 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 ERASLANAbdullah ABDI |
| 16 | Prof. Dr. Süheyda ATALAYAr. Gör. Gülen TEKİN | Treatment of Real Textile Wastewater by Adsorption in the Presence of Graphene-based Adsorbents Derived from Corncob | Bekir BARIŞEda SARIKÖSE |
| 17 | Doç. Dr. Gülin ERSÖZAr. 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 ÖZARABACIHüseyin YAMAK |
| 18 | Doç. Dr. Gülin ERSÖZ | Hybrid Technologies on Treatment of Real Textile Wastewater Comprising of Electrocoagulation and Adsorption Methods | Hatice Nur AKYOL |

|  |  |  |  |
| --- | --- | --- | --- |
| **No** | **Öğretim Üyesi** | **Proje Konusu** | **Öğrenciler** |
| 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 ÖZÇOBANMelike 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 HALAÇOzan KALAYCIKübra 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 BİRGÜLTuğçe ÖZPERÇİN |
| 26 | Doç. Dr. Ceren KÜTAHYALI ASLANİProf. Dr. Mustafa DEMİRCİOĞLUProf. 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 SIĞAKRıdvan 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 AKINEcem 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 AKTUĞSedanur MALCI |
| 33 | Y. Doç. Dr. Nilay GİZLİ | Preparation and Characterization of Crosslinked Silica Aerogels | Nur Beliz AŞKINDilara 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 SERTProf. Dr. Ferhan S. ATALAYAr. Gör. Esra YILMAZ | Glycerol Oxidation Catalyzed by Bimetallic Metal Organic Frameworks | Elif TAŞDÖVENEzgi HEPİLERİ |

|  |  |  |  |
| --- | --- | --- | --- |
| **No** | **Öğretim Üyesi** | **Proje Konusu** | **Öğrenciler** |
| 37 | Yrd. Doç. Dr. Emine SERTProf. Dr. Ferhan S. ATALAYAr. Gör. Esra YILMAZ | PET Degradation Catalyzed by Deep Eutectic Solvents | Tansu ONARANHümeyra 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 UĞURZeliha ÇELENKLİ |
| 41 | Doç. Dr. İdil İPEK | Photocatalytic Degradation of Humic Acid Stabilized with TiO2 Nanoparticles | Hande TÜRKKAN |