



Birim : MÜHENDİSLİK FAKÜLTESİ
ÇEVRE MÜHENDİSLİĞİ BÖLÜMÜ
ÇEVRE TEKNOLOJİSİ ANABİLİM DALI

E-Posta : ndizge@mersin.edu.tr

ORCID : 0000-0002-7805-9315

ÜAK Temel Alan : Mühendislik Temel Alanı
Çevre Bilimleri ve Mühendisliği
Temiz Üretim Teknolojileri, Nanoteknoloji, Su Kirliliği ve Kontrolü



NADİR DİZGE

Prof. Dr.

Öğrenim Bilgisi

2006 - 2011 **Doktora** FEN BİLİMLERİ ENSTİTÜSÜ/ÇEVRE MÜHENDİSLİĞİ (DR)/

Tez adı: Mikrofiltrasyon membranların kirlenme özelliklerinin membran tipine ve gözenek boyutuna bağlı olarak klasik aktif çamur sisteminde incelenmesi (2011) Tez Danışmanı: BÜLENT KESKİNLER

2004 - 2006 **Yüksek Lisans-Tezli** MÜHENDİSLİK VE FEN BİLİMLERİ ENSTİTÜSÜ/ÇEVRE MÜHENDİSLİĞİ (YL) (TEZLİ)/

Tez adı: Bitkisel yağ ve atıklarından yeni mikro poroz polimerik enzim reaktörleri ile biyodizel üretimi (2005) Tez Danışmanı: BÜLENT KESKİNLER

1999 - 2002 **Lisans** MÜHENDİSLİK FAKÜLTESİ/ÇEVRE MÜHENDİSLİĞİ BÖLÜMÜ/ÇEVRE MÜHENDİSLİĞİ PR./

Akademik Görevler

2021 - **PROFESÖR** MERSİN ÜNİVERSİTESİ/MÜHENDİSLİK FAKÜLTESİ/ÇEVRE MÜHENDİSLİĞİ BÖLÜMÜ/ÇEVRE TEKNOLOJİSİ ANABİLİM DALI/

2015 - 2021 **DOÇENT** MERSİN ÜNİVERSİTESİ/MÜHENDİSLİK FAKÜLTESİ/ÇEVRE MÜHENDİSLİĞİ BÖLÜMÜ/ÇEVRE MÜHENDİSLİĞİ ANABİLİM DALI/

2014 - 2015 **YARDIMCI DOÇENT** MERSİN ÜNİVERSİTESİ/MÜHENDİSLİK FAKÜLTESİ/ÇEVRE MÜHENDİSLİĞİ BÖLÜMÜ/ÇEVRE MÜHENDİSLİĞİ ANABİLİM DALI/

2004 - 2011 **ARAŞTIRMA GÖREVLİSİ** GEBZE YÜKSEK TEKNOLOJİ ENSTİTÜSÜ/MÜHENDİSLİK VE FEN BİLİMLERİ ENSTİTÜSÜ/

İdari Görevler

2014 - **Bölüm Başkan Yardımcısı** MERSİN ÜNİVERSİTESİ

Yönetilen Tezler

A. Yüksek Lisans Tezleri (18)

- EGEMEN NERGİZ, 2025, Research On The Use Of Karaduvar Wastewater Treatment Plant Discharge Water As Cooling Water In The Industry By Purifying It Through An Advanced Treatment Plant, Mersin Üniversitesi - Fen Bilimleri Enstitüsü - Çevre Mühendisliği Ana Bilim Dalı
- İLKAY APAYDIN, 2025, Karaduvar Atıksu Arıtma Tesisi Atıksudan MAP(Magnezyum Amonyum Fosfat) Üretimi, Mersin Üniversitesi - Fen Bilimleri Enstitüsü - Çevre Mühendisliği Ana Bilim Dalı
- AYA ALTERKAOUL, 2024, Tarımsal atıklardan kalsiyum oksit (CaO) katalizör eldesi ve biyodizelde üretim potansiyelin incelenmesi, Mersin Üniversitesi - Fen Bilimleri Enstitüsü - Çevre Mühendisliği Ana Bilim Dalı

- SÜREYYA DÖŞLÜ ÇETİNKAYA, 2023, Yarı iletken metal oksitlerin fotokatalitik özelliklerinin incelenmesi, Mersin Üniversitesi - Fen Bilimleri Enstitüsü - Nanoteknoloji ve İleri Malzemeler Ana Bilim Dalı
- HANDE BULUT, 2023, Atık metal tozlarının fenton benzeri proses ile boya ve krom gideriminde katalizör olarak kullanılması, Mersin Üniversitesi - Fen Bilimleri Enstitüsü - Çevre Mühendisliği Ana Bilim Dalı
- MELİNA KARAGÖZ, 2023, Atık araç lastiklerinin kimyasal yöntemle geri kazanımında, ürünlerin enerji potansiyellerinin değerlendirilmesi, Tarsus Üniversitesi - Lisansüstü Eğitim Enstitüsü - Enerji Sistemleri Mühendisliği Ana Bilim Dalı
- MERVE KAYA, 2023, Tekstil atıksularında fotomembran prosesinin uygulama potansiyelinin incelenmesi, Mersin Üniversitesi - Fen Bilimleri Enstitüsü - Çevre Mühendisliği Ana Bilim Dalı
- MELİS GÜN, 2022, Pirinç kavuzu ve domates sapından elde edilen adsorbentler ile atıksudan boya ve fosfat giderimi, Mersin Üniversitesi - Fen Bilimleri Enstitüsü - Çevre Mühendisliği Ana Bilim Dalı
- HASRET KARAKAYA, 2022, Mersin Üniversitesi Çiftlikköy Kampüsü kurumsal karbon ayak izi hesaplaması ve değerlendirilmesi, Mersin Üniversitesi - Fen Bilimleri Enstitüsü - Çevre Mühendisliği Ana Bilim Dalı
- RABİA YILDIRIM, 2022, Tekstil boya banyo sularının elektrooksidasyon yöntemi ile arıtımının araştırılması, Mersin Üniversitesi - Fen Bilimleri Enstitüsü - Çevre Mühendisliği Ana Bilim Dalı
- İREM KOÇ, 2022, İvrindi altın-gümüş madeni ve zenginleştirme tesisinde rehabilitasyon sürecinin çevresel açıdan incelenmesi, Mersin Üniversitesi - Fen Bilimleri Enstitüsü - Çevre Mühendisliği Ana Bilim Dalı
- ŞAFAK BULU, 2022, Meyve suyu endüstrilerinde membran prosesleri ile pestisit giderimi, Mersin Üniversitesi - Fen Bilimleri Enstitüsü - Çevre Mühendisliği Ana Bilim Dalı
- ZEYNEP BİLİCİ, 2021, Yüzey aktif maddeler ile aktive edilmiş kalsiyum aljinat boncuklarının yağlı atıksu arıtımında kullanım potansiyelinin araştırılması, Mersin Üniversitesi - Fen Bilimleri Enstitüsü - Çevre Mühendisliği Ana Bilim Dalı
- HALİL ATMACA, 2021, Yüksek güçlü yarı iletken diyot lazerlerin bakteri ve funguslar üzerindeki etkilerinin incelenmesi, Mersin Üniversitesi - Fen Bilimleri Enstitüsü - Nanoteknoloji ve İleri Malzemeler Ana Bilim Dalı
- AHMET BURAK ERDEMİR, 2020, II.sınıf katı atık düzenli depolama alanlarından oluşan sızıntı sularının kimyasal koagülasyon ile arıtım performansının incelenmesi, Mersin Üniversitesi - Fen Bilimleri Enstitüsü - Çevre Mühendisliği Ana Bilim Dalı
- FAHRETTİN UYAR, 2020, Sızıntı sularının elektrokoagülasyon yöntemi ile arıtılabilirliğinin incelenmesi, Mersin Üniversitesi - Fen Bilimleri Enstitüsü - Çevre Mühendisliği Ana Bilim Dalı
- ZELAL IŞIK, 2019, Antepfıstığı işleme atıksularının fungal arıtımına elektrokimyasal ön arıtma etkisinin araştırılması, Mersin Üniversitesi - Fen Bilimleri Enstitüsü - Çevre Mühendisliği Ana Bilim Dalı
- HAKAN GÖNÜLDAŞ, 2017, Nanoparçacık ile fonksiyonelleştirilmiş PES/grafen oksitli kompozit membran sentezi ve antibakteriyel özelliklerinin incelenmesi, Mersin Üniversitesi - Fen Bilimleri Enstitüsü - Çevre Mühendisliği Ana Bilim Dalı

B. Doktora Tezleri (6)

- ZELAL IŞIK, 2025, İleri osmoz membran destekli yeni nesil elektro-osmotik membran biyoreaktör ile insan idrarından sıvı ve katı gübre üretim potansiyelinin araştırılması, Mersin Üniversitesi - Fen Bilimleri Enstitüsü - Çevre Mühendisliği Ana Bilim Dalı
- NİHAN CANAN ÖZDEMİR, 2025, Endüstriyel Atıksuların Membran Kapasitif Deiyonizasyon (MCDI) ve Elektromembran Ekstraksiyon (EME) Hibrit Prosesler ile Arıtımının ve Değerli Maddelerin/Suyun Geri Kazanımının Araştırılması, Mersin Üniversitesi - Fen Bilimleri Enstitüsü - Çevre Mühendisliği Ana Bilim Dalı
- PELİN SÖNMEZ, 2024, Katı oksit yakıt hücreleri için bizmut tabanlı yeni tip kompozitelektrolitlerin üretimi ve karakterizasyonu, Mersin Üniversitesi - Fen Bilimleri Enstitüsü - Nanoteknoloji ve İleri Malzemeler Ana Bilim Dalı
- YAŞİN ÖZAY, 2021, Antep fıstığı işleme tesisi atık sularının arıtım-su geri kazanım performansının incelenmesi ve katı atıklarından fenolik bileşiklerin geri kazanımı, Mersin Üniversitesi - Fen Bilimleri Enstitüsü - Çevre Mühendisliği Ana Bilim Dalı
- MOHAMMED ABDUL-FATTAH SALEH, 2021, Bazı tarımsal ve endüstriyel katı atıkların atıksu arıtımında kullanım potansiyelinin araştırılması, Mersin Üniversitesi - Fen Bilimleri Enstitüsü - Çevre Mühendisliği Ana Bilim Dalı
- BARIŞ POLAT, 2021, Yarı iletken diyot lazerin çevresel uygulamaları, Mersin Üniversitesi - Fen Bilimleri Enstitüsü - Nanoteknoloji ve İleri Malzemeler Ana Bilim Dalı

Eserler

A. Uluslararası hakemli dergilerde yayımlanan makaleler (244)

- Bilici, Z., Koç, E. Ö., Özdemir, S., Yalçın, M. S., Filiz, V., & Dizge, N. (2025). Green synthesis of nickel oxide nanoflowers from cherry straw extract and preparation of antibacterial PES ultrafiltration membrane. In International Journal of Environmental Science and Technology (Vol. 22, pp. 14245–14262).
- Bakache, Y., Benmenine, A., Bahiani, M., Boudjemaa, B., Murrar, A., Saleh, M., & Dizge, N. (2025). Optimum Conditions for Bioethanol Production from A Variety of Dates (Hmira) of Adrar. In Waste and Biomass Valorization.
- Özdemir, S., Dizge, N., Abd-Elkader, O. H., H., O. H. O., Plavan, G., & Kılınç, E. (2025). Preconcentrations of Ni(II) and Pb(II) in real water and food samples by using Sparassis crispa immobilized on hollow mesoporous nanosilica as a solid phase extractor. In Journal of Food Composition and Analysis (Vol. 142, Issue 107382, pp. 107382-).

- Alterkaoui, A., Gonca, S., Doğan, S., Doğan, S., Işık, Z., Özdemir, S., Filiz, V., & Dizge, N. (2025). Preparation of Cobalt Oxide Powders Synthesized by Green Chemistry Method and Improving the Antibacterial Performance of PES Membrane. In *Water, Air, & Soil Pollution* (Vol. 236, Issue 4).
- Yabalak, E., Alhroub, F., Alterkaoui, A., & Dizge, N. (2025). One-step hydrothermally-assisted persulfate treatment: a sustainable approach for highly concentrated denim scrap wastewater. In *International Journal of Environmental Science and Technology*.
- Bilici, Z., Hasnaoui, A., Chikhi, M., Sillanpää, M., Al-Farraj, S., & Dizge, N. (2025). Treatment of landfill leachate wastewater by chemical coagulation-flocculation, electro-membrane bioreactor, and anaerobic hybrid system. In *Water Environment Research* (Vol. 97, Issue 2).
- Kaya, G., Belibağlı, P., Acir, S., Özdemir, S., Tollu, G., Demirdöğen, R. E., Dizge, N., & Ocağolu, K. (2025). Cellulose extraction from hemp fiber and carbonized nanocellulose production, characterization, antibiotic loading, and comparison of antibacterial properties. In *Cellulose* (Vol. 32, pp. 6551–6572).
- Belibağlı, P., Işık, Z., Yabalak, E., & Dizge, N. (2025). Magnetic banana fiber catalyst for efficient Cr(VI) reduction: a sustainable approach to waste valorization and water treatment. In *Journal of Water Process Engineering* (Vol. 75, pp. 107886–107886).
- Yalvaç, M., Belibağlı, P., Belibağlı, P., Işık, Z., Işık, Z., Arslan, H., Özdemir, S., & Dizge, N. (2025). A cleaner production for protein recovery from the coelomic fluid of earthworms using electrooxidation and membrane processes and synthesis of magnetite nanoparticles. In *Toxicological and Environmental Chemistry* (Vol. 107, Issue 7, pp. 1291–1320).
- Bouchareb, E. M., Derbal, K., Nouasria, F. Z., Benkaida, A., Bouchraïne, A., & Dizge, N. (2025). Utilization of 3D Printing for Improving Biohydrogen Production by Dark Fermentation of Bioethanol Industrial Digestate. In *Waste and Biomass Valorization*.
- Bouras, H. D. B. D., Abdallah, A., Aissa, I. B., Khane, Y., Favier, L., & Dizge, N. (2025). Enhanced photocatalytic degradation of clofibric acid using ZnO-impregnated Tamarix articulata stems. In *Reaction Kinetics, Mechanisms and Catalysis*.
- Şener, L., Alterkaoui, A., Özdemir, N. C., Dizge, N., Özdemir, S., Yalçın, M. S., & Gülcan, M. (2025). Polyethersulfone membranes modified with 2D MXene-CuO nanocomposites for protein rejection and investigation of antimicrobial properties. In *Inorganic Chemistry Communications* (Vol. 179, Issue 2, pp. 114881-).
- Alterkaoui, A., Alterkaoui, A., Belibağlı, P., Belibağlı, P., Arslan, H., Dizge, N., Balakrishnan, D., & Balakrishnan, D. (2025). Heterogeneous catalyst production from waste cucumber stems and investigation of production potential in biodiesel. In *Process Safety and Environmental Protection* (Vol. 196, Issue 196, pp. 106842-).
- Kaya, M., Alterkaoui, A., Bilici, Z., Saleh, M., Yatmaz, H., & Dizge, N. (2025). Degradation of Reactive Red 180 and Safranin and a Comparative Analysis of Photocatalysis and Photo-Membrane Systems for Real Textile Wastewater Treatment. In *Asia-Pacific Journal of Chemical Engineering*.
- Hasnaoui, A., Chikhi, M., Bilici, Z., Balaska, F., Seraghni, W., & Dizge, N. (2025). Effective COD removal from orange juice wastewater using a combined treatment system consisting of electrocoagulation supported re-use of aluminum scraps and membrane processes. In *Journal of Water Process Engineering* (Vol. 69, pp. 106651-).
- Ghasali, E., Alterkaoui, A., Özdemir, S., Yalçın, M. S., Filiz, V., Dizge, N., Khataee, A., Khataee, A., & Orooji, Y. (2025). Synthesis and characterization of vanadium germanium carbide MAX phase to prepare antibacterial PES ultrafiltration membrane. In *Journal of Water Process Engineering* (Vol. 77, Issue 108385, pp. 108385-).
- Işık, Z., & Dizge, N. (2025). Recovery of ferrous ammonium phosphate fertilizer from source-separated urine by electrocoagulation using response surface methodology (RSM). In *Process Safety and Environmental Protection* (Vol. 194, pp. 985–996).
- Açıkbaş, G., Açıkbaş, N. Ç., Dizge, N., & Belibağlı, P. (2024). Multi-functional ceramic glazes with nano ZnO/Cu-ZnO incorporation. In *CERAMICS INTERNATIONAL* (Vol. 50, Issue 21, pp. 43800–43810).
- Tollu, G., Yabalak, E., Özdemir, S., Işık, Z., & Dizge, N. (2024). Synthesis of CaO-Fe and CaO-Ag nanocomposites using raw and hydrolyzed waste chicken eggshell and investigation of their antimicrobial, biofilm inhibition activity, DNA cleavage ability, and antioxidant activity properties. In *Biomass Conversion and Biorefinery* (Vol. 15, pp. 4449–4463).
- Sahin, B., Unal, B. O., Dizge, N., Keskinler, B., & Balçık, Ç. (2024). Optimization of immobilized urease enzyme on porous polymer for enhancing the stability, reusability and enzymatic kinetics using response surface methodology. In *COLLOIDS AND SURFACES B-BIOINTERFACES* (Vol. 240, pp. 113986-).
- Eskikaya, O., Küçükosman, R., Özdemir, S., Yalçın, M. S., Ocağolu, K., & Dizge, N. (2024). Investigation of the treatment and antibacterial properties of pollutant-containing water using black phosphorus blended polyethersulfone membranes (BP@PES). In *JOURNAL OF WATER PROCESS ENGINEERING* (Vol. 57, pp. 104581-).

- Nouasria, F. Z., Selloum, D., Mokrani, O. B. E., Fenniche, F., Tingry, S., Khane, Y., Henni, A., Belkhalifa, H., Dizge, N., Albukhaty, S., & Sulaiman, G. M. (2024). In-Depth Study of Chemically Electrodeposited Cuprous Oxide (Cu₂O) thin Films on ITO Glass. In *Plasmonics*.
- Bouras, H. D. B. D., Alterkaoui, A., Işık, Z., & Dizge, N. (2024). In-situ synthesis of iron nanoparticles using *Tamarix articulata* to reduce Cr (VI). In *International Journal of Environmental Studies* (pp. 1–14).
- Bouchareb, E. M., Derbal, K., Bedrib, R., Menasb, S., Bouchareb, R., & Dizge, N. (2024). Enhanced fermentative hydrogen production from potato waste by enzymatic pretreatment. In *ENVIRONMENTAL TECHNOLOGY* (Vol. 45, Issue 9, pp. 1–9).
- Yalçın, M. S., Özdemir, S., Prokopiuk, V., Prokopiuk, V., Virych, P., Onishchenko, A., Onishchenko, A., Tollu, G., Pavlenko, V., Pavlenko, V., Kutsevol, N., Kavok, N., Dizge, N., Tkachenko, A., & Ocakoğlu, K. (2024). Toxicity, Antibacterial, Antioxidant, Antidiabetic, and DNA Cleavage Effects of Dextran-Graft-Polyacrylamide/Zinc Oxide Nanosystems. In *CURRENT MICROBIOLOGY* (Vol. 81, Issue 12).
- Yıldırım, R., Özdemir, S., Tollu, G., Gülcan, M., Filiz, V., & Dizge, N. (2024). Investigation of antibacterial activity and polyethersulfone (PES) membrane usability of delafossite-type CuMnO₂ and CuMnO₂-NH₂ nanostructures. In *Colloid and Polymer Science* (Vol. 303, Issue 3, pp. 375–392).
- Eskikaya, O., Küçükosman, R., Ocakoğlu, K., Dizge, N., Balakrishnan, D., & Senthilkumar, N. (2024). The Usability of Polymer-Doped Black Phosphorus (BP@PVDF) as a Photocatalyst for Dye Removal in a Photocatalytic System. In *Topics in Catalysis*.
- Saleh, M., Salah, M., Alterkaoui, A., Özdemir, N. C., Arslan, H., Bilici, Z., & Dizge, N. (2024). Adsorption of phosphate ions and reactive red 180 from aqueous solution using thermally activated lemon peels waste. In *INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY* (Vol. 21, Issue 2, pp. 1683–1696).
- Nasir, A., Nasir, A., Saleh, M., Aminzai, M. T., Alary, R., Dizge, N., & Yabalak, E. (2024). Adverse effects of veterinary drugs, removal processes and mechanisms: A review. In *JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING* (Vol. 12, Issue 1, pp. 111880-).
- Eskikaya, B. O., Belibağlı, P., Bouchareb, R., Işık, Z., & Dizge, N. (2024). Use of welding powder as a low-cost adsorbent for waste motor oil removal. In *CLEAN-SOIL AIR WATER* (Vol. 52, Issue 3).
- Balakrishnan, D., Sharma, P., Bora, B. J., & Dizge, N. (2024). Harnessing biomass energy: Advancements through machine learning and AI applications for sustainability and efficiency. In *PROCESS SAFETY AND ENVIRONMENTAL PROTECTION* (Vol. 191, pp. 193–205).
- Belibağlı, P., Işık, Z., Dizge, N., Balakrishnan, D., Afzal, A. R., & Akram, M. (2024). Optimization of chromium (VI) reduction in aqueous solution using magnetic Fe₃O₄ sludge resulting from electrocoagulation process. In *PLOS ONE* (Vol. 19, Issue 12, pp. e0309607-).
- Ghasali, E., Dizge, N., Khataee, A. R., Khataee, A., Alterkaoui, A., Işık, Z., Özdemir, S., & Orooji, Y. (2024). Biofouling mitigation of Nb 2 AIC and Mo 3 AIC 2 MXene-precursors doped polyether sulfone mixed matrix membranes for pathogen microorganisms. In *SCIENCE OF THE TOTAL ENVIRONMENT* (Vol. 929, Issue 172189, pp. 172189-).
- Saleh, M., Ashqar, H. I., Alary, R., Bouchareb, E. M., Bouchareb, R., Dizge, N., & Balakrishnan, D. (2024). Biodiversity for ecosystem services and sustainable development goals. In *Biodiversity and Bioeconomy*.
- Belibağlı, P., Dogan, A. C., Doğan, A. C., Kaya, G., Dizge, N., Ocakoğlu, K., Özdemir, S., & Tollu, G. (2024). Antioxidant activity, DNA cleavage ability, and antibacterial properties of ceramic membrane coated with cobalt nanoparticles. In *Ceramics International* (Vol. 51, Issue 8, pp. 9660–9668).
- Şener, L., Özdemir, S., Yalçın, M. S., Gülcan, M., & Dizge, N. (2024). Antibacterial activity of copper-decorated CeO₂ nanoparticles and preparation of antifouling polyethersulfone surface. In *Heliyon* (Vol. 10, Issue 23, pp. e40818-).
- Tkachenko, A., Anton, T., Özdemir, S., Tollu, G., Dizge, N., Ocakoğlu, K., Prokopiuk, V., Onishchenko, A., Chumachenko, V., Virych, P., Pavlenko, V., Kutsvol, N., & Kutsevol, N. (2024). Antibacterial and antioxidant activity of gold and silver nanoparticles in dextran-polyacrylamide copolymers. In *BIOMETALS* (Vol. 37, Issue 1, pp. 115–130).
- Saleh, M., M'barek, I., & Dizge, N. (2024). Cellulose nanocrystal extraction from tissue paper wastes using different extraction methods and cellulose acetate production. In *International Journal of Environmental Studies* (Vol. 81, Issue 6, pp. 2735–2748).
- Bulut, H., Eskikaya, B. O., Belibağlı, P., Işık, Z., Işık, Z., Arslan, H., & Dizge, N. (2024). Reuse of waste welding powder in Fenton-like process for RO16 dye removal and Cr(VI) reduction. In *ENVIRONMENT DEVELOPMENT AND SUSTAINABILITY* (Vol. 26, Issue 11, pp. 28641–28661).
- Alterkaoui, A., Belibağlı, P., Gün, M., Işık, Z., Eskikaya, O., Eskikaya, B. O., Yabalak, E., & Dizge, N. (2024). A novel green approach for Cr(VI) removal: application of tomato stem-based hydrochar assisted Fenton-like process. In *CHEMISTRY AND ECOLOGY* (Vol. 40, Issue 3, pp. 1–17).

- Belibağlı, P., Akbay, H. E. G., Arslan, S., Mazmancı, B., Dizge, N., Senthilkumar, N., Balakrishnan, D., & Deepanraj, B. (2024). Enhanced biogas yield in anaerobic digestion of citric acid wastewater by pre-treatment: The effect of calcium hydroxide precipitation and electrocoagulation process. In *PROCESS SAFETY AND ENVIRONMENTAL PROTECTION* (Vol. 184, pp. 1344–1356).
- Kaya, G., Koc, E. O., Koç, E. Ö., Özdemir, S., Yalçın, M. S., Ocakoğlu, K., & Dizge, N. (2024). The Syntheses of Chromium Aluminum Carbide (Cr₂AlC) MAX Phase and Cr₂CTx MXene and Investigation of Their Antimicrobial Properties. In *APPLIED BIOCHEMISTRY AND BIOTECHNOLOGY* (Vol. 196, Issue 11, pp. 7747–7761).
- Alterkaoui, A., Eskikaya, B. O., Eskikaya, O., Işık, Z., Özdemir, S., Yalçın, M. S., & Dizge, N. (2024). Investigation of Antimicrobial Activity of Iron Oxide Nanoparticles (FeONPs) and Zinc Oxide Nanoparticles (ZnONPs) Produced with Aerial Part Extract of Cucumber. In *BIONANOSCIENCE* (Vol. 14, Issue 5, pp. 5297–5309).
- Dehghan, P., Dianat, M. J., Abbasi, M., Azari, A., Mofarahi, M., Dizge, N., & Sillanpää, M. (2024). Application of sodium dodecyl sulfate modified zeolite for effective adsorption of kinetic hydrate inhibitor compounds from aqueous solution. In *JOURNAL OF MOLECULAR LIQUIDS* (Vol. 402, pp. 124734-).
- Bouider, B., Rida, K., Alterkaoui, A., Işık, Z., & Dizge, N. (2024). Development of a new magnetic mesoporous activated carbon for the photocatalytic degradation of basic red 18 and reactive red 180 dyes under UVA radiation. In *REACTION KINETICS MECHANISMS AND CATALYSIS* (Vol. 137, Issue 4, pp. 2431–2449).
- Kaya, G., Eskikaya, O., Küçükosman, R., Ocakoğlu, K., Dizge, N., Balakrishnan, D., & Chohan, J. S. (2024). A comprehensive review on the usability of black phosphorus in energy and wastewater treatment. In *Gondwana Research*.
- Yabalak, E., Benmenine, A., Benmenine, A., Aljvanieh, M. G., Alterkaoui, A., Afzal, A. R., Balakrishnan, D., & Dizge, N. (2024). Synthesis of ZnO nanoparticles on the Zn plates recovered from waste batteries using eco-friendly methods and evaluation of its photocatalytic activity. In *ALEXANDRIA ENGINEERING JOURNAL* (Vol. 100, pp. 277–285).
- Işık, Z., Isik, Z., Saleh, M., M'barek, I., Yabalak, E., Dizge, N., Balakrishnan, D., & Deepanraj, B. (2024). Investigation of the adsorption performance of cationic and anionic dyes using hydrocharred waste human hair. In *BIOMASS CONVERSION AND BIOREFINERY* (Vol. 14, Issue 3, pp. 3715–3728).
- Benmenine, A., Saidat, M., Mecheri, R., Ghamri, A. N. E., Zennou, N., Saleh, M., & Dizge, N. (2024). Adsorption study of methylene blue dye using activated carbon prepared from waste palm fiber. In *ENVIRONMENTAL MONITORING AND ASSESSMENT* (Vol. 196, Issue 9).
- Ulusal, F., Bilici, Z., Özyay, Y., Özdemir, N., & Dizge, N. (2024). Synthesis of mesoporous magnetic Fe₃O₄ nanoparticles with different pore sizes and investigation of dye adsorption capacities. In *PARTICULATE SCIENCE AND TECHNOLOGY* (Vol. 42, Issue 5, pp. 1–11).
- Şen, A., Akarsu, C., Bilici, Z., Arslan, H., & Dizge, N. (2024). Treatment of tomato paste wastewater by electrochemical and membrane processes: process optimization and cost calculation. In *WATER SCIENCE AND TECHNOLOGY* (Vol. 89, Issue 7, pp. 1879–1890).
- Zare, J., Abbasi, M., Hashemifard, S. A., Dizge, N., Dibaj, M., & Akrami, M. (2024). Eco-Friendly Superhydrophobic Modification of Low-Cost Multi-Layer Composite Mullite Base Tubular Ceramic Membrane for Water Desalination. In *WATER* (Vol. 16, Issue 11, pp. 1593-).
- Hasnaoui, A., Chikhi, M., Balaska, F., Seraghi, W., Boussemghoune, M., & Dizge, N. (2024). Electrocoagulation employing recycled aluminum electrodes for methylene blue remediation. In *DESALINATION AND WATER TREATMENT* (Vol. 319, pp. 100453-).
- Özdemir, N. C., Bilici, Z., Saleh, M., Salah, M., & Dizge, N. (2024). Adsorption of phosphate ions and RBBR dye from aqueous solution using thermally activated mandarin peel waste. In *WATER PRACTICE AND TECHNOLOGY* (Vol. 19, Issue 1, pp. 170–180).
- Işık, Z., Çalışkan, B., Belibağlı, P., & Dizge, N. (2024). Investigation of optimum conditions for the recovery of magnesium ammonium phosphate from human urine using the Box-Behnken design. In *WATER PRACTICE AND TECHNOLOGY* (Vol. 19, Issue 8, pp. 3009–3021).
- Aliyev, E., Emmeler, T., Lillepaerg, J., Shishatskiy, S., Dizge, N., & Filiz, V. (2024). Two-Dimensional Nanoporous Cross-linked Polymer Networks as Emerging Candidates for Gas Adsorption. In *ACS OMEGA* (Vol. 9, Issue 13, pp. 15282–15293).
- Bouchareb, E. M., Derbal, K., Bedri, R., Slimani, K., Menas, S., Lazreg, H., Maaref, F., Ouabdelkader, S., Saheb, A., Bouaita, R., Bouchareb, R., & Dizge, N. (2024). Improving Biohydrogen Production by Dark Fermentation of Milk Processing Wastewater by Physicochemical and Enzymatic Pretreatments. In *APPLIED BIOCHEMISTRY AND BIOTECHNOLOGY* (Vol. 196, Issue 5, pp. 2741–2756).
- Işık, Z., & Dizge, N. (2024). Testing of various membranes for removal of chemical oxygen demand in real fresh human urine using a cross-flow filtration system. In *WATER SCIENCE AND TECHNOLOGY* (Vol. 90, Issue 8, pp. 2291–2303).

- Aouf, D., Khane, Y., Fenniche, F., Albukhaty, S., Sulaiman, G. M., Khane, S., Henni, A., Zoukel, A., Dizge, N., Mohammed, H. A., & Abomughaid, M. M. (2024). Biogenic silver nanoparticles of *Moringa oleifera* leaf extract: Characterization and photocatalytic application. In *NANOTECHNOLOGY REVIEWS* (Vol. 13, Issue 1).
- Rezaei, E., Jafari, B., Abbasi, M., Hashemifard, S. A., Osfour, S., Ramazani, M., Dizge, N., & Sillanpää, M. (2023). Hybridized microfiltration-Fenton system for the treatment of greywater. In *JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING* (Vol. 11, Issue 3, pp. 109725-).
- Acet, Ö., İnanan, T., Koç, E. Ö., Sert, B., Acet, B. Ö., Odabaşı, M., Ocakoğlu, K., & Dizge, N. (2023). Immobilization of Alpha-Amylase onto Ni²⁺ Attached Carbon Felt: Investigation of Kinetic Parameters from Potato Wastewater. In *STARCH-STARKE* (Vol. 75, Issues 11–12).
- Özdemir, N. C., Saleh, M., Salah, M., Bilici, Z., Arslan, H., & Dizge, N. (2023). Preparation of leonardite powder-embedded calcium alginate beads and adsorption of Safranin-O dye. In *WATER PRACTICE AND TECHNOLOGY* (Vol. 18, Issue 7, pp. 1711–1726).
- Giray, G., Gonca, S., Özdemir, S., Işık, Z., Yılmaz, E., Tilmaz, E., Soylak, M., Soylak, M., & Dizge, N. (2023). Novel extracellular synthesized silver nanoparticles using thermophilic *Anoxybacillus flavithermus* and *Geobacillus stearothermophilus* and their evaluation as nanodrugs. In *PREPARATIVE BIOCHEMISTRY & BIOTECHNOLOGY* (Vol. 54, Issue 3, pp. 1–13).
- Eskikaya, B. O., Eskikaya, O., Arslan, H., Gün, M., Bouchareb, R., & Dizge, N. (2023). Adsorption of Direct Orange 46 and phosphate ions on waste tomato stem ash used as a bio-based adsorbent. In *ENVIRONMENTAL PROGRESS & SUSTAINABLE ENERGY* (Vol. 42, Issue 6).
- Işık, Z., Işık, Z., Bouchareb, R., Arslan, H., Özdemir, S., Gonca, S., Gonca, S., Dizge, N., Balakrishnan, D., Deepanraj, B., & Prasad, S. V. S. (2023). Green synthesis of iron oxide nanoparticles derived from water and methanol extract of *Centaurea solstitialis* leaves and tested for antimicrobial activity and dye decolorization capability. In *ENVIRONMENTAL RESEARCH* (Vol. 219, Issue 115072, pp. 115072-).
- Eskikaya, O., Özdemir, S., Gonca, S., Dizge, N., Balakrishnan, D., Shaik, F., & Senthilkumar, N. (2023). A comparative study of iron nanoflower and nanocube in terms of antibacterial properties. In *Springer Science and Business Media LLC* (Vol. 13, Issue 8, pp. 5421–5433).
- Özdemir, S., DüNDAR, A., Dizge, N., Kılınç, E., Balakrishnan, D., Prasad, K. S., & Senthilkumar, N. (2023). Preconcentrations of Pb(II), Ni(II) and Zn(II) by solid phase bio-extractor using thermophilic *Bacillus subtilis* loaded multiwalled carbon nanotube biosorbent. In *CHEMOSPHERE* (Vol. 317, pp. 137840-).
- Öcal, Z. B., Karagündüz, A., Keskinler, B., Dizge, N., & Ashqar, H. I. (2023). Investigation of reusability of effluents from an organized industrial zone wastewater treatment plant using a pressure-driven membrane process. In *WATER REUSE* (Vol. 13, Issue 4, pp. 559–570).
- Arslan, H., Koç, E. Ö., Özay, Y., Canlı, O., Canlı, O., Özdemir, S., Canlı, O., Tollu, G., & Dizge, N. (2023). Antimicrobial and antioxidant activity of phenolic extracts from walnut (*Juglans regia* L.) green husk by using pressure-driven membrane process. In *JOURNAL OF FOOD SCIENCE AND TECHNOLOGY-MYSORE* (Vol. 60, Issue 1, pp. 73–83).
- Sert, B., Kaya, G., Özay, Y., Alterkaoui, A., Ocakoğlu, K., & Dizge, N. (2023). Synthesis of PES membranes modified with polyurethane-paraffin wax nanocapsules and performance of bovine serum albumin and humic acid rejection. In *WATER SCIENCE AND TECHNOLOGY* (Vol. 88, Issue 6, pp. 1417–1427).
- Akarsu, C., Özdemir, S., Özay, Y., Acer, Ö., & Dizge, N. (2023). Investigation of two different size microplastic degradation ability of thermophilic bacteria using polyethylene polymers. In *ENVIRONMENTAL TECHNOLOGY* (Vol. 44, Issue 24, pp. 3710–3720).
- M'barek, I., Gün, M., Moussaoui, Y., Moussaoui, Y., Arslan, H., & Dizge, N. (2023). Adsorption studies of cationic Safranin and anionic Remazol Brilliant Blue R dyes onto *Tamarix aphylla*'s stem. In *INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY* (Vol. 20, Issue 5, pp. 4839–4850).
- Belibağlı, P., Işık, Z., Işık, Z., Bouras, H. D., Bouras, H. D., Arslan, H., & Dizge, N. (2023). A combined process of chemical precipitation and aerobic membrane bioreactor for treatment of citric acid wastewater. In *JOURNAL OF ENVIRONMENTAL MANAGEMENT* (Vol. 342, Issue 118259, pp. 118259-).
- Arslan, H., Gün, M., Akarsu, C., Bilici, Z., & Dizge, N. (2023). Treatment of turnip juice wastewater by electrocoagulation/electroflotation and electrooxidation with aluminum, iron, boron-doped diamond, and graphite electrodes. In *INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY* (Vol. 20, Issue 1, pp. 53–62).
- Yiğit, B., Özay, Y., Emen, F. M., Kutlu, E., Ocakoğlu, K., & Dizge, N. (2023). Development of Ruthenium Oxide Modified Polyethersulfone Membranes for Improvement of Antifouling Performance Including Decomposition Kinetic of Polymer. In *JOURNAL*

-
- Eskikaya, O., Eskikaya, B. O., Işık, Z., Isik, Z., Arslantas, C., Yabalak, E., Balakrishnan, D., Dizge, N., & Rao, K. S. (2023). Preparation of hydrochar bio-based catalyst for fenton process in dye-containing wastewater treatment. In ENVIRONMENTAL RESEARCH (Vol. 216, pp. 114357-).
-
- Ordu, Z., Belibağlı, P., Yalvaç, M., Arslan, H., & Dizge, N. (2023). Optimization of water removal from oil by eggplant stems using response surface methodology. In GREEN MATERIALS (pp. 1–9).
-
- Alterkaoui, A., Belibağlı, P., Gün, M., Işık, Z., Dizge, N., & Yabalak, E. (2023). Hydrothermal Synthesis of Waste Black Tea Pulp and Tomato Stem Hydrochars and Comparison of Their Adsorption Performance of Safranin Dye. In WATER AIR AND SOIL POLLUTION (Vol. 234, Issue 12).
-
- Belibağlı, P., Işık, Z., Dizge, N., Mazmancı, M. A., Balakrishnan, D., Deepanraj, B., Shaik, F., & Mishra, N. K. (2023). Optimization of the anaerobic fermentation process for phosphate release using food waste. In ENVIRONMENTAL RESEARCH (Vol. 225, pp. 115498–8).
-
- Küçükosman, R., Işık, Z., Ocakoğlu, K., Dizge, N., Özdemir, S., Yalçın, M. S., Prabhakar, S., Sharma, P., & Balakrishnan, D. (2023). Boron-based magnesium diboride nanosheets preparation and tested for antimicrobial properties for PES membrane. In Elsevier BV (Vol. 339, pp. 139340-).
-
- Yıldırım, R., Eskikaya, O., Keskinler, B., Karagündüz, A., Dizge, N., & Balakrishnan, D. (2023). Fabric dyeing wastewater treatment and salt recovery using a pilot scale system consisted of graphite electrodes based on electrooxidation and nanofiltration. In ENVIRONMENTAL RESEARCH (Vol. 234, pp. 116283-).
-
- Gözüaıcık, B. Ç., Ulutug, F. C., Denizli, A., Dizge, N., Karagündüz, A., & Keskinler, B. (2023). Simultaneous production of Poly(3-hydroxybutyrate-co-3-hydroxyvalerate) from recovered volatile fatty acid with treatment of leachate by Pilot-Scale Mechanical Vapor Recompression. In Elsevier BV (Vol. 388, pp. 129743-).
-
- Özdemir, N. C., Bilici, Z., Yabalak, E., Dizge, N., Balakrishnan, D., Khoo, K. S., & Show, P. L. (2023). Physico-chemical adsorption of cationic dyes using adsorbent synthesis via hydrochloric acid treatment and subcritical method from palm leaf biomass waste. In Elsevier BV (Vol. 339, pp. 139558-).
-
- Gonca, S., Polat, B., Özyay, Y., Küçükara, İ., Özdemir, S., Atmaca, H., & Dizge, N. (2023). Investigation of diode laser effect on inactivation of Gram negative bacteria, Gram positive bacteria and yeast and its disinfection. In Environmental Technology (Vol. 44, Issue 9, pp. 1238–1250).
-
- Aouf, D., Henni, A., Selloum, D., Khane, Y., Fenniche, F., Zerrouki, D., Belkhalifa, H., & Dizge, N. (2023). Facile preparation and characterization of nanostructured ZnS/PbS heterojunction thin films for enhanced microbial inhibition and photocatalytic degradation. In MATERIALS CHEMISTRY AND PHYSICS (Vol. 295, pp. 127059-).
-
- Sohrabi, H., Ghasemzadeh, S., Ghoreishi, Z., Majidi, M. R., Yoon, Y., Dizge, N., & Khataee, A. (2023). Metal-organic frameworks (MOF)-based sensors for detection of toxic gases: A review of current status and future prospects. In MATERIALS CHEMISTRY AND PHYSICS (Vol. 299, pp. 127512-).
-
- Bouras, H. D., Hadj Daoud, B., Bouras, N., Bouras, N., Alterkaoui, A., Işık, Z., Gonca, S., Özdemir, S., & Dizge, N. (2023). Biosynthesis of Silver Nanoparticles Using Saccharothrix algeriensis and Preparation of Antifouling PES Membranes. In WATER AIR AND SOIL POLLUTION (Vol. 234, Issue 7, pp. 457-).
-
- Belibağlı, P., Saleh, M., Işık, Z., Işık, Z., Arslan, H., Belibağlı, P., Arslan, H., Gonca, S., Özdemir, S., Kudaibergenov, N., Khataee, A., Dizge, N., & Khataee, A. (2023). Fabrication of Ag nanoparticles coated leonardite basalt ceramic membrane with improved antimicrobial properties for DNA cleavage, E. coli removal and antibiofilm effects. In JOURNAL OF INDUSTRIAL AND ENGINEERING CHEMISTRY (Vol. 128, pp. 532–541).
-
- Sert, B., Bilici, Z., Ocakoğlu, K., Dizge, N., Rad, T. S., & Khataee, A. (2023). Preparation of S-Scheme g-C₃N₄/ZnO Heterojunction Composite for Highly Efficient Photocatalytic Destruction of Refractory Organic Pollutant. In CATALYSTS (Vol. 13, Issue 3, pp. 485-).
-
- Arslan, H., Eskikaya, O., Eskikaya, B. O., Bilici, Z., Dizge, N., Balakrishnan, D., & Bouchareb, R. (2022). Comparison of Cr(VI) adsorption and photocatalytic reduction efficiency using leonardite powder. In CHEMOSPHERE (Vol. 300, pp. 134492–10).
-
- Alterkaoui, A., Eskikaya, O., Eskikaya, B. O., Gün, M., Yabalak, E., Arslan, H., & Dizge, N. (2022). Production of Waste Tomato Stem Hydrochar (TS-HC) in Subcritical Water Medium and Application in Real Textile Wastewater using Photocatalytic Treatment System. In INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH (Vol. 16, Issue 6).
-
- Özdemir, S., Akarsu, C., Acer, Ö., Fouillaud, M., Dufossé, L., & Dizge, N. (2022). Isolation of Thermophilic Bacteria and Investigation of Their Microplastic Degradation Ability Using Polyethylene Polymers. In MICROORGANISMS (Vol. 10, Issue 12, pp. 2441-).
-

- Saleh, M., Işık, Z., Isik, Z., Işık, Z., Arslan, H., Yalvaç, M., & Dizge, N. (2022). Adsorption of Phosphate Ions from Aqueous Solutions using Marble, Pumice, and Basalt Triple Combination. In *WATER AIR AND SOIL POLLUTION* (Vol. 233, Issue 6, pp. 5–16).
- Yabalak, E., Işık, Z., & Dizge, N. (2022). Catalytic efficiency, mechanism and characterization of hydrolysed waste eggshell in the subcritical water oxidation of pistachio processing wastewater. In *JOURNAL OF ENVIRONMENTAL MANAGEMENT* (Vol. 317, pp. 115326-).
- Isik, Z., Bouchareb, R., Saleh, M., & Dizge, N. (2022). Iron Oxide Particles Loaded Activated Carbon Cloth and Comparison of Adsorption and Fenton Reaction for Efficient Cationic and Anionic Dyes Removal. In *WATER AIR AND SOIL POLLUTION* (Vol. 233, Issue 5).
- Turgunbayer, Ö. D., Tolan, V., Gonca, S., Özdemir, S., Kılınç, E., & Dizge, N. (2022). Synthesis and Characterization of a Polydioxanone-Coated Dipeptide-Functionalized Magnetic γ -Fe₂O₃ Nanoparticles-Modified PES Membrane and Its Biological Applications. In *CATALYSTS* (Vol. 12, Issue 10, pp. 1261-).
- Saleh, M., Yalvaç, M., Yalvac, M., Arslan, H., & Dizge, N. (2022). Investigation of Basalt Properties as Heterogeneous Catalyst for Fenton Oxidation of Textile Wastewater. In *CLEAN-SOIL AIR WATER* (Vol. 50, Issue 1, pp. 1–11).
- Belibağlı, P., Işık, Z., Özdemir, S., Gonca, S., Dizge, N., Awasthi, M. K., Balakrishnan, D., & Balakrishnan, B. (2022). An integrated process for wet scrubber wastewater treatment using electrooxidation and pressure-driven membrane filtration. In *CHEMOSPHERE* (Vol. 308, pp. 136216-).
- Bilici, Z., Saleh, M., Yabalak, E., Khataee, A., & Dizge, N. (2022). The effect of different types of AOPs supported by hydrogen peroxide on the decolorization of methylene blue and viscose fibers dyeing wastewater. In *WATER SCIENCE AND TECHNOLOGY* (Vol. 85, Issue 1, pp. 77–89).
- Polat, B., Özyay, Y., Küçükara, İ., & Dizge, N. (2022). A new method for membrane manufacturing from polyamide with semiconductor diode laser. In *JOURNAL OF MEMBRANE SCIENCE* (Vol. 641, pp. 119807-).
- Akarsu, C., Bilici, Z., & Dizge, N. (2022). Treatment of vegetable oil wastewater by a conventional activated sludge process coupled with electrocoagulation process. In *WATER ENVIRONMENT RESEARCH* (Vol. 94, Issue 2).
- Gonca, S., Özdemir, S., Tekgul, A., Ünlü, C. G., Ocakoğlu, K., & Dizge, N. (2022). Synthesis and characterization of perovskite type of La_{1-x}BaxMnO₃ nanoparticles with investigation of biological activity. In *ADVANCED POWDER TECHNOLOGY* (Vol. 33, Issue 1, pp. 103346-).
- M'barek, I., Işık, Z., Özyay, Y., Özdemir, S., Tollu, G., Moussaoui, Y., & Dizge, N. (2022). Nanocellulose synthesis from Tamarix aphylla and preparation of hybrid nanocellulose composites membranes with investigation of antioxidant and antibacterial effects. In *SEPARATION AND PURIFICATION TECHNOLOGY* (Vol. 292, pp. 120815-).
- Eskikaya, O., Gün, M., Bouchareb, R., Bilici, Z., Dizge, N., Ramaraj, R., & Balakrishnan, D. (2022). Photocatalytic activity of calcined chicken eggshells for Safranin and Reactive Red 180 decolorization. In *CHEMOSPHERE* (Vol. 304, pp. 135210-).
- Arslan, H., Saleh, M., Bilici, Z., & Dizge, N. (2022). Leonardite powder as an efficient adsorbent for cationic and anionic dyes. In *WATER ENVIRONMENT RESEARCH* (Vol. 94, Issue 5, pp. 1–16).
- Yefimova, S., Klochkov, V., Kavok, N., Tkachenko, A., Onishchenko, A., Dizge, N., Chumachenko, T., Özdemir, S., Gonca, S., & Ocakoğlu, K. (2022). Antimicrobial activity and cytotoxicity study of cerium oxide nanoparticles with two different sizes. In *JOURNAL OF BIOMEDICAL MATERIALS RESEARCH PART B-APPLIED BIOMATERIALS* (Vol. 111, Issue 4, pp. 872–880).
- Bouchareb, R., Isik, Z., Özyay, Y., Karagündüz, A., Keskinler, B., & Dizge, N. (2022). A hybrid process for leachate wastewater treatment: Evaporation and reverse osmosis/sequencing batch reactor. In *WATER ENVIRONMENT RESEARCH* (Vol. 94, Issue 4).
- Gonca, S., Yefimova, S., Yefimova, S., Dizge, N., Tkachenko, A., Özdemir, S., Prokopiuk, V., Klochkov, V., Kavok, N., Onishchenko, A., Maksimchuk, P., Butov, D., & Ocakoğlu, K. (2022). Antimicrobial Effects of Nanostructured Rare-Earth-Based Orthovanadates. In *CURRENT MICROBIOLOGY* (Vol. 79, Issue 9).
- Arslantaş, C., M'barek, I., M'barek, I., Saleh, M., Işık, Z., Isik, Z., Özdemir, S., Dündar, A., & Dizge, N. (2022). Basic Red 18 and Remazol Brilliant Blue R biosorption using *Russula Brevipes*, *Agaricus Augustus*, *Fomes Fomentarius*. In *WATER PRACTICE AND TECHNOLOGY* (Vol. 17, Issue 3, pp. 749–762).
- Gonca, S., Özdemir, S., Işık, Z., M'barek, I., Shaik, F., Dizge, N., & Balakrishnan, D. (2022). Synthesis of silver nanoparticles from red and green parts of the pistachio hulls and their various in-vitro biological activities. In *FOOD AND CHEMICAL TOXICOLOGY* (Vol. 165, pp. 113170-).

- Akbay, H. E. G., Gülşen, H. E., Dizge, N., & Kumbur, H. (2022). Evaluation of electro-oxidation and Fenton pretreatments on industrial fruit waste and municipal sewage sludge to enhance biogas production by anaerobic co-digestion. In JOURNAL OF ENVIRONMENTAL MANAGEMENT (Vol. 319, pp. 115711-).
- Belibağlı, P., Işık, Z., Mazmancı, M. A., & Dizge, N. (2022). Phosphate recovery from waste fish bones ash by acidic leaching method and iron phosphate production using electrocoagulation method. In JOURNAL OF CLEANER PRODUCTION (Vol. 373, pp. 133499-).
- Akbay, H. E. G., Gülşen, H. E., Akarsu, C., Işık, Z., Belibağlı, P., & Dizge, N. (2022). Investigation of degradation potential of polyethylene microplastics in anaerobic digestion process using cosmetics industry wastewater. In BIOCHEMICAL ENGINEERING JOURNAL (Vol. 187, pp. 108619-).
- Khane, Y., Benouis, K., Albukhaty, S., Sulaiman, G. M., Abomughaid, M. M., Ali, A. A., Aouf, D., Fenniche, F., Khane, S., Chaibi, W., Henni, A., Bouras, H. D. B. D., & Dizge, N. (2022). Green Synthesis of Silver Nanoparticles Using Aqueous Citrus limon Zest Extract: Characterization and Evaluation of Their Antioxidant and Antimicrobial Properties. In NANOMATERIALS (Vol. 12, Issue 12, pp. 2013-).
- Polat, B., Bilici, Z., Ozay, Y., Küçükara, İ., & Dizge, N. (2022). Photocatalytic Decolorization of BR18 and RR180 Dyes by Semiconductor Diode Laser Using CuO for Wastewater Treatment. In WATER AIR AND SOIL POLLUTION (Vol. 233, Issue 8).
- Özyay, Y., & Dizge, N. (2022). The effect of pre-treatment methods on membrane flux, COD, and total phenol removal efficiencies for membrane treatment of pistachio wastewater. In JOURNAL OF ENVIRONMENTAL MANAGEMENT (Vol. 310, pp. 114762-).
- Arslan, H., Bouchareb, R., Arian, E. B., & Dizge, N. (2022). Iron-loaded leonardite powder for Fenton oxidation of Reactive Red 180 dye removal. In ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH (Vol. 29, Issue 51, pp. 77071–77080).
- Bouchareb, R., Derbal, K., Özyay, Y., Niboucha, C., Bouti, M., Bouchareb, E. M., & Dizge, N. (2022). Application of nanotechnology in anaerobic digestion for biohydrogen production improvement from natural coagulation/flocculation sludge using metallic oxide nanoparticles. In ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS (Vol. 44, Issue 3, pp. 8184–8197).
- Yabalak, E., Al-Nuaimy, M. N., Al-Nuaimy, M. N. M., Saleh, M., Işık, Z., Isik, Z., Dizge, N., Balakrishnan, D., & Balakrishnan, D. (2022). Catalytic efficiency of raw and hydrolyzed eggshell in the oxidation of crystal violet and dye bathing wastewater by thermally activated peroxide oxidation method. In ENVIRONMENTAL RESEARCH (Vol. 212, pp. 113210-).
- Gün, M., Arslan, H., Yalvaç, M., Saleh, M., & Dizge, N. (2022). Optimization of Silica Extraction from Rice Husk Using Response Surface Methodology and Adsorption of Safranin Dye. In INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH (Vol. 16, Issue 2).
- Arslan, H., Gonca, S., Gonca, S., Işık, Z., Işık, Z., Özdemir, S., Yalvaç, M., Deepanraj, B., Dizge, N., & Ashraf, G. A. (2022). Iron Oxide Nanoparticles Synthesis From Vermicomposting Leachate and its Antioxidant Activities. In FRONTIERS IN MATERIALS (Vol. 9, pp. 1–11).
- Özyay, Y., Alterkaoui, A., Kahya, K., Özdemir, S., Gonca, S., Dizge, N., Ocakoğlu, K., & Külekci, M. K. (2022). Antifouling and antibacterial performance evaluation of polyethersulfone membranes modified with AZ63 alloy. In WATER SCIENCE AND TECHNOLOGY (Vol. 87, Issue 7, pp. 1616–1629).
- Eskikaya, O., Özdemir, S., Tollu, G., Dizge, N., Ramaraj, R., Manivannan, A., & Balakrishnan, D. (2022). Synthesis of two different zinc oxide nanoflowers and comparison of antioxidant and photocatalytic activity. In CHEMOSPHERE (Vol. 306, pp. 135389-).
- Akbay, H. E. G., Akbay, H. E. G., Deniz, F., Mazmancı, M. A., Deepanraj, B., & Dizge, N. (2022). Investigation of anaerobic degradability and biogas production of the starch and industrial sewage mixtures. In SUSTAINABLE ENERGY TECHNOLOGIES AND ASSESSMENTS (Vol. 52, pp. 102054-).
- Bouchareb, R., Bilici, Z., & Dizge, N. (2022). Water recovery from yarn fabric dyeing wastewater using electrochemical oxidation and membrane processes. In WATER ENVIRONMENT RESEARCH (Vol. 94, Issue 1).
- Küçükosman, R., Işık, Z., Özdemir, S., Gonca, S., Ocakoğlu, K., & Dizge, N. (2022). Synthesis of Rhombic Dodecahedral Cuprous Oxide Nanoparticles and Investigation of Biological Activity. In BIONANOSCIENCE (Vol. 12, Issue 3, pp. 804–813).
- Eskikaya, B. O., Eskikaya, O., Arslan, H., Özdemir, S., Gonca, S., Gonca, S., & Dizge, N. (2022). Investigation of the Effect of Sintering of Waste Welding Powder on Antioxidant and Antimicrobial Activity. In WATER AIR AND SOIL POLLUTION (Vol. 233, Issue 12).
- Bouras, H. D., Redayeddou, A., Chergui, A., Favier, L., Amrane, A., & Dizge, N. (2021). Biosorption of cationic and anionic dyes using the biomass of *Aspergillus parasiticus* CBS 100926^T. In WATER SCIENCE AND TECHNOLOGY (Vol. 83, Issue 3, pp. 622–630).
- Saleh, M., Bilici, Z., Kaya, M., Yalvaç, M., Yalvac, M., Arslan, H., Yatmaz, H. C., & Dizge, N. (2021). The use of basalt powder as a natural heterogeneous catalyst in the Fenton and Photo-Fenton oxidation of cationic dyes. In ADVANCED POWDER TECHNOLOGY (Vol. 32, Issue 4, pp. 1264–1275).

- Saleh, M., Işık, Z., Aktaş, Y., Arslan, H., Yalvaç, M., & Dizge, N. (2021). Green synthesis of zero valent iron nanoparticles using *Verbascum thapsus* and its Cr (VI) reduction activity. In *Bioresource Technology Reports* (Vol. 13, Issue 100637, pp. 100637–7).
- Bouchareb, E. M., Derbal, K., Arikian, E. B., Işık, Z., & Dizge, N. (2021). Production of bio-hydrogen from bulgur processing industry wastewater. In *Energy Sources, Part A: Recovery, Utilization, and Environmental Effects* (pp. 1–14).
- Işık, Z., Saleh, M., Bilici, Z., & Dizge, N. (2021). Remazol Brilliant Blue R (RBBR) dye and phosphate adsorption by calcium alginate beads modified with polyethyleneimine. In *WATER ENVIRONMENT RESEARCH* (Vol. 93, Issue 11, pp. 2780–2794).
- Saleh, M., Işık, Z., Yabalak, E., Yalvaç, M., Yalvac, M., & Dizge, N. (2021). Green production of hydrochar nut group from waste materials in subcritical water medium and investigation of their adsorption performance for crystal violet. In *WATER ENVIRONMENT RESEARCH* (Vol. 93, Issue 12, pp. 3075–3089).
- Gözüaçık, B. Ç., Ergenekon, S. M., Unal, B. O., Balçık, Ç., Karagunduz, A., Dizge, N., & Keskinler, B. (2021). Efficient removal of ammoniacal nitrogen from textile printing wastewater by electrooxidation considering the effects of NaCl and NaOCl addition. In *WATER SCIENCE AND TECHNOLOGY* (Vol. 84, Issue 3, pp. 752–762).
- Işık, Z., Saleh, M., & Dizge, N. (2021). Adsorption studies of ammonia and phosphate ions onto calcium alginate beads. In *SURFACES AND INTERFACES* (Vol. 26, pp. 101330-).
- Sert, B., Özyay, Y., Harputlu, E., Özdemir, S., Yalçın, M. S., Ocakoğlu, K., & Dizge, N. (2021). Improvement in performance of g-C₃N₄ nanosheets blended PES ultrafiltration membranes including biological properties. In *COLLOIDS AND SURFACES A- PHYSICOCHEMICAL AND ENGINEERING ASPECTS* (Vol. 623, Issue 111869, pp. 126571-).
- Dizge, N., Özyay, Y., Boussemghoune, M., & Chikhi, M. (2021). Preparation of catalytic polyether sulfone coated ceramic membrane for reduction of hexavalent chromium. In *JOURNAL OF WATER PROCESS ENGINEERING* (Vol. 40, pp. 101946-).
- Gonca, S., Polat, B., Bilici, Z., Özyay, Y., Özdemir, S., Ozay, Y., Küçükkara, İ., Atmaca, H., & Dizge, N. (2021). Investigation of diode laser effect on the inactivation of selected Gram-negative bacteria, Gram-positive bacteria and yeast and its disinfection on wastewater and natural milk. In *ENVIRONMENTAL TECHNOLOGY* (Vol. 44, Issue 9, pp. 1238–1250).
- Sarghein, V. V., Mansourpanah, Y., Khadem, S. S. M., Zinadini, S., Dizge, N., Ganjali, M. R., Mirsadeghi, S., Rezapour, M., Saeb, M. R., & Karimi-Male, H. (2021). Nanostructured polyethersulfone nanocomposite membranes for dual protein and dye separation: Lower antifouling with lanthanum (III) vanadate nanosheets as a novel nanofiller. In *POLYMER TESTING* (Vol. 94, pp. 107040-).
- Bilici, Z., Özyay, Y., Yüzer, A., Ocakoğlu, M. İ., Ocakoğlu, K., & Dizge, N. (2021). Fabrication and characterization of polyethersulfone membranes functionalized with zinc phthalocyanines embedding different substitute groups. In *COLLOIDS AND SURFACES A- PHYSICOCHEMICAL AND ENGINEERING ASPECTS* (Vol. 617, pp. 126288-).
- Bilici, Z., Bouchareb, R., Saçak, T., Yatmaz, H. C., & Dizge, N. (2021). Recycling of TiO₂-containing waste and utilization by photocatalytic degradation of a reactive dye solution. In *WATER SCIENCE AND TECHNOLOGY* (Vol. 83, Issue 5, pp. 1242–1249).
- Saleh, M., Arslan, H., Işık, Z., Yalvaç, M., & Dizge, N. (2021). The Use of *Verbascum Thapsus* L as a Biomembrane for Activated Sludge Filtration. In *Maad Rayan Publishing Company* (Vol. 8, Issue 2, pp. 102–109).
- Bouchareb, R., Bilici, Z., & Dizge, N. (2021). Potato Processing Wastewater Treatment Using a Combined Process of Chemical Coagulation and Membrane Filtration. In *CLEAN-SOIL AIR WATER* (Vol. 49, Issue 11).
- Sert, B., Gonca, S., Özyay, Y., Harputlu, E., Özdemir, S., Ocakoğlu, K., & Dizge, N. (2021). Investigation of the antifouling properties of polyethersulfone ultrafiltration membranes by blending of boron nitride quantum dots. In *COLLOIDS AND SURFACES B- BIOINTERFACES* (Vol. 205, Issue 111869, pp. 111867-).
- Sarghein, V. V., Khadem, S. S. M., Dehqan, A., Al-Naqshabandi, M. A., Ganjali, M. R., Hassani, S. S., Rashid, M. R., Saeb, M. R., & Dizge, N. (2021). Efficient removal of dyes and proteins by nitrogen-doped porous graphene blended polyethersulfone nanocomposite membranes. In *CHEMOSPHERE* (Vol. 263, pp. 127892-).
- Saleh, M., Karakuş, D. D., Demir, D., Özyay, Y., Yalvaç, M., Yalvac, M., Bölgen, N., Karagülle, N., & Dizge, N. (2021). Fabrication of basalt embedded composite fiber membrane using electrospinning method and response surface methodology. In *JOURNAL OF APPLIED POLYMER SCIENCE* (Vol. 138, Issue 25, pp. 1–15).
- Özyay, Y., Özdemir, S., Gonca, S., Canlı, O., & Dizge, N. (2021). Phenolic compounds recovery from pistachio hull using pressure-driven membrane process and a cleaner production of biopesticide. In *ENVIRONMENTAL TECHNOLOGY & INNOVATION* (Vol. 24, Issue 101993, pp. 101993-).
- Unal, B. O., Dizge, N., Keskinler, B., & Karagunduz, A. (2021). Can electro-cleaning solve the problem of membrane biofouling for membrane bioreactor? In *DESALINATION AND WATER TREATMENT* (Vol. 211, pp. 382–390).

-
- Uğur, N., Bilici, Z., Ocakoğlu, K., & Dizge, N. (2021). Synthesis and characterization of composite catalysts comprised of ZnO/MoS₂/rGO for photocatalytic decolorization of BR 18 dye. In COLLOIDS AND SURFACES A-PHYSICO-CHEMICAL AND ENGINEERING ASPECTS (Vol. 626, pp. 126945-).
-
- Özyay, Y., Yabalak, E., & Dizge, N. (2021). Effects of hydrogen peroxide, temperature and treatment time on degradation properties of polyethersulfone ultrafiltration membrane. In TURKISH JOURNAL OF CHEMISTRY (Vol. 46, Issue 1, pp. 206–216).
-
- Saleh, M., Yıldırım, R., Işık, Z., Karagunduz, A., Keskinler, B., & Dizge, N. (2021). Optimization of the electrochemical oxidation of textile wastewater by graphite electrodes by response surface methodology and artificial neural network. In WATER SCIENCE AND TECHNOLOGY (Vol. 84, Issue 5, pp. 1245–1256).
-
- Saleh, M., Bilici, Z., Özyay, Y., Yabalak, E., Yalvac, M., Yalvaç, M., & Dizge, N. (2021). Green synthesis of Quercus coccifera hydrochar in subcritical water medium and evaluation of its adsorption performance for BR18 dye. In WATER SCIENCE AND TECHNOLOGY (Vol. 83, Issue 3, pp. 701–714).
-
- Gonca, S., Özdemir, S., Yefimova, S., Tkachenko, A., Onishchenko, A., Klochov, V., Kavok, N., Maksimchuk, P., Dizge, N., & Ocakoğlu, K. (2021). Experimental confirmation of antimicrobial effects of GdVO₄:Eu³⁺ nanoparticles. In DRUG DEVELOPMENT AND INDUSTRIAL PHARMACY (Vol. 47, Issue 12, pp. 1966–1974).
-
- Yabalak, E., Özyay, Y., Sargheir, V. V., Vatanpour, V., & Dizge, N. (2021). Membrane concentrate management for textile wastewater with thermally activated persulfate oxidation method. In WATER AND ENVIRONMENT JOURNAL (Vol. 35, Issue 4, pp. 1281–1292).
-
- Ocakoğlu, K., Dizge, N., Çolak, S. G., Çolak, S. g., Özyay, Y., Bilici, Z., Yalçın, M. S., Özdemir, S., & Yatmaz, H. C. (2021). Polyethersulfone membranes modified with CZTS nanoparticles for protein and dye separation: Improvement of antifouling and self-cleaning performance. In COLLOIDS AND SURFACES A-PHYSICO-CHEMICAL AND ENGINEERING ASPECTS (Vol. 616, Issue 126230, pp. 126230-).
-
- Özyay, Y., Canlı, O., Ünal, B. Ö., Unal, B. O., Keskinler, B., & Dizge, N. (2021). Investigation of plasticizer production industry wastewater treatability using pressure-driven membrane process. In WATER SUPPLY (Vol. 21, Issue 5, pp. 1994–2007).
-
- Bilici, Z., Güler, P., Özyay, Y., Yılmaz, S., Yatmaz, H. C., & Dizge, N. (2021). Photocatalytic activity of (Er₂O₃)_x(Yb₂O₃)_y(Bi₂O₃)_{1-x-y} ternary compounds used as heterogeneous semiconductor. In MATERIALS SCIENCE AND ENGINEERING B-ADVANCED FUNCTIONAL SOLID-STATE MATERIALS (Vol. 271, pp. 115250-).
-
- Gonca, S., Gonca, S., Arslan, H., Işık, Z., Işık, Z., Özdemir, S., & Dizge, N. (2021). The surface modification of ultrafiltration membrane with silver nanoparticles using Verbascum thapsus leaf extract using green synthesis phenomena. In SURFACES AND INTERFACES (Vol. 26, pp. 101291-).
-
- Bilici, Z., Özyay, Y., Unal, B. O., & Dizge, N. (2021). Investigation of the usage potential of calcium alginate beads functionalized with sodium dodecyl sulfate for wastewater treatment contaminated with waste motor oil. In WATER ENVIRONMENT RESEARCH (Vol. 93, Issue 11, pp. 2623–2636).
-
- Bouchareb, R., Derbal, K., Yelfouf, A., Diaf, D. B., Bouchareb, E. M., & Dizge, N. (2021). Effective Treatment of Chocolate Industry Effluent Using Waste from Biocosmetic Industry. In CLEAN \u002013 Soil, Air, Water (Vol. 49, Issue 12).
-
- Saleh, M., Gonca, S., Işık, Z., Özyay, Y., Harputlu, E., Özdemir, S., Yalvaç, M., Yalvac, M., Ocakoğlu, K., & Dizge, N. (2021). Preparation of ZnO nanorods or SiO₂ nanoparticles grafted onto basalt ceramic membrane and the use for E. coli removal from water. In CERAMICS INTERNATIONAL (Vol. 47, Issue 19, pp. 27710–27717).
-
- Işık, Z., Bouchareb, R., Saleh, M., & Dizge, N. (2021). Investigation of sesame processing wastewater treatment with combined electrochemical and membrane processes. In WATER SCIENCE AND TECHNOLOGY (Vol. 84, Issues 10–11, pp. 2652–2660).
-
- Yabalak, E., Özyay, Y., Gizir, A. M., & Dizge, N. (2021). Water recovery from textile bath wastewater using combined subcritical water oxidation and nanofiltration. In JOURNAL OF CLEANER PRODUCTION (Vol. 290, Issue 25, pp. 125207–125210).
-
- Gülşen, H. E., Dizge, N., & Kumbur, H. (2021). Enhancing biogas production of anaerobic co-digestion of industrial waste and municipal sewage sludge with mechanical, chemical, thermal, and hybrid pretreatment. In BIORESOURCE TECHNOLOGY (Vol. 340, pp. 125688-).
-
- Saleh, M., Özyay, Y., Yalvac, M., & Dizge, N. (2021). Preparation of composite polyethersulfone membrane containing basalt powder and optimization of the parameters using response surface methodology. In ENVIRONMENTAL TECHNOLOGY (Vol. 43, Issue 22, pp. 3486–3496).
-
- Bouchareb, R., Derbal, K., Özyay, Y., Bilici, Z., & Dizge, N. (2020). Combined natural/chemical coagulation and membrane filtration for wood processing wastewater treatment. In Journal of Water Process Engineering (Vol. 37, pp. 101521-).
-

- Boussemghoune, M., Chikhi, M., Özyay, Y., Guler, P., Ozbey, U. B., & Dizge, N. (2020). The Investigation of Organic Binder Effect on Morphological Structure of Ceramic Membrane Support. In *Symmetry-Basel* (Vol. 12, Issue 5, pp. 770-).
- Polat, B., Polat, B., Özyay, Y., Ozay, Y., Bilici, Z., Kucukkara, İ., Küçükara, İ., & Dizge, N. (2020). Membrane modification with semiconductor diode laser to reduce membrane biofouling for external MBR system and modelling study. In *Separation and Purification Technology* (Vol. 241, pp. 116747-).
- Özyay, Y., Işık, Z., & Dizge, N. (2020). Acetic acid and methanol recovery from dimethyl terephthalate process wastewater using pressure membrane and membrane distillation processes. In *JOURNAL OF WATER PROCESS ENGINEERING* (Vol. 38, pp. 101532-).
- Boussemghoune, M., Chikhi, M., Balaska, F., Özyay, Y., Dizge, N., & Kebabi, B. (2020). Preparation of a Zirconia-Based Ceramic Membrane and Its Application for Drinking Water Treatment. In *Symmetry-Basel* (Vol. 12, Issue 6, pp. 933-).
- Arikan, E. B., Özyay, Y., Ünal, B. Ö., Vatanpour, V., & Dizge, N. (2020). Treatability of household waste plastic garbage bag recycling industry wastewater with membrane. In *MEMBRANE AND WATER TREATMENT* (Vol. 11, Issue 6, pp. 375–382).
- Güler, P., Bilici, Z., Özyay, Y., Yılmaz, S., Yatmaz, H. C., & Dizge, N. (2020). Synthesis and characterization of bismuth oxide ternary compounds for photocatalytic decolorization of BR 18. In *Materials Letters* (Vol. 275, pp. 128086-).
- Işık, Z., Arikan, E. B., Özyay, Y., Bouras, H. D., & Dizge, N. (2020). Electrocoagulation and electrooxidation pre-treatment effect on fungal treatment of pistachio processing wastewater. In *CHEMOSPHERE* (Vol. 244, pp. 125383-).
- Boussemghoune, M., Mustapha, C., Özyay, Y., & Dizge, N. (2020). Preparation of multilayer polyelectrolyte ceramic membrane for water disinfection. In *WATER SUPPLY* (Vol. 20, Issue 8, pp. 3207–3215).
- Arikan, E. B., Işık, Z., Bouras, H. D., & Dizge, N. (2019). Investigation of immobilized filamentous fungi for treatment of real textile industry wastewater using up flow packed bed bioreactor. In *Bioresource Technology Reports* (Vol. 7, pp. 100197-).
- Dizge, N., Shaulsky, E., & Karanikola, V. (2019). Electrospun cellulose nanofibers for superhydrophobic and oleophobic membranes. In *Journal of Membrane Science* (Vol. 590, pp. 117271-).
- Unal, B. O., Dizge, N., Karagunduz, A., & Keskinler, B. (2019). Combined electrocoagulation and electrooxidation process in electro membrane bioreactor to improve membrane filtration effectiveness. In *Bioresource Technology Reports* (Vol. 7, pp. 100237-).
- Zucker, I., Dizge, N., Fausey, C., Shaulsky, E., Sun, M., & Elimelech, M. (2019). Electrospun silica nanofiber mats functionalized with ceria nanoparticles for water decontamination. In *JOURNAL OF THE AMERICAN CHEMICAL SOCIETY* (Vol. 9, Issue 34, pp. 19408–19417).
- Bouras, H. D., Işık, Z., Arikan, E. B., Bouras, N., Chergui, A., Yatmaz, H. C., & Dizge, N. (2019). Photocatalytic oxidation of azo dye solutions by impregnation of ZnO on fungi. In *Biochemical Engineering Journal* (Vol. 146, pp. 150–159).
- Bilici, Z., Işık, Z., Aktaş, Y., Yatmaz, H. C., & Dizge, N. (2019). Photocatalytic effect of zinc oxide and magnetite entrapped calcium alginate beads for azo dye and hexavalent chromium removal from solutions. In *Journal of Water Process Engineering* (Vol. 31, pp. 100826-).
- Işık, Z., Bilici, Z., Adigüzel, S. K., Adigüzel, S. K., Yatmaz, H. C., Yatmaz, H. C., & Dizge, N. (2019). Entrapment of TiO₂ and ZnO powders in alginate beads: Photocatalytic and reuse efficiencies for dye solutions and toxicity effect for DNA damage. In *Environmental Technology Innovation* (Vol. 14, pp. 100358-).
- Unal, B. O., Bilici, Z., Ugur, N., Işık, Z., Harputlu, E., Dizge, N., & Ocakoglu, K. (2019). Adsorption and Fenton oxidation of azo dyes by magnetite nanoparticles deposited on a glass substrate. In *Journal of Water Process Engineering* (Vol. 32, pp. 100897-).
- Nadeem, K., Guyer, G. T., Keskinler, B., & Dizge, N. (2019). Investigation of segregated wastewater streams reusability with membrane process for textile industry. In *Journal of Cleaner Production* (Vol. 228, pp. 1437–1445).
- Naik, N. S., Padaki, M., Deon, S., Karunakaran, G., Dizge, N., & Saxena, M. (2019). The efficient mixed matrix antifouling membrane for surfactant stabilized oil-in-water nanoemulsion separation. In *Journal of Water Process Engineering* (Vol. 32, pp. 100959-).
- Dizge, N., Unal, B. O., Arikan, E. B., Karagunduz, A., & Keskinler, B. (2019). Recent progress and developments in membrane materials for microbial electrochemistry technologies: A review. In *Bioresource Technology Reports* (Vol. 8, pp. 100308-).
- Işık, Z., Arikan, E. B., Bouras, H. D., & Dizge, N. (2019). Bioactive ultrafiltration membrane manufactured from *Aspergillus carbonarius* M333 filamentous fungi for treatment of real textile wastewater. In *Bioresource Technology Reports* (Vol. 5, pp. 212–219).
- Unal, B. O., Canbolat, C. B., Dizge, N., & Keskinler, B. (2018). Treatability studies on optimizing coagulant type and dosage in combined coagulation/membrane processes for table olive processing wastewater. In *Journal of water process engineering* (Vol. 26,

- Dizge, N., Epsztein, R., Cheng, W., Porter, C. J., & Elimelech, M. (2018). Biocatalytic and salt selective multilayer polyelectrolyte nanofiltration membrane. In *JOURNAL OF MEMBRANE SCIENCE* (Vol. 549, pp. 357–365).
- Epsztein, R., Shaulsky, E., Dizge, N., Warsinger, D. M., & Elimelech, M. (2018). Role of Ionic Charge Density in Donnan Exclusion of Monovalent Anions by Nanofiltration. In *ENVIRONMENTAL SCIENCE TECHNOLOGY* (Vol. 52, Issue 7, pp. 4108–4116).
- Epsztein, R., Cheng, W., Shaulsky, E., Dizge, N., & Elimelech, M. (2018). Elucidating the mechanisms underlying the difference between chloride and nitrate rejection in nanofiltration. In *JOURNAL OF MEMBRANE SCIENCE* (Vol. 548, pp. 694–701).
- Dizge, N., Akarsu, C., Özay, Y., Gülşen, H. E., Gülşen, H. E., Adıgüzel, S. K., Adıgüzel, S. K., Mazmancı, M. A., & Mazmancı, A. M. (2018). Sono-assisted electrocoagulation and cross-flow membrane processes for brewery wastewater treatment. In *Journal of Water Process Engineering* (Vol. 21, pp. 52–60).
- Ünyayar, A., & Dizge, N. (2018). Filtration and Antibacterial Properties of Bacterial Cellulose Membranes for Textile Wastewater Treatment. In *Avicenna Journal of Environmental Health Engineering* (Vol. 5, Issue 2, pp. 106–114).
- Özay, Y., Ünşar, E. K., Unsar, E. K., Işık, Z., Yılmaz, F., Yılmaz, F., Dizge, N., Perendeci, N. A., Perendeci, N. A., Mazmancı, A. M., Mazmancı, M. A., Yalvac, M., & Yalvac, M. (2018). Optimization of electrocoagulation process and combination of anaerobic digestion for the treatment of pistachio processing wastewater. In *JOURNAL OF CLEANER PRODUCTION* (Vol. 196, pp. 42–50).
- Demirkol, G. T., Dizge, N., Acar, T. O., Salmanli, O. M., & Tufekci, N. (2017). Influence of nanoparticles on filterability of fruit-juice industry wastewater using submerged membrane bioreactor. In *Water Science and Technology* (Vol. 76, Issue 3, pp. 705–711).
- Yatmaz, H. C., Dizge, N., & Kurt, M. S. (2017). Combination of photocatalytic and membrane distillation hybrid processes for reactive dyes treatment. In *Environmental Technology* (Vol. 38, Issue 21, pp. 2743–2751).
- Ateş, H., Özay, Y., & Dizge, N. (2017). Treatment of Dairy Industry Cleaning-in-Place Wastewater by Electrocoagulation Supported with Immersed Membrane Process. In *CLEAN - Soil, Air, Water* (Vol. 45, Issue 11, pp. 1600654-).
- Aktas, D., Aktas, D., Dizge, N., Yatmaz, H. C., Çalışkan, Y., Caliskan, Y., Özay, Y., Ozay, Y., Çaputçu, A., & Caputcu, A. (2017). The adsorption and Fenton behavior of iron rich Terra Rosa soil for removal of aqueous anthraquinone dye solutions: kinetic and thermodynamic studies. In *Water Science and Technology* (Vol. 76, Issue 11, pp. 3114–3125).
- Nadeem, K., Guyer, G. T., & Dizge, N. (2017). Polishing of biologically treated textile wastewater through AOPs and recycling for wet processing. In *Journal of Water Process Engineering* (Vol. 20, pp. 29–39).
- Tansel, B., Dizge, N., & Tansel, I. N. (2017). Analysis of high resolution flux data to characterize fouling profiles of membranes with different MWCO under different filtration modes. In *Separation and Purification Technology* (Vol. 173, pp. 200–208).
- Dizge, N., Özay, Y., Şimşek, U. B., Simsek, U. B., Simsek, U. B., Gülşen, H. E., Gulsen, H. E., Akarsu, C., Turabik, M., Ünyayar, A., Unyayar, A., Ocakoglu, K., & Ocakoğlu, K. (2017). Preparation, characterization and comparison of antibacterial property of polyethersulfone composite membrane containing zerovalent iron or magnetite nanoparticles. In *Membrane Water Treatment* (Vol. 8, Issue 1, pp. 51–71).
- Dizge, N., Gonuldas, H., Özay, Y., Ateş, H., Ocakoglu, K., Ocakoğlu, K., Harputlu, E., Yıldırımcan, S., Yildirimcan, S., Unyayar, A., & Ünyayar, A. (2016). Synthesis and performance of antifouling and self-cleaning polyethersulfone/graphene oxide composite membrane functionalized with photoactive semiconductor catalyst. In *Water Science and Technology* (Vol. 75, Issue 3, pp. 670–685).
- Tezcanli, G. G., Kashif, N., & Dizge, N. (2016). Recycling of pad batch washing textile wastewater through advanced oxidation processes and its reusability assessment for Turkish textile industry. In *Journal of Cleaner Production* (Vol. 139, pp. 488–494).
- Deveci, E. Ü., Dizge, N., Yatmaz, C. H., & Aytepe, Y. (2016). Integrated process of fungal membrane bioreactor and photocatalytic membrane reactor for the treatment of industrial textile wastewater. In *Biochemical Engineering Journal* (Vol. 105, pp. 420–427).
- Ateş, H., Dizge, N., & Yatmaz, H. C. (2016). Combined process of electrocoagulation and photocatalytic degradation for the treatment of olive washing wastewater. In *Water Science and Technology* (Vol. 75, Issue 1, pp. 141–154).
- Deveci, E. Ü., Dizge, N., Yatmaz, H. C., & Tansel, B. (2016). Degradation of Recalcitrant Textile Dyes by Coupling Fungal and Photocatalytic Membrane Reactors. In *CLEAN - Soil, Air, Water* (Vol. 44, Issue 10, pp. 1345–1351).
- Balcik-Canbolat, C., Ozbey, B., Dizge, N., & Keskinler, B. (2016). Pyrolysis of commingled waste textile fibers in a batch reactor: Analysis of the pyrolysis gases and solid product. In *International Journal of Green Energy* (Vol. 14, Issue 3, pp. 289–294).

- Akarsu, C., Özyay, Y., Dizge, N., Gülşen, H. E., Gulsen, H. E., Ates, H., Ateş, H., Gozmen, B., Sönmez, B. G., & Turabik, M. (2016). Electrocoagulation and nanofiltration integrated process application in purification of bilge water using response surface methodology. In *Water Science and Technology* (Vol. 74, Issue 3, pp. 564–579).
- Khaligh, S. S., Yagci, N., Balcik, C., Ozbey, B., Keskinler, B., Olmez-Hanci, T., Dizge, N., Orhon, D., & Sozen, S. (2016). Particle size distribution analysis of chemically enhanced two-phase membrane filtration for olive mill effluents. In *Journal of Chemical Technology Biotechnology* (Vol. 92, Issue 4, pp. 749–756).
- Özyay, Y., Dizge, N., Gülşen, H. E., Gulsen, H. E., Akarsu, C., Harputlu, E., Özer, E., Ozer, E., Unyayar, A., Ünyayar, A., Ocakoğlu, K., & Ocakoglu, K. (2016). Investigation of Electroactive and Antibacterial Properties of Polyethersulfone Membranes Blended With Copper Nanoparticles. In *CLEAN - Soil, Air, Water* (Vol. 44, Issue 8, pp. 930–937).
- Doruk, N., Yatmaz, H. C., & Dizge, N. (2015). Degradation efficiency of textile and wood processing industry wastewater by photocatalytic process using in situ ultrafiltration membrane. In *CLEAN - Soil, Air, Water* (Vol. 44, Issue 3, pp. 224–231).
- Karaalp, D., Doruk, N., Dizge, N., Keskinler, B., & Azbar, N. (2015). A Novel Solution for Biogas Applications in Poultry Industry CLAMBS approach. In *Journal of Bioprocessing & Biotechniques* (Vol. 05, Issue 02).
- Basaran, G., Kavak, D., Dizge, N., Asci, Y., Solener, M., & Ozbey, B. (2015). Comparative study of the removal of nickel II and chromium VI heavy metals from metal plating wastewater by two nanofiltration membranes. In *Desalination and Water Treatment* (Vol. 57, Issue 46, pp. 21870–21880).
- Durmazpinar, S., İlhan, N., Demir, G., Insel, H. G., Dizge, N., Ergenekon, P., Erhan, E., & Keskinler, B. (2014). Biological NOx removal by denitrification process in a jet loop bioreactor system performance and model development. In *Environmental Technology* (Vol. 35, Issue 11, pp. 1358–1366).
- Kayaalp, N., Kinaci, C., Dizge, N., & Hamidi, N. (2014). Correlation of Filtration Resistance with Microbial Polymeric Substances Extracted from Membranes in a Submerged Membrane Bioreactor. In *CLEAN-Soil Air Water* (Vol. 42, Issue 12, pp. 1712–1720).
- Dizge, N. (2014). Performance evaluation of cross flow membrane system for wastewater reuse from the wood panels industry. In *Environmental Technology* (Vol. 35, Issue 6, pp. 681–690).
- Yucel, Y., Demir, C., Dizge, N., & Keskinler, B. (2014). Methods for Lipase Immobilization and Their Use for Biodiesel Production from Vegetable Oil. In *Energy Sources Part A-Recovery Utilization and Environmental Effects* (Vol. 36, Issue 11, pp. 1203–1211).
- Kaya, Y., Ersan, G., Vergili, I., Gonder, Z. B., Yılmaz, G., Dizge, N., & Aydinler, C. (2013). The treatment of pharmaceutical wastewater using in a submerged membrane bioreactor under different sludge retention times. In *Journal of Membrane Science* (Vol. 442, pp. 72–82).
- Akar, N., Berrin, A., Dizge, N., & Koyuncu, İ. (2013). Investigation of characterization and biofouling properties of PES membrane containing selenium and copper nanoparticles. In *Journal of Membrane Science* (Vol. 437, pp. 216–226).
- Dizge, N., Koseogluimer, D. Y., Karagunduz, A., & Keskinler, B. (2013). Effect of sludge retention time on membrane bio fouling using different type and pore size of membranes in a submerged membrane bioreactor. In *Water Science & Technology* (Vol. 67, Issue 3, pp. 604–611).
- Aydinler, C., Topcu, S., Tortop, C., Kuvvet, F., Ekinci, D., Dizge, N., & Keskinler, B. (2013). A novel implementation of water recovery from whey forward reverse osmosis integrated membrane system. In *Desalination and Water Treatment*.
- Insel, G., Dagdar, M., Dogruel, S., Dizge, N., Cokgor, E. U., & Keskinler, B. (2013). Biodegradation characteristics and size fractionation of landfill leachate for integrated membrane treatment. In *Journal of Hazardous Materials* (Vol. 260, pp. 825–832).
- Kose, B., Ozgun, H., Ersahin, M. E., Dizge, N., Koseogluimer, D. Y., Atay, B., Kaya, R., & Altınbas, M. (2012). Performance evaluation of a submerged membrane bioreactor for the treatment of brackish oil and natural gas field produced water. In *Desalination* (Vol. 285, pp. 295–300).
- Koseogluimer, D., Dizge, N., & Koyuncu, İ. (2012). Enzymatic activation of cellulose acetate membrane for reducing of protein fouling. In *Colloids and Surfaces B: Biointerfaces* (Vol. 92, pp. 334–339).
- Ondul, E., Dizge, N., & Albayrak, N. (2012). Immobilization of *Candida antarctica* A and *Thermomyces lanuginosus* lipases on cotton terry cloth fibrils using polyethyleneimine. In *Colloids and Surfaces B: Biointerfaces* (Vol. 95, pp. 109–114).
- Kurt, E., Koseogluimer, D. Y., Dizge, N., Shankar, C., & Koyuncu, İ. (2012). Pilot scale evaluation of nanofiltration and reverse osmosis for process reuse of segregated textile dyewash wastewater. In *Desalination* (Vol. 302, pp. 24–32).

- Koseoglu-Imer, D. Y., Dizge, N., Karagunduz, A., & Keskinler, B. (2011). Influence of membrane fouling reducers MFRs on filterability of disperse mixed liquor of Jet Loop Bioreactors. In *Bioresource Technology* (Vol. 102, Issue 13, pp. 6843–6849).
- Tansel, B., & Dizge, N. (2011). Competitive effects and interactions during sorption of SMP fractions on activated carbon Response surface approach for visualization of sorption profiles. In *Journal of Environmental Management* (Vol. 92, Issue 3, pp. 596–602).
- Yücel, Y., Demir, C., Dizge, N., & Keskinler, B. (2011). Lipase immobilization and production of fatty acid methyl esters from canola oil using immobilized lipase. In *Biomass and Bioenergy* (Vol. 35, Issue 4, pp. 1496–1501).
- Dizge, N., Tansel, B., & Sizerici, B. (2011). Process intensification with a hybrid system A tubular packed bed bioreactor with immobilized activated sludge culture coupled with membrane filtration. In *Chemical Engineering and Processing: Process Intensification* (Vol. 50, Issue 8, pp. 766–772).
- Tansel, B., & Dizge, N. (2011). Multi objective performance analysis of nanofiltration process to loading parameters by response surface approach. In *Desalination* (Vol. 272, Issues 1–3, pp. 164–169).
- Dizge, N., Soydemir, G., Karagunduz, A., & Keskinler, B. (2011). Influence of type and pore size of membranes on cross flow microfiltration of biological suspension. In *Journal of Membrane Science* (Vol. 366, Issues 1–2, pp. 278–285).
- Dizge, N., Koseoglu-Imer, D. Y., Karagunduz, A., & Keskinler, B. (2011). Effects of cationic polyelectrolyte on filterability and fouling reduction of submerged membrane bioreactor MBR. In *Journal of Membrane Science* (Vol. 377, Issues 1–2, pp. 175–181).
- Dizge, N., & Tansel, B. (2011). Multiparametric investigation of competitive and noncompetitive sorption characteristics of SMP fractions carbohydrate and protein on activated carbon. In *Journal of Hazardous Materials* (Vol. 185, Issues 2–3, pp. 996–1004).
- Dizge, N., & Tansel, B. (2010). External mass transfer analysis for simultaneous removal of carbohydrate and protein by immobilized activated sludge culture in a packed bed batch bioreactor. In *Journal of Hazardous Materials* (Vol. 184, Issues 1–3, pp. 671–677).
- Dizge, N., Keskinler, B., & Bulusi, B. (2009). Sorption of Ni II ions from aqueous solution by Lewatit cation exchange resin. In *Journal of Hazardous Materials* (Vol. 167, Issues 1–3, pp. 915–926).
- Demirbas, E., Dizge, N., Topcu, M., & Kobya, M. (2009). Adsorption kinetics and equilibrium of copper from aqueous solutions using hazelnut shell activated carbon. In *Chemical Engineering Journal* (Vol. 148, Issues 2–3, pp. 480–487).
- Dizge, N., Coskun, A., Y, I. D., Bayramoglu, M., Tanriseven, A., & Keskinler, B. (2009). Biodiesel production from sunflower soybean and waste cooking oils by transesterification using lipase immobilized onto a novel microporous polymer. In *Bioresource Technology* (Vol. 100, Issue 6, pp. 1983–1991).
- Dizge, N., Demirbas, E., & Kobya, M. (2009). Removal of thiocyanate from aqueous solutions by ion exchange. In *Journal of Hazardous Materials* (Vol. 166, Issues 2–3, pp. 1367–1376).
- Dizge, N., Keskinler, B., & Aziz, T. (2009). Biodiesel production from canola oil by using lipase immobilized onto hydrophobic microporous styrene divinylbenzene copolymer. In *Biochemical Engineering Journal* (Vol. 44, Issues 2–3, pp. 220–225).
- Dizge, N., Kara, S., Aydinler, C., Demirbas, E., & Kobya, M. (2008). Adsorption of reactive dyes from aqueous solutions by fly ash Kinetic and equilibrium studies. In *Journal of Hazardous Materials* (Vol. 150, Issue 3, pp. 737–746).
- Dizge, N., Keskinler, B., & Aziz, T. (2008). Covalent attachment of microbial lipase onto microporous styrene divinylbenzene copolymer by means of polyglutaraldehyde. In *Colloids and Surfaces B: Biointerfaces* (Vol. 66, Issue 1, pp. 34–38).
- Dizge, N., Günaydin, O., Yılmaz, F., & Tanriseven, A. (2008). Immobilization of invertase onto poly 3 methylthienyl methacrylate poly 3 thiopheneacetic acid matrix. In *Biochemical Engineering Journal* (Vol. 40, Issue 1, pp. 64–71).
- Dizge, N., & Keskinler, B. (2008). Enzymatic production of biodiesel from canola oil using immobilized lipase. In *Biomass and Bioenergy* (Vol. 32, Issue 12, pp. 1274–1278).
- Kara, S., Aydinler, C., Demirbas, E., Kobya, M., & Dizge, N. (2007). Modeling the effects of adsorbent dose and particle size on the adsorption of reactive textile dyes by fly ash. In *Desalination* (Vol. 212, Issues 1–3, pp. 282–293).

B. Uluslararası bilimsel toplantılarda sunulan ve bildiri kitaplarında (proceedings) basılan bildiriler (17)

- Alterkaoui, A., Belibağlı, P., Arslan, H., Dizge, N., & Balakrishnan, D. (2023). Calcium Oxide (CaO) Catalyst Production from Waste Cucumber Stems and Investigation of Production Potential in Biodiesel. In *The 6th International Conference on Alternative Fuels, Energy & Environment (ICAFEE 2023): Future and Challenges*.

- Belibağlı, P., Akbay, H. E. G., Dizge, N., & Balakrishnan, D. (2023). Enhanced Biogas Yield in Anaerobic Digestion of Citric Acid Wastewater by Pre-Treatment. In The 6th International Conference on Alternative Fuels, Energy & Environment (ICAFAEE 2023): Future and Challenges.
- Işık, Z., Alterkaoui, A., & Dizge, N. (2022). Reducing COD content in human urine collected at various periods using cross-flow filter technology. In International Congress on Separation and Purification Technology.
- Gün, M., Arslan, H., Saleh, M., Yalvaç, M., & Dizge, N. (2021). OPTİMİZATION OF SİLİCA EXTRACTION FROM RICE HUSK USING RESPONSE SURFACE METHODOLOGY AND ADSORPTION OF SAFRANIN DYE. In 14.th National Environmental Engineering Congress (pp. 223–234).
- Işık, Z., Arslantaş, C., Özdemir, S., Gonca, S., Dizge, N., & Arslan, H. (2021). Green Synthesis of Iron Nanoparticles Using Centaurea solstitialis and Dye Remove Activity. In 14.th National Environmental Engineering Congress (pp. 30–34).
- Işık, Z., Bezirhan, E., Özay, Y., & Dizge, N. (2019). ANTEP FISTIĞI İŞLEME TESİSİ ATIKSULARININ FUNGAL ARITIMINA ELEKTROKİMYASAL ÖN ARITIMININ ETKİSİNİN ARAŞTIRILMASI. In 13.ULUSAL 1.ULUSLARARASI ÇEVRE MÜHENDİSLİĞİ KONGRESİ (pp. 355–362).
- Bilici, Z., Özay, Y., & Dizge, N. (2019). Investigation of Plastic Recycling Plant Wastewater Reusability using Membrane Process. In 6th MEMTEK International Symposium on Membrane Technologies and Applications (pp. 502–503).
- Bilici, Z., Özay, Y., Karagündüz, A., Keskinler, B., & Dizge, N. (2019). Pilot-scale dual-stage ultrafiltration polymeric MBR and subsequent RO system for textile wastewater treatment and reusability of wastewater for dyeing process. In 6th MEMTEK International Symposium on Membrane Technologies and Applications (pp. 496–497).
- Saçak, T., Köseoğlu, D., Dizge, N., Keskinler, B., & Karagunduz, A. (2019). TiO₂ KULLANILARAK SENTEZLENEN POLİSÜLFON MEMBRANLARINATIKSUDAN BOYA GİDERİMİ VE YÜZEY TEMİZLEME ÖZELLİKLERİNİNARAŞTIRILMASI. In 13.Ulusal 1.Uluslararası Çevre Mühendisliği Kongresi (pp. 203–207).
- Özay, Y., Işık, Z., Boussmghoune, M., Chikhi, M., & Dizge, N. (2019). Electrocoagulation and nanofiltration integrated process application in purification of pistachio processing wastewater. In 6th MEMTEK International Symposium on Membrane Technologies and Applications (pp. 163–168).
- Uyar, F., Erdemir, A., Işık, Z., Dizge, N., & Keskinler, B. (2018). Çöp sızıntı suyu ön arıtımının membran performansı üzerine etkilerinin incelenmesi. In 1.ULUSLARARASI İÇMESUYU ve ATIKSU SEMPOZYUMU.
- Demirdöğen, R. E., Emen, F. M., Dizge, N., Ocakoğlu, K., Sağlam, H., Işık, Z., Kılıç, D., Karaçolak, A. İ., Yıldırım, Z., & Avşar, G. (2018). Preparation and Characterization of Cellulose Acetate –Layered Double Hydroxide- Arsenazo III Composites and Their Usage in Heavy Metal Removal from Aqueous Media. In International Chemistry and Biology Conference 18.
- Porter, C. J., Dizge, N., Epsztein, R., Cheng, W., & Elimelech, M. (2018). Layer-By-Layer Assembled Biocatalytic and Salt Selective Nanofiltration Membrane. In North American Membrane Society.
- Dizge, N., Yatmaz, H. C., & Kurt, S. M. (2016). INTEGRATION OF PHOTOCATALYTIC AND MEMBRANE DISTILLATIONHYBRID PROCESSES FOR TEXTILE WASTEWATER TREATMENT. In ICOEST: International Conference on Environmental Science and Technology.
- Deveci, E. Ü., Dizge, N., Yatmaz, H. C., & Aytepe, Y. (2015). Degradation of synthetic textile dyes using fungal bioreactor and photocatalytic reactor. In INTERNATIONAL CONFERENCE ON CIVIL AND ENVIRONMENTAL ENGINEERING.
- Kara, H., Topkafa, M., Ayyıldız, H. F., Kobya, M., Dizge, N., & Demir, A. (2015). Characterization of fatty acid composition of some selected cold pressed seed oils grown in Turkey by gas chromatography. In 13th Euro Fed Lipid Congress.
- Akbay, H. E. G., Dizge, N., & Kumbur, H. (2014). Meyve Suyu Konsantresi İşletmesi Katı Atıklarından Biyogaz Üretim Veriminin Araştırılması. In 2nd International Symposium on Environment and Morality (Vol. 1, pp. 103–111).

C. Yazılan Ulusal/ Uluslararası kitaplar veya kitaplarda bölümler (4)

- bezirhan arikan ezgi, Esmâ, M. B., Raouf, B., NEVİN, Y., & NADİR, D. (2021). Innovative Technologies Adopted for the Production of Bioplastics at Industrial Level. In Bioplastics for Sustainable Development. Springer, Singapore.
- ozbey unal bahar, bezirhan arikan ezgi, Kumar, P., & NADİR, D. (2021). Applications of Bio-Electrochemical Systems in Heavy Metal Removal and Recovery. In Bioelectrochemical Systems: Vol.2 Current and Emerging Applications. Springer, Singapore.

• HALİL, H., ÖZGE, H., İSMAİL, K., Yuksel, I. D., Ahmet, K., GÜÇLÜ, İ. H., NADİR, D., Cumali, K., Ergun, Y., Özgü, Y. N., kitis mehmet, BÜLENT, K., & karaduman özgür. (2015). Tasarım, İşletme ve Bakım. In Su ve Atıksu Arıtımında Membran Biyoreaktörlerin Esasları ve Uygulamaları. Nobel Akademik Yayıncılık Eğitim Danışmanlık Tic. Ltd. Şti.

• EDA, Ö., NADİR, D., BÜLENT, K., & NEDİM, A. (2015). Biocatalytic Production of Biodiesel from Vegetable Oils. In Biofuels Status and Perspective. Intech.

D. Ulusal hakemli dergilerde yayınlanan makaleler (1)

• Gülşen, H. E., Akarsu, C., Türkay, G. K., Koyuncu, T. G., Kumbur, H., Dizge, N., & Kumbur, H. (2018). ÇEŞİTLİ ATIKLARDAN BİYOGAZ ÜRETİMİNİN SÜRDÜRÜLEBİLİR ÇEVRE YÖNETİMİNE ETKİSİ. In ÇEVRE BİLİM VE TEKNOLOJİ (Vol. 3, Issue 2, pp. 1–15).

E. Ulusal bilimsel toplantılarda sunulan ve bildiri kitabında basılan bildiriler (8)

• Işık, Z., Yıldırım, R., Saleh, M., Karagunduz, A., Keskinler, B., & Dizge, N. (2021). Yanıt Yüzey Metodolojisi ve Yapay Sinir Ağı ile Tekstil Atık Sularının Grafit Elektrotlarla Elektrokimyasal Oksidasyonunun Optimizasyonu. In 14.th National Environmental Engineering Congress.

• Işık, Z., Arslantaş, C., Özdemir, S., Gonca, S., & Dizge, N. (2021). Biosorption of Remazol Brilliant Blue R (RBBR) and Basic Red 18 (BR18) Using Dead Fungi Biomass Agaricus augustus and Russula brevipes. In 14.th National Environmental Engineering Congress.

• Işık, Z., Özay, Y., Bilici, Z., Dizge, N., Yalvaç, M., & Mazmancı, M. A. (2017). Antep Fıstığı İşleme Tesisi Atıksularının Membran Prosesler ile arıtım Performansının İncelenmesi. In 5. Ulusal Membran Teknolojileri ve Uygulamaları Sempozyumu.

• Işık, Z., Özay, Y., Dizge, N., Yalvaç, M., Mazmancı, M. A., & Perendeci, N. A. (2017). Antep Fıstığı İşleme Tesisi Atıksularının Elektrokimyasal Oksidasyon Prosesi İle Arıtım Performansının İncelenmesi. In 12.Ulusal Çevre Mühendisliği Kongresi.

• Akarsu, C., Gülşen, H. E., Türkay, G. K., Kumbur, H., & Dizge, N. (2015). Yeşil Kimya ve Çevre Mühendisliği Uygulamaları. In 11.Ulusal Çevre Mühendisliği Kongresi (Vol. 2, pp. 110–122).

• Özay, Y., & Dizge, N. (2015). Membran Distilasyon Sistemleri ve Çevre Mühendisliği Alanındaki Uygulamaları. In 11.ULUSAL ÇEVRE MÜHENDİSLİĞİ KONGRESİ.

• Gülşen, H. E., Türkay, G. K., Akarsu, C., Kumbur, H., & Dizge, N. (2015). Çeşitli Atıklardan Biyogaz Üretiminin Sürdürülebilir Çevre Yönetimine Etkisi. In 11.Ulusal Çevre Mühendisliği Kongresi (Vol. 2, pp. 425–439).

• Dizge, N., Kumbur, H., Özer, Z., & Özsoy, H. D. (2002). Kent Bilgi Sisteminin Yerel Yönetimlere Uygulanması Davutpe Belediyesi Örneği. In Balıkesir Üniversitesi, IV. Mühendislik-Mimarlık Sempozyumu.

Projeler

B. Ulusal Projeler (22)

• Ekonomik Büyüme Ve Sürdürülebilir Çevre İçin Atık Çözümlerden Lityum Ve Fosfat Geri Kazanımı, Düşük Maliyetli Li-Iyon Batarya Teknolojilerine Yönelik Lityum Demir Fosfat Üretimi Ve Batarya Performanslarının Test Edilmesi, -Tübitak 1001, Yürütücü, 01.04.2023 -

• Bütüncül Bir Arıtma Yaklaşımıyla Sızıntı Sularından Katma Değeri Yüksek Biyopolimer ve Biyokompozit Eldesi ve Sürdürülebilir Arıtım Teknolojisinin Geliştirilmesi, -Tübitak 1001, Araştırmacı, 15.03.2022 - 15.09.2024

• İleri Osmoz Membran Destekli Yeni Nesil Elektro-Osmotik Membran Biyoreaktör İle İnsan İdrarından Sıvı Ve Katı Gübre Üretim Potansiyelinin Araştırılması, -Tübitak 1001, Yürütücü, 01.04.2021 - 01.04.2024

• Orta-Büyük Ölçekli Sanayi Tesislerinin Çevreye Yönelik Kaynak Tüketiminin ve Atıklarının Azaltılması, Kalkınma Bakanlığı, Araştırmacı, 18.09.2018 - 19.06.2021

• Süt Endüstrisi Atıksularından Katma Değeri Yüksek Pas Proteini ve Süksinik Asit Üretimi ile Enerji ve Su Kazanımı için Entegre Proses Geliştirilmesi, -Tübitak 1003, Araştırmacı, 15.09.2017 - 15.02.2021

• Yüzey Aktif Maddeler ile Aktive Edilmiş Kalsiyum Aljinat Boncuklarının Yağlı Atıksu Arıtımında Kullanım Potansiyelinin Araştırılması, -Tübitak 1002, Yürütücü, 15.09.2018 - 15.09.2020

• Endüstriyel Atık Rodyum Kaplama Banyolarından Rodyum Geri Kazanımı, -Tübitak 1003, Danışman, 15.09.2017 - 15.01.2020

- Elektrooksidasyon ve Membran Yöntemiyle Antep Fıstığı İşleme Atıksularının Arıtım Performansının İncelenmesi, Yükseköğretim Kurumları tarafından destekli bilimsel araştırma projesi, Yürütücü, 01.01.2017 - 01.07.2018
- Endüstriyel Hava Kirliliği Kontrolünde Porfirinle Modifiye Edilmiş Boşluklu Lif Membranların Kullanılabilirliği: Denitrifikasyon Yoluyla NOx Giderimi, -Tübitak 1001, Danışman, 15.01.2015 - 15.12.2017
- Nanoparçacık İle Fonksiyonelleştirilmiş Polietersülfon/Grafen Oksitli Kompozit Membran Sentezi ve Antibakteriyel Özelliklerinin İncelenmesi, Yükseköğretim Kurumları tarafından destekli bilimsel araştırma projesi, Yürütücü, 01.01.2017 - 10.10.2017
- Sanayide Kaynak Verimliliği Potansiyelinin Belirlenmesi Projesi, TÜBİTAK PROJESİ, Uzman, 05.03.2014 - 20.09.2017
- Tekstil Endüstrisi Atıksularının Anaerobik ve Aerobik Membran Biyoreaktörlerde Arıtımı ve Su Geri Kazanımı, TÜBİTAK PROJESİ, Danışman, 01.06.2014 - 01.06.2016
- Pişirici Cihaz Üretiminde Tesis İçi Su Geri Kazanımı Minimizasyonu Ve Entegre Su Yönetimi, TÜBİTAK PROJESİ, Araştırmacı, 01.05.2014 - 30.04.2016
- Havacılık sanayisine ait yıkama banyolarından kaynaklanan atıksuların çapraz akış membranfiltrasyon sistemi ile arıtılması, Yükseköğretim Kurumları tarafından destekli bilimsel araştırma projesi, Araştırmacı, 19.10.2012 - 19.10.2015
- Tekstil Endüstrisi Atıksularındaki Reaktif Boyar Maddelerin Fotokatalitik ve Membran Distilasyon Hibrit Proses ile Giderilmesi, TÜBİTAK PROJESİ, Araştırmacı, 01.06.2013 - 01.06.2014
- Atıksulardan Eş Zamanlı Toksik Organik Madde ve Azot Giderimi İçin Yeni Bir Yaklaşım Membran Biyofilm Reaktör MBFR, TÜBİTAK PROJESİ, Yürütücü, 15.01.2012 - 15.01.2014
- Biyokirlenmeye Dirençli Nanomateriyaller ile Üretilen Polimerik Membranların Geliştirilmesi ve Membran Biyoreaktörlerde Uygulanması, TÜBİTAK PROJESİ, Araştırmacı, 15.01.2012 - 15.01.2014
- Kapalı Döngü Membran Destekli Biyogaz Prosesi İle Tavuk Atıklarından Temiz Enerji Üretimi, TÜBİTAK PROJESİ, Araştırmacı, 15.11.2011 - 15.11.2013
- İlaç Endüstrisi Atıksularının Aerobik Membran Biyoreaktör MBR İle Arıtılması, TÜBİTAK PROJESİ, Araştırmacı, 01.06.2010 - 01.06.2012
- Aktif Çamur ve Jet Loop Biyoreaktörlerde Membran Kirlenme Mekanizmalarının Araştırılması, TÜBİTAK PROJESİ, Araştırmacı, 01.06.2009 - 01.06.2011
- Bitkisel Yağ ve Atıklarından Yeni Mikro Poro Polimerik Enzim Reaktörleri MPPER İle Biyodizel Üretimi, TÜBİTAK PROJESİ, Araştırmacı, 01.06.2007 - 01.06.2009
- Membran Biyoreaktör Kullanılarak Sukrozdan İzomaltooligosakkarit Üretimi, TÜBİTAK PROJESİ, Araştırmacı, 01.07.2005 - 01.07.2007

Editörlükler

A. Uluslararası Editörlükler (1)

- 2019, Avicenna J Environ Health Eng., Hamadan University of Medical Sciences, Dergi, İlgili alanda önde gelen ülkelerin hakemli bilimsel/mesleki dergilerinde yayımlanmış tam makale

Patentler

A. Uluslararası Patentler (1)

- 2023, RODYUMUN ZENGİNLEŞTİRİLMESİ VE GERİ KAZANIMI İÇİN MEMBRAN VE KATODİK İNDİRGEME HİBRİT SİSTEMİ, , , Patent, , SECTION C - CHEMISTRY; METALLURGY

B. Ulusal Patentler (5)

- 2022, RODYUMUN ZENGİNLEŞTİRİLMESİ VE GERİ KAZANIMI İÇİN MEMBRAN VE KATODİK İNDİRGEME HİBRİT SİSTEMİ, , MERSİN ÜNİVERSİTESİ/MÜHENDİSLİK FAKÜLTESİ/ÇEVRE MÜHENDİSLİĞİ BÖLÜMÜ/ÇEVRE TEKNOLOJİSİ ANABİLİM DALI, Patent, , SECTION C -

CHEMISTRY; METALLURGY

- 2019, Plastik Atıksularından Su ve Alkol Geri Kazanım, 2015 02952, MERSİN ÜNİVERSİTESİ, Patent, 2015-GE-88772, SECTION C - CHEMISTRY; METALLURGY
- 2019, BİYÖPESTİSİT OLARAK KULLANILMAK ÜZERE ANTEP FISTIĞI KABUKLARINDAN FENOL GERİ KAZANIM SİSTEMİ, 2019-GE-215067, MERSİN ÜNİVERSİTESİ, Patent, C07C 37/00, SECTION C - CHEMISTRY; METALLURGY
- 2018, TEKSTİL ATIK SULARININ ARITMA İŞLEMİNİ GERÇEKLEŞTİREN ARITMA SİSTEMLERİ İÇİN GELİŞTİRİLMİŞ, ASPERGILLUS CARBONARIUS MANTARDAN ÜRETİLEN ULTRA FİLTASYON (UF) BİYOMEMBRAN, 2018/18165, MERSİN ÜNİVERSİTESİ, Patent, B01D39/00, SECTION C - CHEMISTRY; METALLURGY
- 2016, Çözünmüş hava flotasyonu ünitesinde fenton destekli kavitasyon prosesinin uygulaması, 2014/07360, GEBZE YÜKSEK TEKNOLOJİ ENSTİTÜSÜ, Patent, B03D 1/00, SECTION C - CHEMISTRY; METALLURGY

Araştırma Sertifikaları

A. Uluslararası Araştırma Sertifikaları (1)

- 06.02.2018, 2219, MEMBRAN PROSES GELİŞTİRİLMESİ, MERSİN ÜNİVERSİTESİ

Hakemlikler

A. Uluslararası Hakemlikler (4)

- 2017, Journal of Industrial & Engineering Chemistry, Dergi, SCI-Expanded
- 2017, JOURNAL OF MEMBRANE SCIENCE, Dergi, SCI-Expanded
- 2017, Desalination and Water Treatment, Dergi, SCI-Expanded
- 2016, Water Science and Technology, Dergi, SCI-Expanded

Ödüller

- 2024, Eşik Üstü Ödül, TÜBİTAK TEŞVİK, TÜBİTAK
- 2022, 2022 TULİP Çevre Ödülleri Bilim Ödülü, Yurtiçi kurum ve kuruluşlarından alınan bilim ödülü, TULİP Sürdürülebilirlik Merkezi
- 2020, Best Researcher Award, Yurtdışı kurum veya kuruluşlardan alınan bilim ödülü, International Research Awards on New Science Inventions
- 2018, 2018 Yılı TÜBİTAK, Bilim, Özel, Hizmet ve Teşvik Ödülleri, TÜBİTAK TEŞVİK, TÜBİTAK
- 2018, 2219, Diğer, TÜBİTAK
- 2017, Yurtdışı Doktora Sonrası Araştırma Burs Programı, TÜBİTAK'tan alınan ödül, TÜBİTAK
- 2013, Üstün Başarı Ödülü, Alanında özel kurum ve kuruluşlarından alınan ödül, FABED
- 2012, Çevre Bilim Hizmet Teşvik Ödülü, Ulusal BSE, AKDENİZ ÜNİVERSİTESİ

Üniversite Dışı Deneyim

- 2016 - 2017 **Postdoc** Yale University,
- 2010 - 2011 **Doktora sırası araştırmacı** Florida International University,

