

# Prof. NİĞMET UZAL

## Personal Information

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## International Researcher IDs

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Yoksis Researcher ID: 108186

## Education Information

Post Doctorate, Georgia Institute of Technology, Engineering Faculty, Civil and Environmental Engineering, United States Of America 2014 - 2015

Doctorate, Middle East Technical University, Faculty Of Engineering, Çevre Mühendisliği, Turkey 2002 - 2007

Postgraduate, Middle East Technical University, Faculty Of Engineering, Çevre Mühendisliği, Turkey 1999 - 2001

Undergraduate, Mersin University, Faculty Of Engineering, Çevre Mühendisliği, Turkey 1993 - 1997

## Foreign Languages

English, B1 Intermediate

## Dissertations

Doctorate, Recovery and Reuse of Indigo Dyeing Wastewater Using Membrane Technology, Orta Doğu Teknik Üniversitesi, Çevre Müh., Çevre Üh., 2007

Postgraduate, Sequential Biological (Anaerobic/Aerobic) Treatment of Malt Whisky Wastewater, Orta Doğu Teknik Üniversitesi, Fen Bilimleri Enst. :Çevre Mühendisliği, 2001

## Research Areas

Environmental Engineering, Environmental Technology, Pollution Prevention and Waste Reduction, Water Pollution and Control, Water Supply and Treatment, Membrane Technology

## Academic Titles / Tasks

Professor, Abdullah Gul University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2021 - Continues

Associate Professor, Abdullah Gul University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2016 - 2021

Assistant Professor, Abdullah Gul University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2013 - 2016

Assistant Professor, Nigde Omer Halisdemir University, Faculty Of Engineering, Department Of Environmental Engineering, 2009 - 2012

Research Assistant PhD, Kocaeli University, Muhendislik Fakultesi, Çevre Mühendisligi, 2008 - 2009

Research Assistant, Middle East Technical University, Muhendislik Fakultesi, Cevre Muhendisligi, 1999 - 2008

## Academic and Administrative Experience

Head of Department, Abdullah Gul University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2019 - Continues

Fakülte Kurulu Üyesi, Abdullah Gul University, Mühendislik Fakültesi, 2018 - 2021

Abdullah Gül Üniversitesi, Mühendisli Fakültesi, 2015 - 2015

Niğde Üniversitesi, Cevre Muhendisligi, Cevre Teknolojisi, 2009 - 2013

Fakülte Yönetim Kurulu Üyesi, Nigde Omer Halisdemir University, Faculty Of Engineering, Department Of Environmental Engineering, 2010 - 2012

Niğde Üniversitesi, Mühendislik Fakültesi, Çevre Mühendisliği, 2009 - 2012

## Courses

Hydrology and Water Resources Engineering, Undergraduate, 2022 - 2023

Engineering For Sustainability, Undergraduate, 2022 - 2023

## Advising Theses

Uzal N., Şahinkaya E., Eysel Atıksulardan Enerji ve Su Geri Kazanımında Hibrit Bir Membran Prosesi Geliştirilmesi, Doctorate, Ö.ÖZCAN(Student), Continues

Uzal N., İleri Osmoz Prosesi Kullanılarak Ön Arıtılmış Eysel Atıksulardan Nutrient Geri Kazanılması, Postgraduate, A.NADİFİ(Student), Continues

Uzal N., Kızılkaya Aydoğan E., SÜRDÜRÜLEBİLİR VE ENERJİ VERİMLİ KENT İÇİ ULAŞIM İÇİN YAŞAM DÖNGÜSÜ YAKLAŞIMI, Postgraduate, S.GÜLÇİMEN(Student), Continues

Ateş N., Uzal N., İnce film kompozit membranlar ile enerji üretimi ve mikrokirletici giderimi, Postgraduate, F.BUHARİ(Student), 2020

Uzal N., Ateş N., Eysel Atıksu Arıtma Tesisinde Membran Filtrasyon ile Mikrokirletici Giderimi , Postgraduate, E.BÜŞRA(Student), 2019

Uzal N., Kahraman K., Fabrication of New Generation Nanocomposite Membranes and Their Applications in Juice Production Industry, Postgraduate, Ş.Solmaz(Student), 2018

Uzal N., Çiner F., Süt ve Süt Endüstrisi Atıksularının Membran Prosesleri ile Geri Kazanımı, Postgraduate, T.ÇELİK(Student), 2017

Uzal N., FABRICATION OF NANOCOMPOSITE MEMBRANES AND THEIR APPLICATIONS IN OILY WASTEWATER TREATMENT, Postgraduate, S.Saki(Student), 2017

Uzal N., Polimer Komplekslemeli Ultrafiltrasyon Prosesi ile İçme Suyundan Arsenik Giderimi , Postgraduate, B.VAROL(Student), 2013

## Published journal articles indexed by SCI, SSCI, and AHCI

### I. Wind farm site selection using GIS-based multicriteria analysis with Life cycle assessment integration

Demir A., Dinçer A. E., Çiftçi C., Gülçimen S., Uzal N., Yılmaz K.

Earth Science Informatics, vol.17, no.2, pp.1591-1608, 2024 (SCI-Expanded)

### II. The different impacts of g-C<sub>3</sub>N<sub>4</sub> nanosheets on PVDF and PSF ultrafiltration membranes for Remazol black 5 dye rejection

ŞENOL ARSLAN D., GÜL A., Dizge N., Ocakoglu K., UZAL N.

Journal of Applied Polymer Science, vol.140, no.41, 2023 (SCI-Expanded)

- III. **Comparative life cycle assessment of retort pouch and aluminum can for ready-to-eat bean packaging**  
GÜLÇİMEN S., Ozcan O., Çevik S. B., KAHRAMAN K., UZAL N.  
Journal of Material Cycles and Waste Management, vol.25, no.6, pp.3723-3733, 2023 (SCI-Expanded)
- IV. **Robust Multicriteria Sustainability Assessment in Urban Transportation**  
Gulcimen S., Kizilkaya Aydoğan E., Uzal N.  
Journal of Urban Planning and Development, vol.149, no.2, 2023 (SCI-Expanded)
- V. **The impact of organic cotton use and consumer habits in the sustainability of jean production using the LCA approach**  
ŞENER FİDAN F., KIZILKAYA AYDOĞAN E., UZAL N.  
ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, vol.30, pp.8853-8867, 2023 (SCI-Expanded)
- VI. **Removal of pesticides from secondary treated urban wastewater by reverse osmosis**  
ATEŞ N., UZAL N., YETİŞ Ü., DİLEK F. B.  
ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, vol.30, no.4, pp.8732-8745, 2023 (SCI-Expanded)
- VII. **Ni-Zn Metal-organic framework based membranes for rejection of Pb(II) ions**  
Şenol Arslan D., Gül A., Uzal N., Yavuz E.  
INORGANIC CHEMISTRY COMMUNICATION, vol.145, no.7, pp.1-23, 2022 (SCI-Expanded)
- VIII. **Pre-concentration of Municipal Wastewater Using Flocculation-Assisted Direct Ceramic Microfiltration Process: Optimization of Operational Conditions**  
Ozcan O., ŞAHİNKAYA E., UZAL N.  
WATER AIR AND SOIL POLLUTION, vol.233, no.10, 2022 (SCI-Expanded)
- IX. **Life cycle assessment of lightweight concrete containing recycled plastics and fly ash**  
ERŞAN Y. Ç., GÜLÇİMEN S., İmis T. N., Saygin O., UZAL N.  
EUROPEAN JOURNAL OF ENVIRONMENTAL AND CIVIL ENGINEERING, vol.26, no.7, pp.2722-2735, 2022 (SCI-Expanded)
- X. **Life cycle sustainability assessment of a light rail transit system: Integration of environmental, economic, and social impacts**  
GÜLÇİMEN S., KIZILKAYA AYDOĞAN E., UZAL N.  
INTEGRATED ENVIRONMENTAL ASSESSMENT AND MANAGEMENT, vol.17, no.5, pp.1070-1082, 2021 (SCI-Expanded)
- XI. **Multi-dimensional Sustainability Evaluation of Indigo Rope Dyeing with a life cycle approach and hesitant fuzzy analytic hierarchy process**  
Fidan F., KIZILKAYA AYDOĞAN E., UZAL N.  
Journal of Cleaner Production, vol.309, 2021 (SCI-Expanded)
- XII. **Investigation of the treatability of pre-coagulated slaughterhouse wastewater using dead-end filtration**  
Ozdemir S., UZAL N., Gokcek O. B.  
JOURNAL OF CHEMICAL TECHNOLOGY AND BIOTECHNOLOGY, vol.96, no.7, pp.1927-1935, 2021 (SCI-Expanded)
- XIII. **An integrated life cycle assessment approach for denim fabric production using recycled cotton fibers and combined heat and power plant**  
Fidan F., Aydogan E. K., Uzal N.  
JOURNAL OF CLEANER PRODUCTION, vol.287, 2021 (SCI-Expanded)
- XIV. **Fabrication and characterization of silane-functionalized Na-bentonite polysulfone/polyethylenimine nanocomposite membranes for dye removal**  
Saki S., Senol-Arslan D., UZAL N.  
JOURNAL OF APPLIED POLYMER SCIENCE, vol.137, no.36, 2020 (SCI-Expanded)
- XV. **Clarification of pomegranate juice using PSF microfiltration membranes fabricated with nano TiO<sub>2</sub> and Al<sub>2</sub>O<sub>3</sub>**  
Severcan S. Ş., UZAL N., KAHRAMAN K.  
JOURNAL OF FOOD PROCESSING AND PRESERVATION, vol.44, no.8, 2020 (SCI-Expanded)
- XVI. **Surface coating of polyamide reverse osmosis membranes with zwitterionic 3-(3,4-**

**dihydroxyphenyl)-l-alanine (l-DOPA) for forward osmosis**

Saki S., UZAL N.

WATER AND ENVIRONMENT JOURNAL, vol.34, no.3, pp.400-412, 2020 (SCI-Expanded)

- XVII. **Arsenic removal by the micellar-enhanced ultrafiltration using response surface methodology**  
Gokcek O. B., UZAL N.  
WATER SCIENCE AND TECHNOLOGY-WATER SUPPLY, vol.20, no.2, pp.574-585, 2020 (SCI-Expanded)
- XVIII. **Clarification of Apple Juice Using New Generation Nanocomposite Membranes Fabricated with TiO<sub>2</sub> and Al<sub>2</sub>O<sub>3</sub> Nanoparticles**  
Severcan S. Ş., UZAL N., KAHRAMAN K.  
FOOD AND BIOPROCESS TECHNOLOGY, vol.13, no.3, pp.391-403, 2020 (SCI-Expanded)
- XIX. **Predicting potential of pressure retarded osmosis power for different estuaries in Turkey**  
Saki S., UZAL N., Gokcek M., ATEŞ N.  
ENVIRONMENTAL PROGRESS & SUSTAINABLE ENERGY, vol.38, no.4, 2019 (SCI-Expanded)
- XX. **Preparation and characterization of PSF/PEI/CaCO<sub>3</sub> nanocomposite membranes for oil/water separation**  
Saki S., UZAL N.  
ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, vol.25, no.25, pp.25315-25326, 2018 (SCI-Expanded)
- XXI. **Removal of heavy metals from aluminum anodic oxidation wastewaters by membrane filtration**  
ATEŞ N., UZAL N.  
ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, vol.25, no.22, pp.22259-22272, 2018 (SCI-Expanded)
- XXII. **Enhanced hydrophilicity and mechanical robustness of polysulfone nanofiber membranes by addition of polyethyleneimine and Al<sub>2</sub>O<sub>3</sub> nanoparticles**  
UZAL N., ATEŞ N., Saki S., Bulbul Y. E., Chen Y.  
SEPARATION AND PURIFICATION TECHNOLOGY, vol.187, pp.118-126, 2017 (SCI-Expanded)
- XXIII. **The size and concentration effects of Al<sub>2</sub>O<sub>3</sub> nanoparticles on psf membranes with enhanced structural stability and filtration performance**  
SAKI S., UZAL N., ATEŞ N.  
Desalination and Water Treatment, vol.84, pp.215-224, 2017 (SCI-Expanded)
- XXIV. **Developing a Decision-Support System for Waste Management in Aluminum Production**  
ÖZMEN M., Aydoğan E. K., ATEŞ N., UZAL N.  
ENVIRONMENTAL MODELING & ASSESSMENT, vol.21, no.6, pp.803-817, 2016 (SCI-Expanded)
- XXV. **Ozonation pre and post-treatment of denim textile mill effluents: Effect of cleaner production measures**  
Morali E. K., Uzal N., YETİŞ Ü.  
JOURNAL OF CLEANER PRODUCTION, vol.137, pp.1-9, 2016 (SCI-Expanded)
- XXVI. **Arsenic removal from aqueous solutions by ultrafiltration assisted with polyacrylamide: an application of response surface methodology**  
VAROL B., UZAL N.  
DESALINATION AND WATER TREATMENT, vol.56, no.3, pp.736-743, 2015 (SCI-Expanded)
- XXVII. **Potential ion exchange membranes and system performance in reverse electrodialysis for power generation: A review**  
HONG J. G., ZHANG B., GLABMAN S., Uzal N., DOU X., ZHANG H., WEI X., CHEN Y.  
JOURNAL OF MEMBRANE SCIENCE, vol.486, pp.71-88, 2015 (SCI-Expanded)
- XXVIII. **Recovery of caustic from mercerizing wastewaters of a denim textile mill**  
Varol C., UZAL N., DİLEK F. B., KİTİŞ M., YETİŞ Ü.  
DESALINATION AND WATER TREATMENT, vol.53, no.12, pp.3418-3426, 2015 (SCI-Expanded)
- XXIX. **Optimization of CO<sub>2</sub>+ ions removal from water solutions via polymer enhanced ultrafiltration with application of PVA and sulfonated PVA as complexing agents**  
Uzal N., JAWORSKA A., MISKIEWICZ A., ZAKRZEWSKA-TRZNADEL G., COJOCARU C.  
JOURNAL OF COLLOID AND INTERFACE SCIENCE, vol.362, no.2, pp.615-624, 2011 (SCI-Expanded)
- XXX. **Micro filtration: a pretreatment alternative for indigo dyeing textile wastewater**

Uzal N., YILMAZ L., YETIS U.

DESALINATION, vol.199, pp.515-517, 2006 (SCI-Expanded)

XXXI. **Sequential (anaerobic/aerobic) biological treatment of malt whisky wastewater**

Uzal N., GOKCAY C., DEMIRER G.

PROCESS BIOCHEMISTRY, vol.39, no.3, pp.279-286, 2003 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Efficiency of L-DOPA+TiO<sub>2</sub> modified RO membrane on salinity gradient energy generation by pressure retarded osmosis**  
ATES N., SAKI S., GOKCEK M., UZAL N.  
Pamukkale Üniversitesi Mühendislik Bilimleri Dergisi, vol.30, no.3, pp.395-404, 2024 (ESCI)
- II. **Comparative Life Cycle Assessment of the Environmental Impacts of Precast Concrete and Brick Walls**  
Gülçimen S., Uzal N.  
Erciyes Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.38, no.3, pp.426-433, 2022 (Peer-Reviewed Journal)
- III. **Fabrication of Gd<sub>2</sub>O<sub>3</sub>/PSF Membranes via Aqueous Phase Inversion Method**  
Gül A., Şenol Arslan D., Uzal N.  
Hittite Journal of Science and Engineering, vol.9, no.3, pp.177-181, 2022 (Peer-Reviewed Journal)
- IV. **Life Cycle Assessment for Neutralization process in Textile Wastewater Treatment Plant**  
Şener Fidan F., Kızılkaya Aydoğan E., Uzal N.  
Erciyes Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.36, no.3, pp.504-510, 2020 (Peer-Reviewed Journal)
- V. **PSF/SiO<sub>2</sub> NANOKOMPOZİT MEMBRAN ÜRETİMİ VE ELMA SUYU BERRAKLAŞTIRMA PROSESİNDE KULLANIMI**  
Severcan S. Ş., Uzal N., Kahraman K.  
GIDA / THE JOURNAL OF FOOD, vol.44, pp.618-628, 2019 (Peer-Reviewed Journal)
- VI. **The Improved Oil Removal Using Polysulfone Membranes Containing Al<sub>2</sub>O<sub>3</sub> Nanoparticles**  
Saki S., UZAL N., ATEŞ N.  
Journal of the Turkish Chemical Society, Section B: Chemical Engineering, vol.1, no.2, pp.63-68, 2017 (Peer-Reviewed Journal)
- VII. **ILGIN LİNYİT İŞLETMELERİ GÖLETLERİNDE ASİT MADENDRENAJİ VE REHABİLİTASYONU**  
DELİBALTA M. S., UZAL N., LERMİ A.  
Niğde Üniversitesi Mühendislik Bilimleri Dergisi, vol.5, no.1, pp.73-82, 2016 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. **Denim: Manufacture, finishing and applications**  
Uzal N.  
in: Treatment of wastewater from denim and jeans processing plants, Roshan Paul, Editor, Elsevier Science, Oxford/Amsterdam , Amsterdam, pp.541-561, 2015
- II. **Fiziksel Kimya ile İlgili Temel Kavramlar**  
Uzal N., Ateş N.  
in: Çevre Mühendisliği Ve Bilimi İçin Kimya, İsmail Toröz, Editor, Nobel Yayın Dağıtım, Ankara, pp.52-112, 2013
- III. **Sustainable Waste Management System and Reverse Logistic Network Design: A Case Study of Turkey**  
Uzal N.  
in: Enterprise Business Modeling, Optimization Techniques, And Flexible Information Systems, P.Papajorgji, Editor, IGI GLOBAL, Oregon, pp.320-340, 2013

## Refereed Congress / Symposium Publications in Proceedings

- I. **Modification of Commercial RO and NF Membranes with Zwitterionic L-DOPA and TiO<sub>2</sub>**  
Öztürk İ., Ozcan O., Uzal N., Ateş N.  
16th Conference on Sustainable Development of Energy, Water and Environment Systems (SDEWES), Dubrovnik, Hırvatistan, Dubrovnik, Croatia, 10 - 15 October 2021, pp.1-8
- II. **Evaluation of up-concentration potential for direct membrane filtration of municipal wastewater**  
Özcan Ö., Şahinkaya E., Uzal N.  
14th Conference on Sustainable Development of Energy, Water, and Environment Systems, Dubrovnik, Croatia, 10 - 15 October 2021, pp.753
- III. **A Comparative Life Cycle Assessment of Single-Family House and Multi-Storey Apartment Building in Turkey**  
Gülçimen S., Uzal N., Varışlı T., Khidrah M. G.  
8th International Conference on Sustainable Solid Waste Management, Thessaloniki, Greece, 23 - 26 June 2021, pp.1-2
- IV. **A Comparative Life Cycle Assessment of Conventional and Organic Cotton in Denim Fabric**  
Şener Fidan F., Kızılkaya Aydoğan E., Uzal N.  
8th International Conference on Sustainable Solid Waste Management, Thessaloniki, Greece, 23 - 26 June 2021, pp.1-2
- V. **Removal of Pesticides from Wastewater by Membrane Process**  
Ateş N., Uzal N., Yetiş Ü., Dilek F. B.  
8th International Conference on Sustainable Solid Waste Management, Thessaloniki, Yunanistan, Thessaloniki, Greece, 23 - 26 June 2021, pp.1-15
- VI. **Energy Generation by Pressure Retarded Osmosis Using SW30 Thinfilm Composite Membrane**  
Yerli F. B., Ateş N., Uzal N.  
Cukurova 6th International Scientific Researches Conference, Adana, Türkiye, Adana, Turkey, 5 - 06 March 2021, pp.178-179
- VII. **Recovery of Caustic from Mercerization Process Wastewaters using Membrane Processes**  
Gül A., Uzal N., Özcan Ö., Şahinkaya E.  
6th MEMTEK International Symposium on Membrane Technologies and Applications, İstanbul, Turkey, 18 - 20 December 2019
- VIII. **Removal of Dicofol and Irgarol from Wastewater using Reverse Osmosis**  
ATEŞ N., UZAL N., YETİŞ Ü., DİLEK F. B.  
6th MEMTEK International Symposium on Membrane Technologies and Applications Symposium, İstanbul, Turkey, 18 - 20 November 2019, pp.244-249
- IX. **Modification of TFC SW30-HR RO membrane incorporated with zwitterionic L-DOPA and TiO<sub>2</sub> nanoparticle for sustainable energy generation**  
Uzal N., Saki S., Ozcan O.  
6th MEMTEK International Symposium on Membrane Technologies and Applications , Istanbul, TURKEY, İstanbul, Turkey, 18 - 20 November 2019, pp.502-503
- X. **CFD Analysis Of Forward Osmosis Process: Impact of Module Geometry**  
Akşit S., Saki S., Uzal N.  
1st International Conference on Environment, Technology and Management, ICETEM, Niğde, Turkey, 27 - 29 June 2019, pp.132-138
- XI. **Süt Endüstrisi Peynir Altı Sularının Membran Proseslerle Ön Arıtımı**  
ÇELİK T., UZAL N., ÇİNER F.  
International Turkic World Congress on Science and Engineering, 17 - 18 June 2019, pp.1037-1043
- XII. **Zwitterionic L-DOPA and Nanoparticle Modified Reverse Osmosis Membranes for Forward Osmosis Applications**  
Saki S., UZAL N.  
1. Uluslararası İçmesuyu ve Atıksu Sempozyumu, 6 - 07 December 2018, pp.817-827

- XIII. Surface Modification of commercial RO Membranes with L-DOPA/SiO<sub>2</sub> for Forward Osmosis Applications**  
Saki S., UZAL N., ATEŞ N.  
The 17th Nordic Filtration Symposium, Aalborg, Denmark, 29 - 31 August 2018, pp.49
- XIV. Modification of Commercial Reverse Osmosis Membranes for Osmotic Power Generation**  
Yerli F. B., Saki S., UZAL N., ATEŞ N.  
The 17th Nordic Filtration Symposium, Aalborg, Denmark, 29 - 31 August 2018, pp.26
- XV. Preparation and characterization of PSF/PEI/nanoclay nanocomposite ultrafiltration membranes for fruit juice clarification**  
ertem b., saki s., KAHRAMAN K., UZAL N.  
3rd International Congress on Environmental Researches and Technology, 8 - 12 November 2017
- XVI. Surface Modification of RO Membranes by coating of Zwitterionic L-DOPA and Na- nanoparticles for Forward Osmosis Applications**  
Yerli F., Saki S., UZAL N., ATEŞ N.  
The 3rd International Congress on Environmental Researches and Technology (ICERAT), Belgrade, Serbia, 8 - 12 November 2017
- XVII. Salinity Gradient Energy Potential of High Saline Industrial Wastewaters in Pressure Retarded Osmosis**  
Saki S., GÖKÇEK M., ATEŞ N., UZAL N.  
The Porous and Powder Materials Symposium and Exhibitions (PPM), Aydın, Turkey, 12 - 15 September 2017, pp.84
- XVIII. Surface Modification Of Commercial RO Membranes For Forward Osmosis Applications**  
Saki S., UZAL N., ATEŞ N.  
3rd International Porous and Powder Materials Symposium and Exhibition (PPM 2017), Aydın, Turkey, 12 - 15 September 2017, pp.83
- XIX. The Improved Oil Removal Using Polysulfone Membranes Containing Al<sub>2</sub>O<sub>3</sub> Nanoparticles**  
Seda S., UZAL N., ATEŞ N.  
The Porous and Powder Materials Symposium and Exhibitions (PPM), Aydın, Turkey, 12 - 15 September 2017, pp.295-300
- XX. Effect of L-DOPA additive in coagulation bath on the performance of PSF membrane incorporated with Al<sub>2</sub>O<sub>3</sub> nanoparticles**  
UZAL N., Saki S., Yılmaz Z.  
2nd International Conference on Civil and Environmental Engineering, 8 - 10 May 2017
- XXI. Pressure Retarded Osmosis (PRO) Potential for Sustainable Power Generation in Meric River Turkey**  
Seda S., UZAL N., ATEŞ N., GÖKÇEK M.  
International Conference on Civil and Environmental Engineering (ICOCEE - Cappadocia), Nevşehir, Turkey, 8 - 10 May 2017, pp.1263
- XXII. Surface Modification of Commercial RO Membranes for Forward Osmosis**  
Büşra Ç., Pekdoğan M., Furkan Y., Saki S., ATEŞ N., UZAL N.  
International Conference on Civil and Environmental Engineering (ICOCEE - Cappadocia), Nevşehir, Turkey, 8 - 10 May 2017, pp.1267
- XXIII. Potential Assessment of Environmental Impacts in Aluminum Production Industry**  
ÖZTÜRK D., ATEŞ N., UZAL N.  
ICOCEE-2017, 8 - 10 May 2017
- XXIV. SUSTANABLE WATER MANAGEMENT AND REHABILITATION IN THE ILGIN SURFACE MINING LAKES**  
DELİBALTA M. S., UZAL N., LERMİ A.  
16th INTERNATIONAL SYMPOSIUM ON ENVIRONMENTAL ISSUES AND WASTE MANAGEMENT IN ENERGY AND MINERAL PRODUCTION, 5 - 07 October 2016
- XXV. Pressure Retarded Osmosis Pro Potential for Sustainable Power Generation in Turkey**  
Saki S., UZAL N., ATEŞ N., Gökçek M.  
9th International Conference on Sustainable Energy & Environmental Protection, 22 - 25 September 2016

- XXVI. **Heavy Metal Removal Performance of Thin Film Nanocomposite Membranes Incorporated with SiO<sub>2</sub> and TiO<sub>2</sub> Nanoparticles**  
Apaydın D., Saki S., Bulbul Y. E., ATEŞ N., UZAL N.  
Permea-Melpro 2016, 15 - 19 May 2016
- XXVII. **Preparation and Characterization of Thin Film Nanocomposite Membranes Incorporated with SiO<sub>2</sub> and TiO<sub>2</sub> Nanoparticles**  
Saki S., Bulbul Y. E., UZAL N., ATEŞ N.  
Permea-Melpro 2016, 15 - 19 May 2016
- XXVIII. **Fabrication of Polysulfone PEI SiO<sub>2</sub> Nanofiber Membranes with Enhanced Properties For Water Filtration**  
BÜLBÜL E., SAKİ S., İŞOĞLU İ. A., UZAL N., ATEŞ N.  
PERMEA 2016 - Membrane Science and Technology Conference of Visegrad Countries, Prag, Czech Republic, 15 - 19 May 2016

## Supported Projects

- Uzal N., Alp E., Yetiş Ü., TUBITAK Project, Sürdürülebilir Su Yönetimi İçin Yeni Bir Yaklaşım: Su-Enerji-Gıda-Ekosistem Bağlı Çerçevesine Döngüsel Ekonomi Yaklaşımının Entegrasyonu, 2021 - 2024
- Uzal N., Ateş N., Komesli O. T., TUBITAK Project, Eysel Atıksulardan Enerji, Nutrient ve Su Geri Kazanımında Yenilikçi Hibrit Bir Membran Prosesi Geliştirilmesi, 2020 - 2022
- Uzal N., Ateş N., Dadaşer Çelik F., Kaplan Bekaroğlu Ş. Ş., TUBITAK Project, Konya Altınapa Barajı'na Pestisit Taşınımının Modellenmesi Ve Giderimi için Yenilikçi İleri Arıtım Yöntemlerinin Geliştirilmesi, 2019 - 2022
- Uzal N., Ateş N., Project Supported by Higher Education Institutions, İNCE FİLM KOMPOZİT MEMBRANLAR İLE ENERJİ ÜRETİMİ VE MİKROKİRLETİCİ GİDERİMİ, 2018 - 2020
- Uzal N., Yetiş Ü., Ateş N., Dilek F. B., TUBITAK Project, Yeşilirmak Havzası Noktasal ve Yaylıl Kirlilik Kaynakları Yönetimi, 2016 - 2020
- Uzal N., Yetiş Ü., Dilek F. B., Project Supported by Other Official Institutions, Belirli Sektörlerde Temiz Üretim Uygulamaları Projesi (BESTÜ), 2019 - 2019
- UZAL N., KAHRAMAN K., BÜLBÜL E., Severcan S. S., Saki S., Project Supported by Higher Education Institutions, Yeni Nesil Nanokompozit Membran Üretimi Karakterizasyonu ve Meyve Suyu Endüstrisinde Kullanımı, 2017 - 2019
- Uzal N., TUBITAK Project, İnce Film Kompozit Membranlar ile Basınç Geciktirmeli Ozmoz (PRO) Prosesi Kullanılarak Sürdürülebilir Enerji Üretimi, 2016 - 2018
- UZAL N., Saki S., Project Supported by Higher Education Institutions, İleri osmoz proses uygulamaları için ince film nanokompozit membran üretimi ve modifikasyonu, 2016 - 2017
- Uzal N., Ateş N., Kızılkaya Aydoğan E., TUBITAK Project, Alüminyum Mamül Üretim Sektöründe Öncelikli Atıkların Belirlenmesi Ve Entegre Atık Yönetim Sisteminin Oluşturulması, 2013 - 2015
- Uzal N., TUBITAK Project, Misel Komplekslemeli Ultrafiltrasyon Prosesi İle İçme Suyundan Arsenik Giderimi, 2011 - 2012

## Activities in Scientific Journals

Erciyes Üniversitesi Fen Bilimleri Enstitüsü Dergisi, Committee Member, 2018 - Continues

## Memberships / Tasks in Scientific Organizations

TÜBİTAK Çevre, Atmosfer, Yer ve Deniz Bilimleri Araştırma Destek Grubu, Executive Board Member, 2021 - Continues, Turkey



## **Scientific Refereeing**

TUBITAK Project, 2219 - Yurt Dışı Doktora Sonrası Araştırma Burs Programı, Abdullah Gul University, Turkey, October 2021

JOURNAL OF CLEANER PRODUCTION, SCI Journal, July 2020

ENVIRONMENTAL SCIENCE & TECHNOLOGY, Journal Indexed in SCI-E, April 2020

ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, SCI Journal, March 2019

DESALINATION AND WATER TREATMENT, Journal Indexed in SCI-E, January 2018

## **Metrics**

Publication: 73

Citation (WoS): 500

Citation (Scopus): 404

H-Index (WoS): 9

H-Index (Scopus): 8