

## Assoc. Prof. Nurcan TUĞRUL

### Personal Information

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### International Researcher IDs

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Yoksis Researcher ID: 111253

### Education Information

Doctorate, Yıldız Technical University, Kimya Metalürji/ Fen Bilimleri/ Kimya Mühendisliği, Kimya Mühendisliği/Kimya Mühendisliği, Turkey 2000 - 2005

Postgraduate, Yıldız Technical University, Kimya Metalürji/ Fen Bilimleri/ Kimya Mühendisliği, Kimya Mühendisliği/Kimya Mühendisliği, Turkey 1996 - 1999

Undergraduate, Yıldız Technical University, Kimya Metalürji/ Fen Bilimleri/ Kimya Mühendisliği, Kimya Mühendisliği/Kimya Mühendisliği, Turkey 1992 - 1996

### Foreign Languages

French, C1 Advanced

### Certificates, Courses and Trainings

Education Management and Planning, CAMSCAN Apollo 300 cihazı eğitim sertifikası, TETRA Teknolojik Sistemler, 2009

Education Management and Planning, PERKIN ELMER Clarus 500 GC ve Clarus 500 MS cihazları eğitim sertifikası, TETRA Teknolojik Sistemler, 2009

Education Management and Planning, PERKIN ELMER Diamond DSC cihazı eğitim sertifikası, TETRA Teknolojik Sistemler, 2009

Education Management and Planning, PANALYTIAL Xpert Pro MPD cihazı eğitim sertifikası, TETRA Teknolojik Sistemler, 2008

Education Management and Planning, PANALYTICAL Minipal 4 cihazı eğitim sertifikası, TETRA Teknolojik Sistemler, 2008

Education Management and Planning, PERKIN ELMER Optima 2100 DV cihazı eğitim sertifikası, TETRA Teknolojik Sistemler, 2008

Education Management and Planning, PERKIN ELMER Lambda 25 cihazı eğitim sertifikası, TETRA Teknolojik Sistemler, 2008

Education Management and Planning, PERKIN ELMER Raman 400F cihazı eğitim sertifikası, TETRA Teknolojik Sistemler, 2008

Education Management and Planning, Deney ve Kalibrasyon Laboratuvar Kalitesinin Temini ve Laboratuvar Arası Karşılaştırma Ölçümü, Türk Standartları Enstitüsü (TSE) Kalibrasyon Merkezi Başkanlığı, 2008

Education Management and Planning, PERKIN ELMER Spectrum One FT-IR Spectrometer cihazı eğitim sertifikası, TETRA Teknolojik Sistemler, 2005

Education Management and Planning, PERKIN ELMER Diamond TG/DTA cihazı eğitim sertifikası, TETRA Teknolojik Sistemler, 2004

## Dissertations

Doctorate, BANDIRMA ETİBANK SÜLFÜRİK ASİT FABRİKASINDAN ÇIKAN KALSİNE PİRİT KÜLÜNÜN YÜKSEK FIRIN HAMMADDESİ OLARAK DEĞERLENDİRİLMESİ ve PİK DEMİR ÜRETİMİNDE KULLANILMASI, Yıldız Teknik Üniversitesi, Graduate School of Natural and Applied Sciences, Kimya Mühendisliği/Kimya Mühendisliği, 2005  
Postgraduate, MAYDANOZ ve DEREOTUNUN KURUTULMASI ve KURUMA KARAKTERİSTİKLERİNİN İNCELENMESİ, Yıldız Teknik Üniversitesi, Graduate School of Natural and Applied Sciences, Kimya Mühendisliği/Kimya Mühendisliği, 1999

## Research Areas

Boron Chemistry, Environmental Engineering, Environmental Technology, Solid Waste Engineering and Management, Water Pollution and Control, Chemical Engineering and Technology, Chemical Technologies, Metallurgical and Materials Engineering, Material science and engineering, Material Characterization, Chemistry, Inorganic Chemistry, Natural Sciences, Engineering and Technology

## Academic Titles / Tasks

Associate Professor, Yildiz Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Chemical Engineering, 2017 - Continues  
Assistant Professor, Yildiz Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Chemical Engineering, 2006 - 2017  
Research Assistant PhD, Yildiz Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Chemical Engineering, 2005 - 2006  
Research Assistant, Yildiz Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Chemical Engineering, 2002 - 2005

## Courses

Enstrümental Analizler, Undergraduate, 2017 - 2018  
Kimya Mühendisliği Ekonomisi, Undergraduate, 2017 - 2018  
Uzmanlık Alan Dersi (Yüksek Lisans), Postgraduate, 2017 - 2018  
Yüksek Lisans Tezi, Postgraduate, 2017 - 2018  
Uzmanlık Alan Dersi (Doktora), Doctorate, 2017 - 2018  
Kimya Mühendisliği Uygulamaları, Undergraduate, 2017 - 2018  
İleri Organik Teknolojiler, Doctorate, 2017 - 2018, 2016 - 2017, 2014 - 2015, 2013 - 2014  
Yakıt Teknolojisi, Postgraduate, 2017 - 2018, 2016 - 2017  
Kimya Mühendisliği Hesaplamaları, Undergraduate, 2017 - 2018  
Doktora Tezi, Doctorate, 2017 - 2018  
Enstrümental Analizler Lab., Undergraduate, 2017 - 2018  
Kimya Mühendisliği Ekonomisi, Undergraduate, 2016 - 2017, 2014 - 2015  
Yüksek Lisans Tezi, Postgraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014  
Kimya Mühendisliği Lab III, Undergraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015  
İleri İnorganik Teknolojiler, Doctorate, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014  
Bitirme Çalışması, Undergraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015  
Uzmanlık Alan Dersi (Yüksek Lisans), Postgraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014

Kimyasal Teknolojiler, Undergraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015  
Kimya Mühendisliği Uygulamaları, Undergraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015  
Kimya Mühendisliği Ekonomisi, Undergraduate, 2015 - 2016  
İleri Organik Teknolojiler, Doctorate, 2015 - 2016  
Yüksek Lisans Tezi, Postgraduate, 2015 - 2016  
Kimya Mühendisliği Uygulamaları, Undergraduate, 2013 - 2014  
Bitirme Çalışması, Undergraduate, 2013 - 2014  
Kimya Mühendisliği Lab III, Undergraduate, 2013 - 2014  
Uzmanlık Alan Dersi (Yüksek Lisans), Postgraduate, 2013 - 2014  
Yüksek Lisans Tezi, Postgraduate, 2013 - 2014  
Kimyasal Teknolojiler, Undergraduate, 2013 - 2014  
Yağ Teknolojisi, Undergraduate, 2013 - 2014

## Advising Theses

TUĞRUL N.,  $MnSO_4 \cdot H_2O$  ve  $H_3BO_3$  den Hidrotermal ve Katı-Hal Kombine Yöntem ile Mangan Borat Üretimi, Postgraduate, E.Fırat(Student), Continues  
TUĞRUL N., Deniz Ürünlerinin Farklı Yöntemlerle Kurutma Karakteristiklerinin İncelenmesi ve Ağır Metal İçeriklerinin Belirlenmesi, Doctorate, A.Can(Student), Continues  
TUĞRUL N., Çeşitli Gıda Atıklarından Farklı Ekstraksiyon Yöntemleri ve Çeşitli Çözücüler Kullanılarak Pektin Elde, Postgraduate, P.Karbuz(Student), Continues  
TUĞRUL N., Mikrodalga Yöntemiyle Aktifleştirilen Farklı Meyve Kabuklarının Adsorpsiyon Özelliklerinin İncelenmesi, Postgraduate, Ö.Yılmaz(Student), 2016  
TUĞRUL N., Farklı Endüstriyel Atıklardan Sentezlenen Hidroksiapatitin Adsorban Olarak Kullanılmasıyla Atık Sulardan Ağır Metal Geri Kazanımı, Postgraduate, S.Kızıltaş(Student), 2016  
TUĞRUL N.,  $Zn_5(CO_3)_2 \cdot (OH)_6$  ve  $ZnCl_2$  DEN Ultrasonik Yöntem ile Yüksek Verimli Çinko Borat Üretimi,, Postgraduate, D.Sena(Student), 2015  
TUĞRUL N., Farklı Bor ve Çinko Kaynaklarından Ultrasonik Yöntem ile Çinko Borat Üretimi ve Karakterizasyonu, Postgraduate, A.Can(Student), 2015  
TUĞRUL N., Farklı Kaynaklardan Üretilmiş Hidroksiapatit ve Antibiyotik Katkısının Kemik Çimentosunun Dayanımına Etkisinin İncelenmesi, Postgraduate, Ö.Can(Student), 2015  
TUĞRUL N., Çeşitli Meyve Kabuklarından Biyochar Üretim Yöntemlerinin Geliştirilmesi, Postgraduate, Ş.Nur(Student), 2015  
TUĞRUL N., Farklı Kaynaklardan Üretilmiş Hidroksiapatit Katkısının Kemik Çimentosunun Dayanımına Etkisinin İncelenmesi, Postgraduate, N.Gelibolu(Student), 2015  
TUĞRUL N., Farklı Bölgelerden Alınan Uçucu Küllerin Ağır Metal İyonlarını Adsorblama Özelliklerinin Farklı Bağlayıcılar Kullanılarak Geliştirilmesi, Postgraduate, E.Çımar(Student), 2014  
TUĞRUL N., Farklı Bölgelerden Alınan Uçucu Küllerin Ağır Metal İyonlarının Adsorbansında Kullanımının Geliştirilmesi, Postgraduate, Ş.Kölemen(Student), 2012  
TUĞRUL N., Çeşitli Bor Minerallerinden Hidrofobik Çinko Borat Üretim Yöntemlerinin Geliştirilmesi, Postgraduate, M.Bardakçı(Student), 2011  
TUĞRUL N., Çeşitli Bor Minerallerinden Hidrofobik ve Nanoyapılı Çinko Borat Üretim Yöntemlerinin Geliştirilmesi, Postgraduate, E.Öztürk(Student), 2011  
TUĞRUL N., Galvaniz Çamurunun Değerlendirilmesi ve Geri Kazanımı, Postgraduate, Ö.Dere(Student), 2009

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

1. **Comparison of The Film Properties of Lemon and Sour Cherry Seed Essential Oil Added Glycerol and/or Sorbitol Plasticized Corn, Potato, Rice, Tapioca and Wheat Starch Based Edible Films**

- Basut Kazak M., Tuğrul N.  
INTERNATIONAL JOURNAL OF POLYMER SCIENCE, vol.1, no.1, pp.1-12, 2024 (SCI-Expanded)
- II. **Effect of Ultrasound-Microwave and Microwave-Ultrasound Treatment on Physicochemical Properties of Corn Starch**  
Yılmaz A., Tuğrul N.  
ULTRASONICS SONOCHEMISTRY, vol.98, no.1, pp.1-6, 2023 (SCI-Expanded)
- III. **Methylene Blue Adsorption by Chemically Foamed Geopolymer Based on Fly Ash**  
Özkan H., Tuğrul N., Derun E.  
WATER, AIR AND SOIL POLLUTION : AN INTERNATIONAL JOURNAL OF ENVIRONMENTAL POLLUTION, vol.234, pp.1-11, 2023 (SCI-Expanded)
- IV. **Development of Dry Walnut Shell Edible Film Plasticized with Glycerol and/or Sorbitol and Incorporated with Aloe Vera Gel and Lemon Essential Oil**  
Girgin B., Tuğrul N.  
PERIODICA POLYTECHNICA: CHEMICAL ENGINEERING, vol.1, no.1, pp.1-12, 2023 (SCI-Expanded)
- V. **Co-Precipitation Synthesis of Lanthanum Borates with Different Morphologies**  
Argun S., Dumanli F. T. S., KIPÇAK A. S., TUĞRUL N., DERUN E.  
Glass Physics and Chemistry, vol.49, no.1, pp.92-97, 2023 (SCI-Expanded)
- VI. **The Effect of Various Methods on the Drying Kinetics and Mathematical Modelling of Seabass (Dicentrarchus labrax)**  
ÖZYALÇIN GENÇ Z. Ö., KIPÇAK A. S., TUĞRUL N.  
Journal of Aquatic Food Product Technology, vol.32, no.4, pp.384-395, 2023 (SCI-Expanded)
- VII. **Zinc and cadmium adsorption from wastewater using hydroxyapatite synthesized from flue gas desulfurization waste**  
Kiziltas Demir S., TUĞRUL N.  
WATER SCIENCE AND TECHNOLOGY, vol.84, no.5, pp.1280-1292, 2021 (SCI-Expanded)
- VIII. **Removal of zinc from wastewater using orange, pineapple and pomegranate peels**  
Turkmen Koc S. N., KIPÇAK A. S., Moroydor Derun E., TUĞRUL N.  
INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY, vol.18, no.9, pp.2781-2792, 2021 (SCI-Expanded)
- IX. **DRYING CHARACTERISTICS OF BLUE MUSSELS BY TRADITIONAL METHODS**  
KIPÇAK A. S., Derun E. M., TUĞRUL N., DOYMAZ İ.  
CHEMICAL INDUSTRY & CHEMICAL ENGINEERING QUARTERLY, vol.27, no.3, pp.279-288, 2021 (SCI-Expanded)
- X. **Microwave and ultrasound assisted extraction of pectin from various fruits peel**  
Karbuz P., Tuğrul N.  
JOURNAL OF FOOD SCIENCE AND TECHNOLOGY-MYSORE, vol.58, no.2, pp.641-650, 2021 (SCI-Expanded)
- XI. **The Drying Kinetics and Characteristics of Shrimp Dried by Conventional Methods**  
Erşan A. C., Tuğrul N.  
Chemical Industry & Chemical Engineering Quarterly, vol.27, no.4, pp.319-328, 2021 (SCI-Expanded)
- XII. **Ultrasonic-Assisted Synthesis of Zinc Borates: Effect of Boron Sources**  
Dumanli F. T. S., KIPÇAK A. S., Vardar D. S., TUĞRUL N.  
JOURNAL OF THE CHEMICAL SOCIETY OF PAKISTAN, vol.42, no.6, pp.839-845, 2020 (SCI-Expanded)
- XIII. **Thermal dehydration kinetics of non-crystalline manganese borate**  
TUĞRUL N., Firat E., KIPÇAK A. S., Yildirim M., Senberber F. T., Derun E.  
INDIAN JOURNAL OF CHEMISTRY SECTION A-INORGANIC BIO-INORGANIC PHYSICAL THEORETICAL & ANALYTICAL CHEMISTRY, vol.59, no.3, pp.346-350, 2020 (SCI-Expanded)
- XIV. **An accelerated and effective synthesis of zinc borate from zinc sulfate using sonochemistry**  
Ersan A. C., KIPÇAK A. S., Ozen M. Y., TUĞRUL N.  
MAIN GROUP METAL CHEMISTRY, vol.43, no.1, pp.7-14, 2020 (SCI-Expanded)
- XV. **Temperature Controlled Infrared Drying Kinetics of Mussels**  
Sevim S., Derun E., Tuğrul N., Doymaz İ., Kipçak A. S.  
Journal Of The Indian Chemical Society, vol.96, no.9, pp.1233-1238, 2019 (SCI-Expanded)

- XVI. **A green sonochemical synthesis of zinc borates from Zn-5(CO<sub>3</sub>)(2)center dot(OH)(6)**  
Vardar D. S., Senberber F. T., Kıpçak A. S., Tuğrul N.  
MAIN GROUP CHEMISTRY, vol.16, pp.160-170, 2017 (SCI-Expanded)
- XVII. **Characterization and physical properties of hydrated zinc borates synthesized from sodium borates**  
Kıpçak A. S., SENBERBER F. T., Yildirim M., Yuksel S. A., Derun E., Tugrul N.  
MAIN GROUP METAL CHEMISTRY, vol.39, pp.59-66, 2016 (SCI-Expanded)
- XVIII. **Synthesis of dehydrated zinc borates using the solid-state method: Characterization and investigation of the physical properties**  
KIPÇAK A. S., ACARALI N., SENBERBER F. T., Yildirim M., KOC S. N. T., Yuksel S., PİŞKİN M. B., Derun E., TUĞRUL N.  
MAIN GROUP CHEMISTRY, vol.15, no.4, pp.301-313, 2016 (SCI-Expanded)
- XIX. **A Novel Synthesis of Zinc Borates from a Zinc Oxide Precursor via Ultrasonic Irradiation**  
ERSAN A. C., Yildirim M., KIPÇAK A. S., TUĞRUL N.  
ACTA CHIMICA SLOVENICA, vol.63, no.4, pp.881-890, 2016 (SCI-Expanded)
- XX. **Zinc borate production with boron mineral source: effect of process parameters on yield and hydrophobicity**  
Acarali N., Ozturk E., Bardakci M., Pişkin M. B., Tuğrul N.  
GOSPODARKA SUROWCAMI MINERALNYMI-MINERAL RESOURCES MANAGEMENT, vol.31, pp.95-109, 2015 (SCI-Expanded)
- XXI. **Characterization and thermal dehydration kinetics of zinc borates synthesized from zinc sulfate and zinc chloride**  
KIPÇAK A. S., SENBERBER F. T., Moroydor Derun E., TUĞRUL N., Piskin S.  
RESEARCH ON CHEMICAL INTERMEDIATES, vol.41, no.11, pp.9129-9143, 2015 (SCI-Expanded)
- XXII. **Synthesis of hydrophobic nanostructured zinc borate from zinc carbonate, and characterization of the product**  
TUĞRUL N., Bardakci M., Ozturk E.  
RESEARCH ON CHEMICAL INTERMEDIATES, vol.41, no.7, pp.4395-4403, 2015 (SCI-Expanded)
- XXIII. **X-Ray, Thermal, FT-IR and morphological studies of zinc borate in presence of boric acid synthesized by ulexite**  
Akgul O., Acarali N. B., TUĞRUL N., Derun E., Piskin S.  
PERIODICO DI MINERALOGIA, vol.83, no.1, pp.77-88, 2014 (SCI-Expanded)
- XXIV. **Effect of Magnesium Borates on the Fire-Retarding Properties of Zinc Borates**  
Kıpçak A. S., Acarali N., Derun E., Tuğrul N., Piskin S.  
JOURNAL OF CHEMISTRY, 2014 (SCI-Expanded)
- XXV. **Production and characterization of hydrophobic zinc borate by using palm oil**  
Acarali N. B., TUĞRUL N., Derun E., Piskin S.  
INTERNATIONAL JOURNAL OF MINERALS METALLURGY AND MATERIALS, vol.20, no.11, pp.1081-1088, 2013 (SCI-Expanded)
- XXVI. **Characterization of boron carbide particles and its shielding behavior against neutron radiation**  
KIPÇAK A. S., Gurses P., DERUN E., TUĞRUL N., Piskin S.  
ENERGY CONVERSION AND MANAGEMENT, vol.72, pp.39-44, 2013 (SCI-Expanded)
- XXVII. **Effect of modifying agents on the hydrophobicity and yield of zinc borate synthesized by zinc oxide**  
Acarali N. B., Bardakci M., TUĞRUL N., Derun E., Piskin S.  
INTERNATIONAL JOURNAL OF MINERALS METALLURGY AND MATERIALS, vol.20, no.6, pp.574-581, 2013 (SCI-Expanded)
- XXVIII. **Production of Zinc Borate for Pilot Scale Equipment and Effects of Reaction Conditions on Yield**  
BARDAKCI M., ACARALI N., TUĞRUL N., DERUN E., PİŞKİN M. B.  
Materials Science, 2013 (SCI-Expanded)
- XXIX. **The Zinc Adsorption Study by Using Orhaneli Fly Ash, Bentonite, and Molasses in Wastewater**  
Kolemen S., ACARALI N., TUĞRUL N., DERUN E., Piskin S.  
WATER AIR AND SOIL POLLUTION, vol.224, no.1, 2013 (SCI-Expanded)
- XXX. **Pelletisation of fly ashes as a lightweight aggregate**

- DERUN E., TUĞRUL N., Lkhagva T., Piskin S.  
ADVANCES IN CEMENT RESEARCH, vol.22, no.2, pp.99-105, 2010 (SCI-Expanded)
- XXXI. **A study on the structural behavior of reduced pyrite ash pellets by XRD and XRF analysis**  
TUĞRUL N., Derun E., PIŞKİN M. B., Ekerim A.  
WASTE MANAGEMENT & RESEARCH, vol.27, no.3, pp.281-287, 2009 (SCI-Expanded)
- XXXII. **Utilization of pyrite ash wastes by pelletization process**  
Tugrul N., Derun E., Piskin M. B.  
POWDER TECHNOLOGY, vol.176, pp.72-76, 2007 (SCI-Expanded)
- XXXIII. **Drying characteristics of dill and parsley leaves**  
Doymaz I., Tugrul N., Pala M.  
JOURNAL OF FOOD ENGINEERING, vol.77, no.3, pp.559-565, 2006 (SCI-Expanded)
- XXXIV. **Effects of calcium hydroxide and calcium chloride addition to bentonite in iron ore pelletization**  
Tugrul N., Derun E., Piskin M. B.  
WASTE MANAGEMENT & RESEARCH, vol.24, no.5, pp.446-455, 2006 (SCI-Expanded)

### Articles Published in Other Journals

- I. **Zinc adsorption from aqueous solution using lemon, orange, watermelon, melon, pineapple, and banana rinds**  
Yılmaz Ö., Tuğrul N.  
WATER PRACTICE AND TECHNOLOGY, vol.17, pp.318-328, 2022 (ESCI)
- II. **THE EFFECT OF HYDROXYAPATITE ADDITIVE PRODUCED FROM DIFFERENT RAW MATERIALS TO STRENGTH OF BONE CEMENT**  
TUĞRUL N., PIŞKİN M. B., DUMANLI F. T., KARAMAHMUT MERMER N., ÖZTÜRK Ö. C., GELİBOLU N.  
ENGINEERING SCIENCES, vol.9, no.2, pp.990-1000, 2020 (Peer-Reviewed Journal)
- III. **Synthesis of Bionanocomposite Films with PLA/Halloysite**  
Karakaş S. B., Pişkin M. B., Tuğrul N.  
Eurasian Journal of Biological and Chemical Sciences, vol.3, pp.38-41, 2020 (Peer-Reviewed Journal)
- IV. **Zinc Adsorption Determination of H<sub>2</sub>SO<sub>4</sub> Activated Pomegranate Peel**  
Türkmen Koç Ş. N., Kıpçak A. S., Pişkin M. B., Derun E., Tuğrul N.  
Academy of Science, Engineering and Technology International Journal of Environmental and Ecological Engineering, vol.13, no.2, pp.76-79, 2019 (Peer-Reviewed Journal)
- V. **Investigation of Utilization Possibility of Fluid Gas Desulfurization Waste for Industrial Waste Water Treatment**  
Kızıлтаş Demir S., Kıpçak A. S., Derun E., Tuğrul N., Pişkin S.  
International Journal of Chemical and Molecular Engineering, vol.9, no.12, pp.1503-1507, 2015 (Peer-Reviewed Journal)
- VI. **Determination of the Zinc Oxide and Boric Acid Optimum Molar Ratio on the Ultrasonic Synthesis of Zinc Borates**  
Erşan A. C., Kıpçak A. S., Yıldırım M., Erayvaz A. M., Derun E., Tuğrul N., Pişkin S.  
World Academy of Science, Engineering and Technology International Journal of Chemical and Molecular Engineering, vol.9, no.12, pp.1444-1447, 2015 (Peer-Reviewed Journal)
- VII. **Zinc Borate Synthesis Using Hydrozincite and Boric Acid with Ultrasonic Method**  
Vardar D. S., Kıpçak A. S., Şenberber F. T., Derun E., Tuğrul N., Pişkin S.  
International Journal of Chemical and Molecular Engineering, vol.9, no.8, pp.1052-1055, 2015 (Peer-Reviewed Journal)
- VIII. **The Adsorption of Zinc Metal in Waste Water Using ZnCl<sub>2</sub> Activated Pomegranate Peel**  
Türkmen Ş. N., Kıpçak A. S., Tuğrul N., Derun E., Pişkin S.  
International Journal of Materials and Metallurgical Engineering, vol.9, pp.477-480, 2015 (Peer-Reviewed Journal)
- IX. **The Effect of Solution Density on the Synthesis of Magnesium Borate from Boron-Gypsum**

Tuğrul N., Sarıburun E., Şenberber F. T., Kıpçak A. S., Derun E., Pişkin S.

International Journal of Chemical, Molecular, Nuclear, Materials and Metallurgical Engineering, vol.8, pp.1117-1121, 2014 (Peer-Reviewed Journal)

- X. **The Effect of Sodium Bicarbonate on the Mg and P Concentrations in Turkish Black and Green Tea**  
Derun E., Yalçın T., Dere Özdemir Ö., Kıpçak A. S., Tuğrul N., Pişkin S.  
International Journal of Environmental and Ecological Engineering, vol.8, no.6, pp.570-573, 2014 (Peer-Reviewed Journal)
- XI. **The Determination of the Zinc Sulfate, Sodium Hydroxide and Boric Acid Molar Ratio on the Production of Zinc Borates**  
Tuğrul N., Kıpçak A. S., Derun E., Pişkin S.  
International Journal of Materials and Metallurgical Engineering, vol.8, no.7, pp.639-643, 2014 (Peer-Reviewed Journal)
- XII. **Synthesis of Magnesium Borates from the Slurries of Magnesium Wastes by Microwave Energy**  
Tuğrul N., Şenberber F. T., Kıpçak A. S., Derun E., Pişkin S.  
International Journal of Chemical, Molecular, Nuclear, Materials and Metallurgical Engineering, vol.8, no.7, pp.644-648, 2014 (Peer-Reviewed Journal)
- XIII. **Solid State Synthesis of Chlorine Containing Dehydrated Magnesium Borates**  
KIPÇAK A. S., İBROŞKA T., TUĞRUL N., DERUN E., PİŞKİN S.  
Sigma Journal of Engineering and Natural Sciences, vol.32, pp.201-210, 2014 (ESCI)
- XIV. **The Optimization of Copper Sulfate and Tincalconite Molar Ratios on the Hydrothermal Synthesis of Copper Borates**  
Derun E., Tuğrul N., Şenberber F. T., Kıpçak A. S., Pişkin S.  
International Journal of Chemical and Molecular Engineering, vol.8, pp.1152-1156, 2014 (Peer-Reviewed Journal)
- XV. **The Cadmium Adsorption Study by Using Seyitomer Fly Ash Diatomite and Molasses in Wastewater**  
Tuğrul N., Derun E., Çınar E., Kıpçak A. S., Acaralı N., Pişkin S.  
International Journal of Chemical and Molecular Engineering, vol.8, pp.1113-1116, 2014 (Peer-Reviewed Journal)
- XVI. **Some Essential Element Concentrations of Turkish Rosehip Teas**  
PİŞKİN M. B., DERE ÖZDEMİR Ö., KIPÇAK A. S., TUĞRUL N., DERUN E.  
Advanced Science Letters, vol.19, pp.3148-3150, 2013 (Scopus)
- XVII. **Microwave Dehydration Behaviour of Admontite Mineral at 360W**  
Derun E., Senberber F. T., Kipçak A. S., Tugrul N., Piskin S.  
International Journal of Materials and Metallurgical Engineering, vol.7, no.7, pp.491-494, 2013 (Peer-Reviewed Journal)
- XVIII. **Temperature Effect on the Solid-State Synthesis of Dehydrated Zinc Borates**  
Tuğrul N., Acaralı N., Kıpçak A. S., Derun E., Pişkin S.  
World Academy of Science, Engineering and Technology International Journal of Materials and Metallurgical Engineering, no.7, pp.262-265, 2013 (Peer-Reviewed Journal)
- XIX. **Evaluation of Hydrated Calcium Borate Minerals with Neutron Absorption Properties**  
Kıpçak A. S., Derun E., Tugrul N., Piskin S.  
Chimica Acta Turcica, vol.35, no.1, pp.27-38, 2013 (Peer-Reviewed Journal)
- XX. **Combined Hydrothermal Synthesis of Zinc and Magnesium Borates at 100oC using ZnO, MgO and H3BO3**  
Tuğrul N., Kıpçak A. S., Acaralı N., Derun E., Pişkin S.  
International Journal of Materials and Metallurgical Engineering, vol.7, no.9, pp.703-707, 2013 (Peer-Reviewed Journal)
- XXI. **Effects of Mole Ratio to Chlorine Added Magnesium at Borate Synthesis 1000°C Using the Raw Materials of Magnesium Chloride, Magnesium Oxide and Boric Acid**  
Pişkin S., Gürel S., Şenberber F. T., Kıpçak A. S., Derun E., Tuğrul N.  
Journal of International Scientific Publications: Materials, Methods and Technologies, vol.7, pp.362-372, 2013 (Peer-Reviewed Journal)
- XXII. **Characterization of Catalagzi Fly Ash for Heavy Metal Adsorption**

- TUĞRUL N., ACARALI N., KOLEMEN S., DERUN E., PİŞKİN S.  
International Journal of Chemical, Materials Science and Engineering, 2012 (Peer-Reviewed Journal)
- XXIII. **Evaluation of Tincalconite as a Neutron Shielding Material and Confront with Borax and Colemanite**  
KIPÇAK A. S., DERUN E., TUĞRUL N., PİŞKİN S.  
International Review of Chemical Engineering Rapid Communications (IRECHE), vol.2, pp.845-851, 2010 (Peer-Reviewed Journal)
- XXIV. **Characterization and Evaluation of Borax as a Neutron Shielding Material**  
KIPÇAK A. S., DERUN E., TUĞRUL N., PİŞKİN M. B.  
2009 Annual Bulletin of the Australian Institute of High Energetic Materials, vol.1, pp.149-156, 2010 (Peer-Reviewed Journal)
- XXV. **Investigation of the Non-isothermal Kinetics of Inyoite**  
Arslan G., Tuğrul N., Pişkin M. B., Derun E.  
2009 Annual Bulletin of the Australian Institute of High Energetic Materials, vol.1, pp.63-67, 2010 (Peer-Reviewed Journal)
- XXVI. **The Analysis of the Boron Amounts in Coffees By The Method of ICP OES**  
DERE ÖZDEMİR Ö., KIPÇAK A. S., DERUN E., TUĞRUL N., PİŞKİN M. B.  
International Review of Chemical Engineering Rapid Communications (IRECHE), vol.2, pp.326-328, 2010 (Peer-Reviewed Journal)
- XXVII. **Effects of Various Parameters on Zinc Borate Production by Using Zinc Carbonate**  
Acaralı N., Pişkin M. B., Derun E., Tuğrul N.  
2009 Annual Bulletin of the Australian Institute of High Energetic Materials, vol.1, pp.12-16, 2010 (Peer-Reviewed Journal)
- XXVIII. **The Effect of Process Parameters on Yield for Zinc Borate Production**  
ACARALI N., DERUN E., TUĞRUL N., PİŞKİN M. B.  
International Review of Chemical Engineering (I.R.E.C.H.E.), 2010 (Peer-Reviewed Journal)
- XXIX. **Pirit Külü Atıklarının Pik Demir Üretiminde Kullanılmak Üzere Peletlenmesi**  
Derun E., Tuğrul N., Pişkin M. B., Pişkin S.  
Sigma Mühendislik ve Fen Bilimleri Dergisi, no.3, pp.118-125, 2005 (Peer-Reviewed Journal)
- XXX. **Maydanozun Kurutma Karakteristiklerinin İncelenmesi**  
DOYMAZ İ., TUĞRUL N., PALA M.  
Yıldız Teknik Üniversitesi Dergisi, vol.2003, no.3, pp.1-8, 2003 (Peer-Reviewed Journal)
- XXXI. **Dereotunun Kuruma Karakteristiklerinin İncelenmesi**  
TUĞRUL N., DOYMAZ İ., PALA M.  
GIDA, no.6, pp.403-407, 2001 (Peer-Reviewed Journal)

## **Refereed Congress / Symposium Publications in Proceedings**

- I. **Spectroscopic Study on the Reaction of Lanthanum Hydroxide and Boric Acid**  
Argün S., Şenberber F. T., Kıpçak A. S., Tuğrul N., Derun E.  
5th Conference on Advances in Mechanical Engineering, İstanbul, Turkey, 17 - 19 December 2019, pp.1225-1229
- II. **Levrek Balığının Mikrodalga Fırında Kurutma Karakteristiğinin İncelenmesi**  
Alkan B. S., Kıpçak A. S., Tuğrul N.  
2nd International Congress on Studies Academic Students, İstanbul, Turkey, 26 - 27 April 2019, pp.121-129
- III. **Drying Characteristics of Shrimp by Using the Method of Oven**  
Şimşek İ. A., Doğan S. N., Kıpçak A. S., Derun E., Tuğrul N.  
ICEBESE 2018: 20th International Conference on Environmental, Biological, Ecological Sciences and Engineering, Barcelona, Spain, 29 - 30 October 2018, pp.1867-1870
- IV. **Adsorption Study of Zinc Metal in Synthetic Waste Waters using Hydroxyapatite Produced from Çayırhan Coal Plant Waste**  
Kızıldaş Demir S., Kıpçak A. S., Derun E., Pişkin M. B., Tuğrul N.

International Eurasian Conference on Biological and Chemical Sciences, Ankara, Turkey, 26 - 27 April 2018, pp.1292

- V. **The Effect of Different Boron Sources on the Solid-State Synthesis of Dehydrated Potassium Borates at 700 °C**  
KIPÇAK A. S., TUĞRUL N., Tor T., PIŞKİN M. B., DERUN E.  
International Eurasian Conference on Biological and Chemical Sciences, Ankara, Turkey, 26 April 2018, pp.1242
- VI. **Microwave- and Ultrasound-Assisted Extraction of Pectin from Mandarin Peel**  
Karbuz P., Kıpçak A. S., Derun E., Tuğrul N.  
International Eurasian Conference on Biological and Chemical Sciences, Ankara, Turkey, 26 - 27 April 2018, pp.166-173
- VII. **The Effect of Extraction Time and Sodium Bicarbonate amount on the Decomposition of Caffeine**  
Erdoğan B., Demir F., Kıpçak A. S., Tuğrul N., Doymaz İ., Derun E.  
International Conference on Energy and Thermal Engineering, İstanbul, Turkey, 25 - 28 April 2017, pp.392-395
- VIII. **A Review Study on the Production of Manganese Borates**  
Özyılmaz M., Kıpçak A. S., Tuğrul N., Derun E.  
International Conference on Energy and Thermal Engineering, İstanbul, Turkey, 23 - 28 April 2017, pp.391-394
- IX. **Calcination Temperature Determination on the Synthesis of Manganese Borates from Manganese Sulfate Monohydrate**  
Fırat E., Kıpçak A. S., Derun E., Tuğrul N.  
International Conference on Energy and Thermal Engineering, İstanbul, Turkey, 25 - 28 April 2017, pp.1015-1019
- X. **Investigation of the zinc metal adsorption behaviour of watermelon rinds activated with ZnCl<sub>2</sub> and treated with microwave**  
Yılmaz Ö., Kıpçak A. S., Pişkin M. B., Tuğrul N.  
Conference on Advances in Mechanical Engineering, İstanbul, Turkey, 10 - 13 May 2016, pp.488-492
- XI. **Investigation of Temperature Effect on the Synthesis of Hydroxyapatite from Flue Gas Desulfurization Waste**  
Kızıldaş Demir S., Kıpçak A. S., Tuğrul N., Pişkin S.  
Conference on Advances in Mechanical Engineering, İstanbul, Turkey, 10 - 13 May 2016, pp.497-501
- XII. **Parametric investigation of the recycling boric acid from boron gypsum**  
Pişkin S., Kıpçak A. S., Senberber F. T., Yıldırım M., Tuğrul N., Derun E.  
TMS 2015 144th Annual Meeting Exhibition, Florida, United States Of America, 15 - 19 March 2015, pp.1
- XIII. **Zinc chloride sodium hydroxide and boric acid molar ratio determination for the production of zinc borates**  
Pişkin M. B., Kıpçak A. S., Yıldırım M., Senberber F. T., Tuğrul N., Derun E.  
TMS 2015 144th Annual Meeting Exhibition, Florida, United States Of America, 15 - 19 March 2015, pp.1
- XIV. **Determination of the zinc sulfate, tincalconite and boric acid molar ratio in the production of zinc borates**  
Kıpçak A. S., Şenberber F. T., Derun E., Tuğrul N., Pişkin S.  
CHEMTECH '14: Chemical Technologies and Chemical Engineering Conference., İstanbul, Turkey, 23 - 25 October 2014, pp.131-138
- XV. **The Determination of the Cr and Fe Contents in Turkish Fennel and Mint Teas after Carbonate Addition**  
Kıpçak A. S., Yalçın T., Dere Özdemir Ö., Derun E., Tuğrul N., Pişkin S.  
International Journal of Arts & Sciences Annual Multidisciplinary conference., Vienna, Austria, 01 April 2014, pp.1
- XVI. **Investigation of the Boron Nitrate Compound for the Use of Neutron Shield**  
PIŞKİN S., KIPÇAK A. S., DERUN E., TUĞRUL N.  
Anniversary Scientific Conference with International Participation, University of Chemical Technology and Metallurgy, Sofia, Bulgaria, 04 June 2013
- XVII. **Low Temperature Solid-State Zinc Borate Synthesis from ZnO and H<sub>3</sub>BO<sub>3</sub>**  
Kıpçak A. S., Acaralı N., Derun E., Tuğrul N., Pişkin S.  
ICCEE 2013: International Conference on Chemical and Environmental Engineering, Berlin, Germany, 22 - 23 May

2013, pp.480-484

- XVIII. A Study on Catalagzi Fly Ash for Pb Adsorption**  
Tuğrul N., Acaralı N., Kölemen Ş., Derun E., Pişkin S.  
ICCCE 2013: International Conference on Chemistry and Chemical Engineering, Amsterdam, Netherlands, 15 - 16 May 2013, pp.431-435
- XIX. Katı-Hal Yöntemiyle 500oC de Susuz Çinko Borat Üretimi**  
Koc S. N. T., Dereli I. E., Kıpçak A. S., Acaralı N., Derun E., Tuğrul N., Pişkin S.  
2. Ulusal Kimya Mühendisliği Öğrenci Kongresi (UKMÖK2), Ankara, Turkey, 4 - 06 May 2013, pp.53-55
- XX. Çinko ve Magnezyum Boratların Aynı Ortamda 90°C'de Hidrotermal Yöntem ile Üretimi**  
Dur F., Kavcı S., Kıpçak A. S., Acaralı N., Derun E., Tuğrul N., Pişkin S.  
2. Ulusal Kimya Mühendisliği Öğrenci Kongresi (UKMÖK2), Ankara, Turkey, 4 - 06 May 2013, pp.42-44
- XXI. Study on Characterization of Tuncbilek Fly Ash**  
Kıpçak A. S., Acaralı N., Kölemen Ş., Tuğrul N., Derun E., Pişkin S.  
ICESE 2012: International Conference on Environmental Science and Engineering, Amsterdam, Netherlands, 25 - 26 July 2012, pp.892-895
- XXII. The Effect of Propylene Glycol on Zinc Borate Yield and Hydrophobicity**  
ACARALI N., BARDAKCI M., ÖZTÜRK E., DERE OZDEMİR O., TUGRUL N., PIŞKİN S.  
17th International Symposium on Boron, Borides and Related Materials, ISBB 2011, İTÜ, İstanbul, İstanbul, Turkey, 11 September 2011
- XXIII. Influence of Various Modifying Agents on Hydrophobicity of Zinc Borate**  
ACARALI N., TUGRUL N., DERUN E. M., PIŞKİN M. B.  
17th International Symposium on Boron, Borides and Related Materials, ISBB 2011, İstanbul, Turkey, 11 September 2011
- XXIV. Synthesis of Zinc Borate: Effects of Different Modifying Agents and Isopropyl Alcohol on Yield and Hydrophobicity by Using Zinc Carbonate**  
TUĞRUL N., ACARALI N.  
2011 International Conference on Chemistry and Chemical Process, ICCCP 2011, Bangkok, Thailand, 07 May 2011
- XXV. A Study on the Hydrophobicity and Investigation of Physical and Chemical Properties of Produced Zinc Borate**  
Pişkin M. B., Acaralı N., Tuğrul N., Derun E., Akgül O.  
TMS 2011 Annual Meeting-Exhibition, California, United States Of America, 27 February - 03 March 2011, vol.3, pp.373-377
- XXVI. Investigation of Reaction Conditions Effecting Hydrophobicity on Zinc Borate Yield**  
Pişkin S., Acaralı N., Derun E., Tuğrul N.  
TMS 2011 Annual Meeting-Exhibition, California, United States Of America, 27 February - 03 March 2011, vol.3, pp.379-383
- XXVII. Investigation of Implant Materials Properties in Human Body**  
Pişkin M. B., Derun E., Tuğrul N.  
16th International Biomedical Science and Technology Symposium, İstanbul, Turkey, 28 September - 02 October 2010, pp.82
- XXVIII. A Study on Structural Degradations of Urinary Catheters**  
Pişkin M. B., Derun E., Tuğrul N., Tekin B.  
16th International Biomedical Science and Technology Symposium, İstanbul, Turkey, 28 September - 02 October 2010, pp.82
- XXIX. Effect of Calcination Temperature on the Morphology of Plating Sludge**  
TUĞRUL N., DERE ÖZDEMİR Ö., PIŞKİN S.  
World Congress on Engineering (WCE 2010), 30 June - 02 July 2010
- XXX. A Study on Individual Usage of Zinc Carbonate and Zinc Oxide to Product Zinc Borate**  
TUĞRUL N., ACARALI N., PIŞKİN S.  
6th Chemical Engineering Conference for Collaborative Research in Eastern Mediterranean Countries-EMCC 6, Antalya, Turkey, 07 March 2010

- XXXI. **Kinetic Study of the Thermal Dehydration of Inyoite Mineral**  
Sarı Yılmaz M., Arslan G., Tuğrul N., Pişkin M. B., Derun E.  
2009 Multilingual Interdisciplinary Conference on Chemical, Mechanical and Materials Engineering, Melbourne, Australia, 7 - 20 December 2009, pp.181-184
- XXXII. **An Investigation on the Production of Zinc Borate**  
Acaralı N., Tuğrul N., Derun E., Pişkin M. B.  
4th International Boron Symposium, Osmangazi Üniversitesi, Eskişehir, Turkey, 15 - 17 October 2009, pp.215-221
- XXXIII. **Pandermit ve Üleksit'in Nötron Zırh Malzemesi Olarak Değerlendirilmesi ve Kolemanit ile Kıyaslanması**  
Kıpçak A. S., Derun E., Pişkin M. B., Tuğrul N.  
Nuclear&Renewable Energy Resources Conference with International Participation, Ankara, Turkey, 28 - 29 September 2009, pp.519-524
- XXXIV. **The Synthesis of Zinc Borate Using Zinc Carbonate**  
Acaralı N., Pişkin M. B., Derun E., Tuğrul N.  
World Conference Series with Virtual Participation: 2009 Interdisciplinary Conference on Chemical, Mechanical and Materials Engineering (2009 ICCMME), Australian Institute of High Energetic Materials in Melbourne, Australia, Melbourne, Australia, 7 - 20 December 2009, pp.55-60
- XXXV. **The Evaluation of the Inyoite Mineral as a Neutron Shielding Material**  
Kıpçak A. S., Derun E., Pişkin M. B., Tuğrul N.  
3rd Balkan Mining Congress, İzmir, Turkey, 1 - 03 October 2009, pp.181-187
- XXXVI. **Betonda Pandermit'in Nükleer Soğurma Amaçlı Değerlendirilmesi**  
Kıpçak A. S., Derun E., Tuğrul N., Pişkin M. B.  
7th International Mineral Symposium and Exhibition, Aydın, Turkey, 25 - 27 February 2009, pp.142-147
- XXXVII. **The Use of Ulexite (NaCaB<sub>5</sub>O<sub>9</sub>.8H<sub>2</sub>O) in Concrete Production for Nuclear Absorption**  
Kıpçak A. S., Pişkin M. B., Tuğrul N., Derun E.  
7 th International Industrial Minerals Symposium and Exhibition, Aydın, Turkey, 25 - 27 February 2009, pp.1
- XXXVIII. **Optimization of Energy Parameters Indemnification of Impurity Levels in Lead and Bismuth**  
DERUN E., Tuğrul N.  
XXI Congress and General Assembly of the International Union of Crystallography (IUCR 2008), 01 August 2008
- XXXIX. **Bioenvironmental Advantages of Pyrite Ashes Pellets Reduction for Iron Production**  
Pişkin M. B., Tuğrul N., Derun E., Ekerim A.  
The International Youth Science Environmental Forum of Baltic Region Countries, 26-28 June, St.-Petersburg, Russia, Sankt-Peterburg, Russia, 26 - 28 June 2008, pp.1
- XL. **Pelletization of Fly Ashes as a Lightweight Aggregate**  
Lkhagva T., Derun E., Tuğrul N., Pişkin S.  
Uluslararası Beton 2008 Kongresi, İstanbul, Turkey, 19 - 21 June 2008, pp.166-175
- XLI. **Vitrification of Industrial Waste with Production of Supremax Glass and Flat Glass**  
Pişkin M. B., Tuğrul N., Derun E., Türkkal İ.  
The Tenth International Symposium on Environmental Issues and Waste Management in Energy and Mineral Production (SWEMP2007), 11-13 December, Bangkok, Thailand, Bangkok, Thailand, 11 - 13 December 2007, pp.663-675
- XLII. **Utilization of the Treatment Plant's Sludge as a Glass**  
Pişkin M. B., Tuğrul N., Derun E., Türkkal İ. M.  
6th International Conference on Technologies For Waste and Wastewater Treatment Energy from Waste, Kalmar, Sweden, 26 - 28 November 2007, pp.145-155
- XLIII. **Reduction of Pyrite Ashes Pellets for Iron Production**  
Tuğrul N., Derun E., Pişkin M. B., Ekerim A.  
XVIII. Ulusal Elektron Mikroskopi Kongresi, Eskişehir, Turkey, 26 - 29 August 2007, pp.68
- XLIV. **Utilization of Fly Ashes, Boric Acid and Borax Wastes in Cement and Concrete Production**  
Derun E., Tuğrul N., Pişkin S.  
The Twenty-first International Conference on Solid Waste Technology and Management, New Jersey, United States

Of America, 19 - 21 March 2007, pp.950-960

- XLV. Pelletization of Pyrite Ash Wastes by Using Calcium Hydroxide, Calcium Chloride and Bentonite for Iron Ore Production**  
Pişkin M. B., Tuğrul N., Derun E.  
The Twenty-first International Conference on Solid Waste Technology and Management, Philadelphia, PA U.S.A, 19-21 March, Pennsylvania, United States Of America, 19 - 21 March 2007, pp.961-976
- XLVI. NaBH<sub>4</sub> ün Hidrojen Depolama Kapasitesinin Belirlenmesi**  
Kantürk Figen A., Derun E., Tuğrul N., Pişkin S.  
III. Ulusal Hidrojen Kongresi (UHK 2006), İstanbul, Turkey, 17 July 2006, pp.185-188
- XLVII. Pirit Külü Atıklarının Pik Demir Üretiminde Kullanılmak Üzere Peletlenmesi**  
Tuğrul N., Derun E., Pişkin S.  
2. Demir-Çelik Sempozyumu, Zonguldak, Turkey, 22 - 24 October 2003, pp.131-137
- XLVIII. Recycling Heavy Metals from the Leach of Pyrite Ash Wastes**  
Tuğrul N., Derun E., Pişkin M. B., Pişkin S.  
X. Balkan Mineral Processing Congress, Varna, Bulgaria, 15 - 20 June 2003, pp.271-274
- XLIX. Pelletization of Pyrite Ash Wastes for Utilization in Iron Production Industry**  
Tuğrul N., Derun E., Pişkin M. B., Pişkin S.  
X. Balkan Mineral Processing Congress, Varna, Bulgaria, 15 - 20 June 2003, pp.825-830
- L. Evaluation of pyrite ash wastes obtained by the sulfuric acid production industry**  
Tugrul N., Derun E. M., Piskin M., Piskin S.  
8th International Conference on Environmental Science and Technology, Lemnos Isl, Greece, 8 - 10 September 2003, pp.918-925
- LI. Evaluation of the Combustion Characteristics of Zonguldak Coals by Using TG-DTG-DTA**  
Sutcu H., Elbeyli İ., Derun E., Tugrul N., Piskin S.  
The Fifth International Conference on Chemical Physics, İstanbul, Turkey, 31 October - 01 November 2002, pp.81
- LII. Investigation on Drying Characteristics of Parsley and Dill**  
DOYMAZ İ., TUĞRUL N., PALA M.  
Food 2000 - Blacksea and Central Asian Symposium on Food Technology, Ankara, Turkey, 12 October 2000, pp.76

## Supported Projects

- KIPÇAK A. S., ÖZYALÇIN Z. Ö., DOYMAZ İ., DERUN E., TUĞRUL N., UYGUNÖZ D., Project Supported by Higher Education Institutions, Çeşitli Deniz Ürünlerinin Yeni Nesil Dondurarak Kurutma Yöntemi ile Kurutma Karakteristiklerinin Belirlenmesi ve Ultrasonik Önışlemin Etkisinin İncelenmesi, 2021 - 2022
- TUĞRUL N., Argun S., KIPÇAK A. S., DERUN E., ŞENBERBER F. T., Project Supported by Higher Education Institutions, Farklı Morfolojilere Sahip Yüksek Teknoloji Ürünü Lantanborat Üretimi, 2019 - 2022
- TUĞRUL N., Erşan A. C., Project Supported by Higher Education Institutions, Deniz Ürünlerinin Farklı Yöntemlerle Kurutma Karakteristiklerinin İncelenmesi ve Ağır Metal İçeriklerinin Belirlenmesi, 2019 - 2021
- KIPÇAK A. S., TUĞRUL N., DERUN E., DOYMAZ İ., Sevim S., SÜNGÜ S., ASLANBEY S., Project Supported by Higher Education Institutions, Mavi Midyenin Geneleksel Yöntemler ile Kurutma Karakteristiklerinin İncelenmesi ve Yenilikçi Yöntemler ile Kıyaslanması, 2018 - 2020
- DERUN E., DEMİR F., TUĞRUL N., KIPÇAK A. S., YILDIRIM M., Project Supported by Higher Education Institutions, Endüstriyel Atıklardan Alüminosilikat Yapılı Adsorbanların Üretimi ve Sulardan Ağır Metal Adsorpsiyonunda Kullanılması, 2017 - 2020
- TUĞRUL N., KARBUZ P., Project Supported by Higher Education Institutions, Çeşitli Gıda Atıklarından Farklı Ekstraksiyon Yöntemleri ve Çeşitli Çözücüler Kullanılarak Pektin Eldesi, 2018 - 2019
- Tuğrul N., Project Supported by Higher Education Institutions, Mikrodalga yöntemiyle aktifleştirilen farklı meyve kabuklarının adsorpsiyon özelliklerinin incelenmesi, 2016 - 2016
- TUĞRUL N., Project Supported by Higher Education Institutions, Farklı Endüstriyel Atıklardan Sentezlenen Hidroksiapatitin Adsorban Olarak Kullanılmasıyla Atık Sulardan Ağır Metal Geri Kazanımı, 2015 - 2016

TUĞRUL N., Project Supported by Higher Education Institutions, FARKLI BOR VE ÇİNKO KAYNAKLARINDAN ULTRASONİK YÖNTEM İLE ÇİNKO BORAT ÜRETİMİ VE KARAKTERİZASYONU, 2015 - 2015

Tuğrul N., Pişkin S., Pişkin M. B., Derun E., Acaralı N., Kantürk Figen A., Kıpçak A. S., Sarı Yılmaz M., Dere Özdemir Ö., Project Supported by Higher Education Institutions, Farklı Bölgelerden Alman Uçucu Küllerin Ağır Metal İyonlarının Adsorbansı Üzerinde Etkilerinin İncelenmesi, 2013 - 2015

TUĞRUL N., KIPÇAK A. S., SARI YILMAZ M., ACARALI N., Project Supported by Higher Education Institutions, Farklı Bölgelerden Alman Uçucu Küllerin Ağır Metal İyonlarının Adsorbansı Üzerinde Etkilerinin İncelenmesi, 2011 - 2014  
Derun E., Pişkin M. B., Tuğrul N., Kıpçak A. S., Kantürk Figen A., Sarı Yılmaz M., Acaralı N., D. Özdemir Ö., Şenberber F. T., Yıldırım M., Project Supported by Higher Education Institutions, Farklı Magnezyum ve Bor Kaynaklarından Magnezyum Boratların Üretimi Karakterizasyonu ve Üretimi Etkileyen Faktörlerin İncelenmesi, 2011 - 2013

Derun E., Dere Dere Özdemir Ö., Tuğrul N., Pişkin S., Project Supported by Other Official Institutions, Çeşitli Bileşiklerden Hidrojen Üretimi ve Yakıt Pili Geliştirilmesi (Havuz Proje) ve Türk Bor Bileşiklerinden Sodyumtetraborat Üretimi, 2003 - 2010

Derun E., Pişkin M. B., Tuğrul N., Pişkin S., Project Supported by Other Official Institutions, Termoelektrik Soğutucularda Kullanılmak Üzere p-tipi Bi<sub>2</sub>Te<sub>3</sub>-Sb<sub>2</sub>Te<sub>3</sub>, n-tipi Bi<sub>2</sub>Te<sub>3</sub>-Bi<sub>2</sub>Se<sub>3</sub> Yarı İletken Metal Alaşımlarının Üretimi ve Özelliklerinin İncelenmesi, 2003 - 2006

Derun E., Pişkin S., Tuğrul N., Yakar Elbeyli İ., Project Supported by Higher Education Institutions, Mikroorganizma Etkisiyle Linyitlerin Depolimerizasyonu, Sıvı Yakıt Eldesi, Oluşan Ürünlerin Yeni Kimyasal Maddeler Olarak Değerlendirilmesi, Proje No: 23-07-01-01, 2003 - 2005

Derun E., Marşoğlu M., Pişkin S., Tuğrul N., Project Supported by Higher Education Institutions, Bandırma Etibank Sülfürik Asit Fabrikasından Çıkan Kalsine Pirit Külünün Yüksek Fırın Hammaddesi Olarak Değerlendirilmesi ve Pik Demir Üretiminde Kullanılması, 2000 - 2005

## Metrics

Publication: 123

Citation (WoS): 360

Citation (Scopus): 454

H-Index (WoS): 12

H-Index (Scopus): 11

## Congress and Symposium Activities

ICEBESE 2018: 20th International Conference on Environmental, Biological, Ecological Sciences and Engineering, Attendee, Barcelona, Spain, 2018

International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2018), Attendee, Ankara, Turkey, 2018

ICEBESE 2015: 17th International Conference on Environmental, Biological and Ecological Sciences and Engineering, Attendee, Italy, 2015

ICCCE 2013: International Conference on Chemistry and Chemical Engineering,, Attendee, Amsterdam, Netherlands, 2013

ICCE 2012: International Conference on Chemical Engineering, Attendee, Paris, France, 2012

2011 International Conference on Chemistry and Chemical Process (ICCCP 2011), Attendee, Thailand, 2011

World Congress on Engineering (WCE 2010), Attendee, London, United Kingdom, 2010

6th Chemical Engineering Conference for Collaborative Research in Eastern Mediterranean Countries (EMCC-6), Attendee, Antalya, Turkey, 2010

XVIII. Ulusal Elektron Mikroskopi Kongresi, Attendee, Eskişehir, Turkey, 2007

The Twenty-first International Conference on Solid Waste Technology and Management, Attendee, United States Of America, 2007

8th International Conference on Environmental Science and Technology,, Attendee, Greece, 2003

X. Balkan Mineral Processing Congress, Attendee, Varna, Bulgaria, 2003

Blacksea and Central Asian Symposium on Food Technology, Attendee, Ankara, Turkey, 2000

## Awards

TUĞRUL N., SCI –Expanded kapsamında dergilerde 2013-2014 döneminde yayın yapan Yardımcı Doçentler arasında yer almak, Yıldız Teknik Üniversitesi, January 2015

TUĞRUL N., SCI –Expanded kapsamında dergilerde 2012-2013 döneminde en fazla yayın yapan Yardımcı Doçentler arasında 3. sırada yer almak, Yıldız Teknik Üniversitesi, January 2014

TUĞRUL N., SCI –Expanded kapsamında dergilerde 2012-2013 döneminde yayın yapan öğretim üyeleri arasında yer almak, Yıldız Teknik Üniversitesi, January 2014

TUĞRUL N., SCI –Expanded kapsamında dergilerde 2009-2010 döneminde yayın yapan öğretim üyeleri arasında yer almak, Yıldız Teknik Üniversitesi, January 2011

TUĞRUL N., SCI –Expanded kapsamında dergilerde 2007-2009 döneminde yayın yapan öğretim üyeleri arasında yer almak, Yıldız Teknik Üniversitesi, January 2010

TUĞRUL N., SCI –Expanded kapsamında dergilerde 2006-2007 döneminde yayın yapan öğretim üyeleri arasında yer almak, Yıldız Teknik Üniversitesi, January 2008

TUĞRUL N., SCI –Expanded kapsamında dergilerde 2006-2007 döneminde en fazla yayın yapan Yardımcı Doçentler arasında 3. sırada yer almak, Yıldız Teknik Üniversitesi, January 2008