

## Prof. Osman İSMAİL

### Personal Information

**Office Phone:** [+90 383 477 4](tel:+903834774)

**Email:** [ismail@yildiz.edu.tr](mailto:ismail@yildiz.edu.tr)

**Web:** <https://avesis.yildiz.edu.tr/ismail>

**Address:** Yıldız Teknik Üniversitesi Kimya Metalurji Fakültesi Kimya Mühendisliği Bölümü Davutpaşa Esenler

### International Researcher IDs

ORCID: 0000-0002-7814-6013

Publons / Web Of Science ResearcherID: AAZ-4688-2020

Yoksis Researcher ID: 173739

### Education Information

Doctorate, Yıldız Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Chemical Engineering, Turkey 1992 - 1999

Postgraduate, Yıldız Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Chemical Engineering, Turkey 1988 - 1991

Undergraduate, Yıldız Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Chemical Engineering, Turkey 1983 - 1987

### Foreign Languages

Greek, C2 Mastery

### Certificates, Courses and Trainings

Occupational Health and Safety, İş Sağlığı ve Güvenliği - Eğitim ve Katılım Belgesi, Yıldız Teknik Üniversitesi, 2017  
Environment and Sustainability, Tıbbi Atıkların Yönetimi, İSTAÇ, 2017

### Dissertations

Doctorate, Akrilik asit esaslı süper absorban jellerle ilgili çalışmalar, Yıldız Technical University, Graduate School Of Natural And Applied Sciences, 1999

Postgraduate, Türk üzümünün şartlandırılmış hava ile kurutulması, Yıldız Technical University, Graduate School Of Natural And Applied Sciences, 1991

### Research Areas

Agricultural Sciences, Engineering and Technology

### Academic Titles / Tasks

Professor, Yildiz Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Chemical Engineering, 2024 - Continues

Associate Professor, Yildiz Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Chemical Engineering, 2019 - 2024

Assistant Professor, Yildiz Technical University, Kimya Mühendisliği, 2018 - 2019

Assistant Professor, Yildiz Technical University, Kimya Metalurji , Kimya Mühendisliği, 2007 - 2018

## Academic and Administrative Experience

Farabi Coordinator, Yildiz Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Chemical Engineering, 2012 - Continues

## Courses

Girişimcilik ve Proje Yönetimi, Undergraduate, 2020 - 2021

## Advising Theses

İsmail O., Islak eğirme yöntemiyle doğal polimer esaslı yara örtüsünün eldesi ve yapısal özelliklerinin incelenmesi, Postgraduate, D.GENİŞ(Student), 2023

İsmail O., Mikrodalga ve infrared kurutma yöntemleri ile kurutulan vişnenin kurutma kinetiğinin ve kalite parametrelerinin incelenmesi, Postgraduate, G.GENİŞ(Student), 2022

İsmail O., Biyopolimerik Misellerin Sentezi ve Karakterizasyonu, Modifiye Edilmiş Anti-kanser İlaçların Kontrollü Salımında Kullanılması, Doctorate, Ö.GÖKÇE(Student), 2018

İsmail O., GÖZENEKLİ POLİMER JELLERİN GÖZENEKLİ YAPISINA ÇEŞİTLİ AJANLARIN ETKİSİ, Postgraduate, Ö.GÖKÇE(Student), 2012

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

- I. **Effect of Hot Air Drying Temperature on Drying Kinetics, Physico-Chemical Properties, and Energy Consumption of Culture Asparagus (*Asparagus officinalis* L.)**  
Gökçe Kocabay Ö., İsmail O., Doymaz İ.  
PERIODICA POLYTECHNICA: CHEMICAL ENGINEERING, vol.68, no.2, pp.253-264, 2024 (SCI-Expanded)
- II. **Design and Fabrication of Anticancer Drug-Loaded Poly( $\epsilon$ -caprolactone)-Poly(ethylene glycol)-Poly( $\epsilon$ -caprolactone) Micelles as Controlled Release System**  
İsmail O., Gökçe Kocabay Ö.  
CHEMISTRYSELECT, vol.8, no.4, pp.1-12, 2023 (SCI-Expanded)
- III. **Vacuum oven drying of mussels: mathematical modeling, drying characteristics and kinetics study**  
İSMAİL O., Gokce Kocabay O.  
BRITISH FOOD JOURNAL, vol.124, no.4, pp.1238-1253, 2022 (SCI-Expanded)
- IV. **Biodegradable Thermosensitive Injectable Poly( $\epsilon$ -caprolactone)-Poly(ethylene glycol)-Poly( $\epsilon$ -caprolactone) Based Hydrogels for Biomedical Applications**  
Gokce Kocabay O., Ismail O.  
POLYMER SCIENCE SERIES A, vol.63, no.5, pp.493-504, 2021 (SCI-Expanded)
- V. **Absorption and adsorption studies of polyacrylamide/sodium alginate hydrogels**  
İsmail O., Gokce Kocabay O.  
COLLOID AND POLYMER SCIENCE, vol.299, no.5, pp.783-796, 2021 (SCI-Expanded)
- VI. **Preparation and optimization of biodegradable self-assembled PCL-PEG-PCL nano-sized micelles for**

**drug delivery systems**

Kocabay O. G., İsmail O.

INTERNATIONAL JOURNAL OF POLYMERIC MATERIALS AND POLYMERIC BIOMATERIALS, vol.70, no.5, pp.328-337, 2021 (SCI-Expanded)

- VII. **Microwave drying of fish, chicken and beef samples**  
Kıpçak A. S., İsmail O.  
JOURNAL OF FOOD SCIENCE AND TECHNOLOGY-MYSORE, vol.58, no.1, 2021 (SCI-Expanded)
- VIII. **Investigation of the Effect of Combined Drying for Rainbow Trout Fillets and Comparison with Hot-air Drying**  
İSMAİL O., Kocabay O. G.  
TURKISH JOURNAL OF FISHERIES AND AQUATIC SCIENCES, vol.20, no.9, pp.701-709, 2020 (SCI-Expanded)
- IX. **MODELLING OF AAm-co-ALGINATE HYDROGELS SWELLING KINETICS**  
İSMAİL O.  
REVUE ROUMAINE DE CHIMIE, vol.64, no.7, pp.577-583, 2019 (SCI-Expanded)
- X. **Acrylamide based hydrogels in swelling and uptake of methylene blue from aqueous solutions**  
Kocabay O. G., İsmail O.  
MAIN GROUP CHEMISTRY, vol.18, pp.281-290, 2019 (SCI-Expanded)
- XI. **SYNTHESIS AND CHARACTERIZATION OF POLY(epsilon-CAPROLACTONE)-POLY(ETHYLENE GLYCOL)-POLY(epsilon-CAPROLACTONE) COPOLYMERS: INVESTIGATION OF THE EFFECT OF BLOCKS ON MICELLIZATION**  
Gokce Kocabay O., İsmail O.  
REVUE ROUMAINE DE CHIMIE, vol.63, pp.1157-1167, 2018 (SCI-Expanded)
- XII. **Infrared and Microwave Drying of Rainbow Trout: Drying Kinetics and Modelling**  
İSMAİL O., KOCABAY O. G.  
TURKISH JOURNAL OF FISHERIES AND AQUATIC SCIENCES, vol.18, no.2, pp.259-266, 2018 (SCI-Expanded)
- XIII. **DRYING KINETICS OF HOT-AIR DRIED BEEF MEAT: APPLICATION OF MATHEMATICAL MODELS, ENERGY CONSUMPTION, AND COLOR CHARACTERISTICS**  
İSMAİL O., Kocabay O. G.  
HEAT TRANSFER RESEARCH, vol.49, no.14, pp.1353-1366, 2018 (SCI-Expanded)
- XIV. **Comparison of the microwave drying kinetics of culture and natural asparagus**  
Kipçak A. S., İsmail O.  
ACTA SCIENTIARUM-TECHNOLOGY, vol.40, 2018 (SCI-Expanded)
- XV. **Investigation of rehydration kinetics of open-sun dried okra samples**  
KOCABAY O. G., İSMAİL O.  
HEAT AND MASS TRANSFER, vol.53, no.6, pp.2155-2163, 2017 (SCI-Expanded)
- XVI. **Open sun drying of green bean: influence of pretreatments on drying kinetics, colour and rehydration capacity**  
İSMAİL O., Figen A., Piskin S.  
HEAT AND MASS TRANSFER, vol.53, no.4, pp.1277-1288, 2017 (SCI-Expanded)
- XVII. **INVESTIGATION OF THE EFFECT OF A HYBRID DRYING METHOD ON THE COLOR QUALITY OF NECTARINE SLICES AND ENERGY CONSUMPTION**  
DEMIREL F. M., İSMAİL O.  
STUDIA UNIVERSITATIS BABES-BOLYAI CHEMIA, vol.62, no.1, pp.237-248, 2017 (SCI-Expanded)
- XVIII. **Investigation of rehydration kinetics of open-sun dried carrot slices**  
İSMAİL O.  
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.32, no.2, pp.355-361, 2017 (SCI-Expanded)
- XIX. **Thin-layer drying kinetics of nectarine slices using IR, MW and hybrid methods**  
İSMAİL O., KIPÇAK A. S., DOYMAZ İ., Piskin S.  
BULGARIAN CHEMICAL COMMUNICATIONS, vol.49, no.1, pp.92-100, 2017 (SCI-Expanded)
- XX. **AN EXPERIMENTAL AND MODELING INVESTIGATION ON DRYING OF CHICKEN MEAT IN CONVECTIVE**

## DRYER

İSMAİL O.

STUDIA UNIVERSITATIS BABES-BOLYAI CHEMIA, vol.62, no.4, pp.459-469, 2017 (SCI-Expanded)

- XXI. **Investigation of the effect of temperature and pretreatment on the rehydration capacities of dried nectarine slices** *Investigação do efeito da temperatura e do pré-tratamento na capacidade de reidratação das fatias secas da nectarina*  
SOYSAL F., İSMAİL O.  
Acta Scientiarum - Technology, vol.39, pp.551-558, 2017 (SCI-Expanded)
- XXII. **Evaluation of the drying methods and conditions with respect to drying kinetics, colour quality and specific energy consumption of thin layer pumpkins**  
İSMAİL O., KOCABAY O. G.  
BULGARIAN CHEMICAL COMMUNICATIONS, vol.48, no.3, pp.480-491, 2016 (SCI-Expanded)
- XXIII. **Effects of open-air sun drying and pre-treatment on drying characteristics of purslane (Portulaca oleracea L.)**  
İsmail O., Figen A., Piskin S.  
Heat and Mass Transfer/Waerme- und Stoffuebertragung, vol.51, pp.807-813, 2015 (SCI-Expanded)
- XXIV. **INVESTIGATION OF DEHYDRATION AND REHYDRATION KINETICS OF PEAS SUBJECTED TO OPEN-AIR SUN DRYING**  
İSMAİL O., Beyribey B., DOYMAZ İ.  
LATIN AMERICAN APPLIED RESEARCH, vol.44, no.3, pp.209-216, 2014 (SCI-Expanded)
- XXV. **Peleg and Weibull models for water absorption of copolymer gels crosslinked on polyethylene glycol dimethacrylates**  
Ismail O.  
RESEARCH ON CHEMICAL INTERMEDIATES, vol.40, no.4, pp.1327-1335, 2014 (SCI-Expanded)
- XXVI. **Modeling and Investigation of the Swelling Kinetics of Acrylamide-Sodium Acrylate Hydrogel**  
KIPÇAK A. S., İSMAİL O., DOYMAZ İ., Piskin S.  
JOURNAL OF CHEMISTRY, 2014 (SCI-Expanded)
- XXVII. **MODELING OF REHYDRATION KINETICS OF GREEN BELL PEPPERS**  
DOYMAZ İ., İSMAİL O.  
JOURNAL OF FOOD PROCESSING AND PRESERVATION, vol.37, no.5, pp.907-913, 2013 (SCI-Expanded)
- XXVIII. **OPEN-AIR SUN DRYING IN THRACE REGION OF GREECE: THE EXPERIMENTAL INVESTIGATION OF THYME AND MINT LEAVES**  
İSMAİL O., Beyribey B.  
LATIN AMERICAN APPLIED RESEARCH, vol.43, no.2, pp.137-142, 2013 (SCI-Expanded)
- XXIX. **Modeling of absorption kinetics of poly(acrylamide) hydrogels crosslinked by EGDMA and PEGDMAs**  
İSMAİL O., KIPÇAK A. S., Piskin S.  
RESEARCH ON CHEMICAL INTERMEDIATES, vol.39, no.3, pp.907-919, 2013 (SCI-Expanded)
- XXX. **Experimental characterization and modelling of drying of pear slices**  
DOYMAZ İ., İSMAİL O.  
FOOD SCIENCE AND BIOTECHNOLOGY, vol.21, no.5, pp.1377-1381, 2012 (SCI-Expanded)
- XXXI. **Devolatilization non-isothermal kinetic analysis of agricultural stalks and application of TG-FT/IR analysis**  
Figen A., İsmail O., Piskin S.  
Journal of Thermal Analysis and Calorimetry, vol.107, pp.1177-1189, 2012 (SCI-Expanded)
- XXXII. **Swelling Characterization of the Superabsorbent Copolymer in the Petroleum-Based Solvent-Water Mixtures**  
İSMAİL O., Beyribey B.  
JOURNAL OF MACROMOLECULAR SCIENCE PART A-PURE AND APPLIED CHEMISTRY, vol.49, no.5, pp.432-438, 2012 (SCI-Expanded)
- XXXIII. **Drying characteristics of sweet cherry**  
DOYMAZ İ., İSMAİL O.

- FOOD AND BIOPRODUCTS PROCESSING, vol.89, pp.31-38, 2011 (SCI-Expanded)
- XXXIV. **Removal of Water in Liquid Fuel with a Super Absorbent Copolymer**  
İSMAİL O., Beyribey B., TURHAN K.  
ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, vol.33, no.18, pp.1669-1677, 2011 (SCI-Expanded)
- XXXV. **Drying and Rehydration Behaviors of Green Bell Peppers**  
DOYMAZ İ., İSMAİL O.  
FOOD SCIENCE AND BIOTECHNOLOGY, vol.19, no.6, pp.1449-1455, 2010 (SCI-Expanded)
- XXXVI. **Effects of Dipping Solutions on Air-Drying Rates of the Seedless Grapes**  
İsmail O., Keyf S., Beyribey B., Corbacioglu B.  
FOOD SCIENCE AND TECHNOLOGY RESEARCH, vol.14, pp.547-552, 2008 (SCI-Expanded)
- XXXVII. **The modification of bitumen with synthetic reactive ethylene terpolymer and ethylene terpolymer**  
Keyf S., Ismail O., Corbacioglu B. D.  
PETROLEUM SCIENCE AND TECHNOLOGY, vol.25, pp.561-568, 2007 (SCI-Expanded)
- XXXVIII. **Polymer-modified bitumen using ethylene terpolymers**  
Keyf S., Ismail O., Corbacioglu B. D.  
PETROLEUM SCIENCE AND TECHNOLOGY, vol.25, pp.915-923, 2007 (SCI-Expanded)
- XXXIX. **Polymer-Modified Bitumen Using Ethylene Terpolymers**  
Keyf S., İsmail O., Çorbacıoğlu B. D.  
PETROLEUM SCIENCE AND TECHNOLOGY, vol.25, no.7, pp.915-923, 2007 (SCI-Expanded)
- XL. **The effect of PEG on the water absorption capacity and rate of superabsorbent copolymers based on acrylic acid**  
Osman I., Seyfullah K., Burcu C.  
International Journal of Polymeric Materials and Polymeric Biomaterials, vol.54, pp.1001-1008, 2005 (SCI-Expanded)
- XLI. **Conducting polymer composites of polythiophene and polyacrylamide**  
Çorbacıoğlu B. D., İsmail O., Altın Z., Keyf S., Erturan S.  
International Journal of Polymeric Materials and Polymeric Biomaterials, vol.54, pp.607-617, 2005 (SCI-Expanded)

## Articles Published in Other Journals

- I. **EFFECT OF DIFFERENT PRE-TREATMENTS ON DRYING OF RAINBOW TROUT**  
İsmail O., Gökçe Kocabay Ö.  
Niğde Üniversitesi Mühendislik Bilimleri Dergisi, vol.9, no.1, pp.688-695, 2020 (Peer-Reviewed Journal)
- II. **Drying of Okra by Different Drying Methods: Comparison of Drying time, Product Color Quality, Energy Consumption and Rehydration**  
İsmail O., Kıpçak A. S., Doymaz İ.  
Athens Journal of Sciences, vol.6, no.3, pp.155-168, 2019 (Peer-Reviewed Journal)
- III. **THERMOGRAVIMETRIK ANALYSIS OF WASTE BIOMASS PELLET AND COMBUSTION KINETICS**  
KANTÜRK FİGEN A., İSMAİL O., PİŞKİN S.  
Dokuz Eylül Üniversitesi Fen ve Mühendislik Dergisi, vol.18, no.54, pp.350-361, 2016 (Peer-Reviewed Journal)
- IV. **EFFECT OF DRYING METHODS ON DRYING CHARACTERISTIC, ENERGY CONSUMPTION AND COLOR OF NECTARINE**  
İSMAİL O., Beyribey B., DOYMAZ İ.  
JOURNAL OF THERMAL ENGINEERING, vol.2, no.3, pp.801-806, 2016 (ESCI)
- V. **OPEN-AIR SUN DRYING: THE EFFECT OF PRETREATMENT ON DRYING KINETIC OF CHERRY TOMATO**  
İSMAİL O., AKYOL E.  
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES-SIGMA MUHENDISLIK VE FEN BİLİMLERİ DERGİSİ, vol.34, no.2, pp.141-151, 2016 (ESCI)
- VI. **Terpolimerle Bitüm Modifiyesi Test Sonuçlarının İncelenmesi**

Keyf S., İsmail O.

kimya ve sanayi dergisi, vol.38, pp.218-224, 2005 (Peer-Reviewed Journal)

- VII. **Suitana Üzümünün Kurutulmasında Potasyum Karbonat Çözeltilerinin Etkilerinin İncelenmesi**  
İSMAİL O.

Sigma Mühendislik ve Fen Bilimleri Dergisi, vol.1, pp.108-113, 2005 (Peer-Reviewed Journal)

- VIII. **'The Effect of PEG on the Water Absorption Capacity and Rate of Superabsorbent Copolymers Based on Acrylic Acid**

İsmail O., Keyf S., Çorbacıoğlu B. D.

INTERNATIONAL JOURNAL OF POLYMERIC MATERIALS, vol.54, pp.1001-1008, 2005 (Scopus)

- IX. **Akrilik Asit Esaslı Süper Absorban Kopolimerlerin Sentezi ve Bahçe Bitkilerine Uygulanması**  
İSMAİL O., Kuyulu A.

YTÜ Dergisi, vol.3, pp.33-40, 2003 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. **Uyumlu Restorasyon Harçlarında Kullanılmak Üzere Arsuz Mario Hanna Kilisesi'nden Alınan Harçların Özelliklerinin İncelenmesi**

İsmail O., Gökçe Kocabay Ö.

Bilgin Kültür Sanat Yayınları, Ankara, 2023

- II. **Characterization of Ancient Mortars: The Case of the Harem Buildings in Topkapı Palace**

İsmail O., Gökçe Kocabay Ö.

Bilgin Kültür Sanat Yayınları, Ankara, 2023

## Refereed Congress / Symposium Publications in Proceedings

- I. **MATERIAL (MORTAR AND PLASTER) CHARACTERIZATION ANALYSIS OF THE TOMB OF SELIM II BUILT IN THE HAGIA SOPHIA COMPLEX**

Akın F., İSMAİL O.

HAGIA SOPHIA 8th INTERNATIONAL CONFERENCE ON MULTIDISCIPLINARY SCIENTIFIC STUDIES, İstanbul, Turkey, 11 September 2024, pp.368-378

- II. **Synthesis and Characterization of Natural Polymer-Based Wound Dressing by Wet Spinning Method**  
Geniş D., İsmail O.

2. International Congress on Multidisciplinary Natural Sciences and Engineering, Ankara, Turkey, 01 December 2022, pp.343-356

- III. **Mortar Analysis for Van Castle Restoration**

GÖKÇE KOCABAY Ö., İSMAİL O.

2. INTERNATIONAL CONGRESS ON CONTEMPORARY SCIENTIFIC RESEARCH November 2-3, 2022 / Gaziantep, Turkey, 02 November 2022, pp.129-135

- IV. **PREPARATION OF THE BEDDING MORTARS FOR THE PRESERVATION OF HAGIA SOPHIA MOSAICS**  
ÖZLEM G. K., İSMAİL O.

HAGIA SOPHIA 5. INTERNATIONAL CONFERENCE ON MULTIDISCIPLINARY SCIENTIFIC STUDIES October 17-18, 2022 İstanbul, Turkey, İstanbul, Turkey, 17 October 2022

- V. **CHARACTERIZATION OF HAGIA SOPHIA MARBLE COATING MORTARS BY MATERIAL ANALYSIS**  
ÖZLEM G. K., İSMAİL O.

HAGIA SOPHIA 5. INTERNATIONAL CONFERENCE ON MULTIDISCIPLINARY SCIENTIFIC STUDIES October 17-18, 2022 İstanbul, Turkey, İstanbul, Turkey, 17 October 2022

- VI. **Roma Dönemi Mozaik ve Frekli Duvar Kalıntıları Harç Analizi**

ÖZLEM G. K., İSMAİL O.

2nd International Conference on Engineering and Applied Natural Sciences 15-18 October, 2022 Konya, Turkey,.

Konya, Turkey, 15 October 2022

- VII. **Topkapı Sarayı Müzesi Kuşhane Binasına Ait Sıva Numunesinin Laboratuvar Analizleri**  
ÖZLEM G. K., İSMAİL O.  
2nd International Conference on Engineering and Applied Natural Sciences 15-18 October, 2022 Konya, Turkey,  
Konya, Turkey, 15 October 2022
- VIII. **Evaluation of Material Analysis of Historical Buildings in the Example of Tevruzlu Mansion**  
ÖZLEM G. K., İSMAİL O.  
International Conference on Scientific and Innovation Research October 13-15, 2022 Sivas, Türkiye, Sivas, Turkey,  
13 October 2022
- IX. **Material Analysis of Historical Aspendos Theater**  
ÖZLEM G. K., İSMAİL O.  
International Conference on Scientific and Innovation Research October 13-15, 2022 Sivas, Türkiye, Sivas, Turkey,  
13 October 2022
- X. **Investigation of Drying Kinetics and Quality of Infrared and Microwave Dried Sour Cherries.**  
Geniş G., İsmail O.  
7th International Erciyes Conference on Scientific Researches March 9-10, 2022 Kayseri, Turkey, Kayseri, Turkey,  
09 March 2022, pp.554-562
- XI. **Drying Kinetics and Quality Attributes of Wild Asparagus (*Asparagus acutifolius* L.) Slices Dried by Hot Air Drying**  
İSMAİL O., ÖZLEM G. K.  
6th Conference on Advances in Mechanical Engineering, İstanbul, Türkiye, 20 - 22 Ekim 2021, İstanbul, Turkey, 20  
October 2021
- XII. **Synthesis, Absorption and Adsorption of Sodium Acrylate and Alginate Based Acrylamide Hydrogels**  
İSMAİL O., ÖZLEM G. K.  
5TH INTERNATIONAL CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING ISTANBUL 2019, 17-19  
DECEMBER 2019, JOINT CONFERENCE OF YTU AND ASHRAE, İstanbul, Turkey, 17 - 19 December 2019, pp.489-  
497
- XIII. **Effect of pretreatment on drying kinetics of beef meat**  
İSMAİL O., ÖZLEM G. K.  
5TH INTERNATIONAL CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING ISTANBUL 2019, 17-19  
DECEMBER 2019, JOINT CONFERENCE OF YTU AND ASHRAE, İstanbul, Turkey, 17 - 19 December 2019, pp.407-  
415
- XIV. **Thin Layer Drying of Chicken Meat: Modeling and Experimental Results**  
İsmail O., Gökçe Kocabay Ö.  
4TH INTERNATIONAL CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING ISTANBUL 2018, 19-21  
DECEMBER 2018, İstanbul, Turkey, 19 - 21 December 2018, pp.520-526
- XV. **SYNTHESIS, ABSORPTION AND ADSORPTION STUDIES OF POLYACRYLAMIDE/SODIUM ALGINATE HYDROGEL**  
Gökçe Kocabay Ö., İSMAİL O.  
Uluslararası Katılımlı VII. Polimer Bilim ve Teknoloji Kongresi, Eskişehir, Turkey, 09 September 2018, pp.22
- XVI. **Effect of Pretreatment and Temperature on Drying of Rainbow Trout (*Oncorhynchus mykiss*)**  
İSMAİL O., KOCABAY GÖKÇE Ö.  
2nd INTERNATIONAL CONGRESS ON FISHERIES and AQUATIC RESEARCH 12-15 July 2018 Ramada Cappadocia Hotel  
Nevşehir, TURKEY, Nevşehir, Turkey, 12 - 15 July 2018, pp.48
- XVII. **Drying of Okra by Different Drying Methods: Comparison of Drying Time, Product Color Quality, Energy Consumption and Rehydration**  
Kıpçak A. S., İsmail O., Doymaz İ.  
6th Annual International Conference on Chemistry, Athens, Greece, 23 July 2018, pp.31
- XVIII. **Effect of Pretreatment and Temperature on Drying of Rainbow Trout**  
İSMAİL O., Gökçe Kocabay Ö.  
8th International Congress on Fisheries and Aquatic Research, Nevşehir, Turkey, 12 July 2018, pp.48

- XIX. **Mathematical Modelling of Okra Samples by Different Drying Methods**  
İsmail O., Doymaz İ., Kıpçak A. S.  
3rd Conference on Advances in Mechanical Engineering, İstanbul, Turkey, 19 - 21 December 2017, pp.308-315
- XX. **Preparation and characterization of poly( $\epsilon$ -caprolactone)-poly(ethylene glycol) - poly( $\epsilon$ -caprolactone) triblock copolymers**  
KOCABAY GÖKÇE Ö., İSMAİL O.  
8th International Advanced Technologies Symposium, Elazığ, Turkey, 19 - 21 October 2017, pp.910-915
- XXI. **Effect of Drying Temperature on the Bioactive Compounds and Antioxidant Capacity of the Asparagus Officinalis**  
KARASU S., DOYMAZ İ., İSMAİL O.  
INTERNATIONAL SYMPOSIUM ON MEDICINAL, AROMATIC AND DYE PLANTS, 5 - 07 October 2017
- XXII. **Drying Characteristics of Asparagus Roots**  
DOYMAZ İ., İSMAİL O., KARASU S.  
INTERNATIONAL SYMPOSIUM ON MEDICINAL, AROMATIC AND DYE PLANTS, 5 - 07 October 2017
- XXIII. **Poly(?-caprolactone)-poly(ethylene glycol)-poly(?-caprolactone) (PCL-PEG-PCL) micelles for anti-cancer drug delivery in vitro'**  
Gökçe Kocabay Ö., İSMAİL O., AKDESTE Z.  
8th International Advanced Technologies Symposium (IATS'17), Elazığ, Turkey, 19 October 2017, pp.5-10
- XXIV. **Preparation and characterization of poly( $\epsilon$ -caprolactone)-poly(ethylene glycol) - poly( $\epsilon$ -caprolactone) triblock copolymers**  
Gökçe Kocabay Ö., İSMAİL O.  
8th International Advanced Technologies Symposium (IATS'17), Elazığ, Turkey, 19 October 2017, pp.1-5
- XXV. **The Effect of the Absorbent Polymers on Removal of Water in Liquid Fuel**  
İSMAİL O., BEYRİBEY PRICE D. B., DOYMAZ İ.  
5th International Ege Energy Symposium and Exhibition (IEESE-5), Denizli, Turkey, 27 June 2010
- XXVI. **Antioksidantlar Kullanarak Rosinesterin Erime Viskozitesinin Zamanla Değişiminin İncelenmesi**  
İSMAİL O., Çorbacıoğlu B.  
6. Ulusal Kimya Mühendisliği Kongresi, 7-10 Eylül, İZMİR, 01 September 2004
- XXVII. **Dolgu Kolonda MEA ile Karbondioksitin absorpsiyonunda Kolon Boyunca Sıcaklık Değişimi**  
KEYF S., İSMAİL O.  
XVII. Ulusal Kimya Kongresi, İstanbul Üniversitesi, İSTANBUL, İstanbul, Turkey, 8 - 11 September 2003, pp.11
- XXVIII. **CO2 DEA Sisteminde Absorpsiyon Kolonu Yüksekliği için Geliştirilmiş Model Denkleminin Kullanılması**  
KEYF S., İSMAİL O.  
XVII. Ulusal Kimya Kongresi, İstanbul Üniversitesi, İSTANBUL, İstanbul, Turkey, 8 - 11 September 2003, pp.20
- XXIX. **Rosinesterdeki Renk Dönüşümünün Antioksidantlar Kullanarak Azaltılması**  
İSMAİL O., Saraç A.  
XVII. Ulusal Kimya Kongresi, 8-11 Eylül, İstanbul Üniversitesi, İSTANBUL, 01 September 2003
- XXX. **Akrilik Asit Esaslı Süper Absorban Polimerlerin Absorpsiyon Özelliğine Akrilik Asitin Nötralizasyonunda Kullanılan NaOH ve KOH in Etkisinin İncelenmesi**  
İSMAİL O., KÜÇÜK İ., Abdülkadir K.  
V. Ulusal Kimya Mühendisliği Kongresi, Ankara Üniversitesi, ANKARA, Ankara, Turkey, 2 - 05 September 2002
- XXXI. **Akrilik Asit Esaslı Süper Absorban Polimerlerin Absorpsiyon Özelliğine Akrilik Asitin Nötralizasyonunda Kullanılan Sodyum ve Potasyum Hidroksit Etkisinin İncelenmesi,**  
İSMAİL O., Küçük İ., Kuyulu A.  
V. Ulusal Kimya Mühendisliği Kongresi, 2-5 Eylül, Ankara Üniversitesi, ANKARA, 01 September 2002
- XXXII. **The Effect of PEG on the Water Absorption Capacity and Rate of Water Absorption of Super Absorbent Polymers Based on Acrylic Acid**  
İSMAİL O., Küçük İ., Kuyulu A.  
Polymers in the Third Millenium, Montpellier, France 2-6 September , Universite\\\' Montpellier II, 2001., 01 September 2001



- XXXIII. **İnvers Süspansiyon Polimerizasyonu Tekniđi ile Elde Edilen Akrilik Asit Esaslı Süper Absorban Polimerlerin Bitki ve Toprak Üzerindeki Etkilerinin İncelenmesi**  
İSMAİL O., Küçük İ., Kuyulu A.  
XIII. Ulusal Kimya Kongresi, 31 Ağustos-4 Eylül, Ondokuz Mayıs Üniversitesi, SAMSUN, 01 September 1999
- XXXIV. **İnvers Süspansiyon Polimerizasyonu Tekniđi ile Elde Edilen Akrilik Asit Esaslı Süper Absorban Polimerlerin Sentezi ve Karakterizasyonu**  
İSMAİL O., Küçük İ., Kuyulu A.  
XIII. Ulusal Kimya Kongresi, 31 Ağustos-4 Eylül, Ondokuz Mayıs Üniversitesi, SAMSUN, 01 September 1999
- XXXV. **Çapraz Bağlı PMMA Taneciklerinin Gözenekliliđine Karışık Çözücülerinin Etkisi**  
Küçük İ., İSMAİL O., Kuyulu A.  
Üçüncü Ulusal Kimya Mühendisliđi Kongresi, 1-4 Eylül 1998, Atatürk Üniversitesi, Erzurum, 01 September 1998
- XXXVI. **Üzümün Sıcak Hava ile Kurutulması**  
İSMAİL O., Kılıç E.  
IX. Kimya ve Kimya Mühendisliđi Sempozyumu, Eylül, Karadeniz Teknik Üniversitesi, Trabzon, 01 September 1993
- XXXVII. **Endüstride Yanma Kaynaklı Hava Kirliliđi Üzerine Bazı Gözlemler**  
Keyf S., İSMAİL O., Kılıç E., Kadirgan N.  
Üçüncü Yanma Sempozyumu, 19-21 Temmuz1993, Bursa, 01 July 1993

## Supported Projects

- İSMAİL O., GENİŞ d., Project Supported by Higher Education Institutions, Islak Eğirme Yöntemiyle Doğal Polimer Esaslı Yara Örtüsünün Eldesi ve Yapısal Özelliklerinin İncelenmesi, 2022 - 2023
- İSMAİL O., GENİŞ G., Project Supported by Higher Education Institutions, Mikrodalga ve İnfrared Kurutma Yöntemleri ile Kurutulan Vişnenin Kurutma Kinetiđinin ve Kalite Parametrelerinin İncelenmesi, 2021 - 2022
- İSMAİL O., KOCABAY Ö. G., Project Supported by Higher Education Institutions, Biyopolimerik Misellerin Sentezi ve Karakterizasyonu, Modifiye Edilmiş Anti-kanser İlaçların Kontrollü Salımında Kullanılması, 2014 - 2018
- İSMAİL O., Project Supported by Higher Education Institutions, Sera topraklarında kullanılmak üzere yeni süper absorban kopolimerlerin üretimi, 2004 - 2007
- İsmail O., Kuyulu A., Project Supported by Higher Education Institutions, The effect of Mixed Solvents on the Porosity of PMMA Particles, 1996 - 1999
- İsmail O., Kuyulu A., Project Supported by Higher Education Institutions, Synthesis and Characterization of Acrylic or Vinyl Based Porous Adsorbent Polymers, 1994 - 1995

## Scientific Refereeing

- MAIN GROUP CHEMISTRY, SCI Journal, July 2017
- MAIN GROUP CHEMISTRY, SCI Journal, April 2017
- MAIN GROUP CHEMISTRY, SCI Journal, March 2017
- Journal of Food Measurement and Characterization, SCI Journal, November 2016
- Turkish Journal of Fisheries and Aquatic Sciences, SCI Journal, November 2016
- MAIN GROUP CHEMISTRY, SCI Journal, April 2016
- Research on Chemical Intermediates , SCI Journal, May 2015
- African Journal of Food Science, SCI Journal, April 2011

## Metrics

Publication: 89

Citation (WoS): 630

Citation (Scopus): 740

H-Index (WoS): 12

H-Index (Scopus): 12

## Awards

İSMAİL O., Yayın Teşekkür Belgesi, Yıldız Teknik Üniversitesi, February 2016

İSMAİL O., Yayın Teşekkür Belgesi, Yıldız Teknik Üniversitesi, February 2015

İSMAİL O., Food and Bioproducts Processing Top Cited Papers for 2011 and 2012, ELSEVIER, October 2014

İSMAİL O., Yayın Teşekkür Belgesi, Yıldız Teknik Üniversitesi, February 2014

İSMAİL O., Yayın Teşekkür Belgesi, Yıldız Teknik Üniversitesi, February 2013

İSMAİL O., Yayın Teşekkür Belgesi, Yıldız Teknik Üniversitesi, February 2012

İSMAİL O., Yayın Teşekkür Belgesi, Yıldız Teknik Üniversitesi, February 2011

İSMAİL O., Yayın Teşekkür Belgesi, Yıldız Teknik Üniversitesi, February 2009

İSMAİL O., Yayın Teşekkür Belgesi, Yıldız Teknik Üniversitesi, February 2008