

## Prof. Azmi Seyhun KIPÇAK

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: C-9908-2015

ScopusID: 42061912400

Yoksis Researcher ID: 24936

### Education Information

Doctorate, Yıldız Technical University, Graduate School Of Natural And Applied Sciences, Kimya Mühendisliği Abd, Turkey  
2009 - 2013

Postgraduate, Yıldız Technical University, Graduate School Of Natural And Applied Sciences, Kimya Mühendisliği Abd,  
Turkey 2006 - 2009

Masters (Non-Thesis), Yıldız Technical University, Graduate School Of Social Sciences, Department Of Business  
Administration, Turkey 2002 - 2004

Undergraduate, Ege University, Faculty Of Engineering, Kimya Mühendisliği, Turkey 1998 - 2002

### Foreign Languages

English, C2 Mastery

### Certificates, Courses and Trainings

Other, Micromeritics ASAP 2020 Bet, Terra Lab, 2012

Other, CAMSCAN Apollo 300 SEM, TETRA Teknolojik Sistemler, 2009

Other, PERKINELMER Clarus 500 GC-MS, TETRA Teknolojik Sistemler, 2009

Other, PERKINELMER Clarus 500 GC, TETRA Teknolojik Sistemler, 2009

IT, Yazılım ve Veritabanı Uzmanlığı, BilgeAdam, 2009

IT, Yazılım ve Veritabanı Uzmanlığı, Microsoft, 2009

Other, PERKINELMER Pyris Diamond DSC, TETRA Teknolojik Sistemler, 2009

IT, MATLAB Fundamentals and Programming Techniques, FİGES, Computer Simulation in Physics and Geometry A.S.,  
2009

Other, PERKINELMER Diamond TG/DTA, TETRA Teknolojik Sistemler, 2009

Quality Management, Ölçüm Belirsizliği, TSE Kalibrasyon Merkezi Başkanlığı, 2008

Other, PANALYTICAL Minipal 4 XRF, TETRA Teknolojik Sistemler, 2008

Other, PANALYTICAL XPERT PRO XRD, TETRA Teknolojik Sistemler, 2008

Other, PERKINELMER Optima 2100 DV ICP-OES, TETRA Teknolojik Sistemler, 2008  
Other, PERKINELMER Lambda 25 UV/VIS, TETRA Teknolojik Sistemler, 2008  
Other, PERKINELMER FTIR Spectrum One, TETRA Teknolojik Sistemler, 2008  
Other, PERKINELMER Raman 400 F, TETRA Teknolojik Sistemler, 2008  
IT, Network & Internet Workshop, BilgeAdam, Chip, 2006

## Dissertations

Doctorate, Çeşitli Magnezyum ve Bor Kaynaklarından Farklı Yöntemler ile Yapay Magnezyum Borat Üretimi ve Üretim Parametrelerinin İncelenmesi, Yıldız Teknik Üniversitesi, Graduate School of Natural and Applied Sciences, Kimya Mühendisliği Abd, 2013  
Postgraduate, Bazı Bor Bileşiklerinin Nötron Zırhlamasında Kullanılabilirliğinin Araştırılması, Yıldız Teknik Üniversitesi, Graduate School of Natural and Applied Sciences, Kimya Mühendisliği Abd, 2009

## Research Areas

Chemical Engineering and Technology, Analytical Chemistry, Inorganic Chemistry

## Academic Titles / Tasks

Professor, Yıldız Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Chemical Engineering, 2023 - Continues  
Associate Professor, Yıldız Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Chemical Engineering, 2018 - 2023  
Research Assistant PhD, Yıldız Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Chemical Engineering, 2013 - 2018  
Research Assistant, Yıldız Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Chemical Engineering, 2008 - 2013

## Academic and Administrative Experience

İş Sağlığı ve Güvenliği Koordinatörü, Yıldız Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Chemical Engineering, 2022 - Continues  
Kulüp Faaliyetleri Değerlendirme Komisyon Üyesi, Yıldız Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Chemical Engineering, 2022 - Continues  
Deputy Head of Department, Yıldız Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Chemical Engineering, 2022 - Continues  
Rektörlük Kalite Komisyonu Üyesi, Yıldız Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Chemical Engineering, 2021 - Continues  
Bölüm Akademik Teşvik Değerlendirme Komisyonu Üyesi, Yıldız Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Chemical Engineering, 2017 - Continues  
Bölüm Tanıtım ve Mezunlarla İlişkiler Komisyonu Başkanı, Yıldız Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Chemical Engineering, 2018 - 2022  
Birim Stratejik Plan Komisyonu Başkanı, Yıldız Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Chemical Engineering, 2020 - 2021  
Bölüm Stratejik Plan Komisyonu Başkanı, Yıldız Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Chemical Engineering, 2020 - 2021  
Bölüm Kalite Komisyonu Başkanı, Yıldız Technical University, Faculty Of Chemical And Metallurgical Engineering,

## Courses

Computer Aided Advanced Chemical Engineering Applicatons, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019

Chemical Technologies, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019

Bioreactor Design, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020

Chemical Engineering Calculations, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019

Biyomühendislikte Kütle Transferi, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020

Graduation Thesis, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019

Mass Transfer in Bioengineering, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018

Chemical Engineering Lab. III, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019

Chemical Engineering Economics, Undergraduate, 2021 - 2022, 2020 - 2021, 2018 - 2019

Mass Transfer in Bioengineering, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019

Gıda Mühendisliğinde Bilgisayar Uygulamaları, Undergraduate, 2019 - 2020, 2018 - 2019

Bioprocess Engineering, Undergraduate, 2019 - 2020, 2018 - 2019

Kimya Mühendisliği Lab. III, Undergraduate, 2017 - 2018

Total Quality Assurance in Chemical Engineering, Undergraduate, 2017 - 2018

Chemical Technologies, Undergraduate, 2017 - 2018

Chemical Engineering Calculations, Undergraduate, 2017 - 2018

Analysis Methods in Chemical Industry, Undergraduate, 2017 - 2018

Bioprocess Engineering, Undergraduate, 2017 - 2018

## Advising Theses

Kıpçak A. S., Bildircin (Coturnix coturnix) etinin modern kurutma karakterizasyonu ve kalitesinin incelenmesi, Postgraduate, A.FAKHRUTDINOV(Student), 2024

Kıpçak A. S., Çeşitli egzotik meyvelerin liyofilizasyon yöntemi ile kurutulması ve kalite parametrelerinin incelenmesi, Postgraduate, D.OTAL(Student), 2024

Kıpçak A. S., Mavi midyenin modern dondurarak kurutma tekniği ile kurutulması ve kurutma davranışına farklı ön işlemlerin etkisinin incelenmesi, Postgraduate, N.AL(P(Student), 2024

Kıpçak A. S., Somon balığının dondurarak kurutulmasında farklı ön işlemlerin kurutma karakteristiğine etkisinin incelenmesi, Postgraduate, E.MIDIK(Student), 2024

Kıpçak A. S., Dicentrarchus labrax'ın yeni nesil dondurarak kurutulması esnasında çeşitli ön işlemlerin kurutmaya olan etkilerinin incelenmesi, Postgraduate, M.AL(P(Student), 2024

Kıpçak A. S., Kum midyesinin dondurarak kurutulması : Kurutma kinetiği ve matematiksel modellemesi, Postgraduate, Y.ÇAĞLIYAN(Student), 2023

Kıpçak A. S., Karides ve Pavurya Kabuklarından Kitosan Üretimi Ve Baryum, Kadmiyum, Nikel Ve Titanyum Adsorpsiyonunda Kullanılması, Postgraduate, E.ÇELİK(Student), 2022

Kıpçak A. S., Waste Water Heavy Metal Treatment by the Use of Chitosan Obtained from Caridea and Brachyura Shells, Postgraduate, Z.ÖZDEN(Student), 2022

Kıpçak A. S., Bazı Egzotik Meyvelerin Yenilikçi ve Hibrit Yöntemler ile Kurutulması ve Fiziksel Özelliklerinin İncelenmesi, Postgraduate, P.ATA(Student), 2022

Kıpçak A. S., Investigation of the drying kinetics and mathematical modeling during removal of moisture content of lorclast and glucosamine drugs at different temperatures, Postgraduate, S.Sevim(Student), 2021

KIPÇAK A. S., DERUN E., Yeni Yöntemler ile Farklı Potasyum Kaynaklarından Yüksek Verimli Saf Potasyum Borat Üretimi ve Karakterizasyonu, Postgraduate, S.İla(Student), 2016

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

- I. **Investigation of the Essential and Non-Essential Element Contents of Some Aromatic Coffees and Effect of Sugar Addition**  
Uygunöz D., Fercan M. M., Kıpçak A. S., Derun E.  
CURRENT ANALYTICAL CHEMISTRY, vol.1, pp.1-10, 2025 (SCI-Expanded)
- II. **Surfactant-assisted Synthesis of Anhydrous Magnesium Borates for Congo Red Photodegradation**  
Gül E. M., Şenberber Dumanlı F. T., Kıpçak A. S., Derun E.  
CERAMICS INTERNATIONAL, vol.1, pp.1-10, 2025 (SCI-Expanded)
- III. **Determination of Drying Characteristics of Various Seafood by Freeze Drying Method and Investigation of the Effect of Ultrasonic Pretreatment**  
Özyalçın Genç Z. Ö., Gules E., Uygunöz D., Bozkurt F., Sağdıç O., Doymaz İ., Tuğrul N., Derun E., Kıpçak A. S.  
TURKISH JOURNAL OF FISHERIES AND AQUATIC SCIENCES, vol.25, no.2, TRJAS6452, pp.1-10, 2025 (SCI-Expanded)
- IV. **Drying Characteristics of Caridean Shrimp with Modern Methods and the Effect of Ultrasonic Pretreatment Journal of Food Science and Technology**  
Erşan A. C., Kıpçak A. S., Tuğrul N.  
JOURNAL OF FOOD SCIENCE AND TECHNOLOGY, vol.1, no.1, pp.1-10, 2024 (SCI-Expanded)
- V. **The Ultrasonic-Assisted Synthesis of Copper Borates by Using Different Boron Sources**  
Şenberber Dumanlı F. T., Kavcı Karaağaç S., Kıpçak A. S., Derun E.  
GLASS PHYSICS AND CHEMISTRY, vol.2024, pp.1-10, 2024 (SCI-Expanded)
- VI. **Effect of different boron sources on the copper borates in solid-state synthesis**  
Senberber Dumanli F. T., Kavci Karaagac S., Kıpçak A. S., Derun E.  
Zeitschrift fur Kristallographie - Crystalline Materials, vol.238, no.9-10, pp.343-348, 2023 (SCI-Expanded)
- VII. **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)
- VIII. **Characterization, thermal dehydration kinetic, and thermodynamic study of synthesized cesium borate (CsB5O8 center dot 4H(2)O)**  
Dumanli F. T. S., KIPÇAK A. S., DERUN E.  
INORGANIC AND NANO-METAL CHEMISTRY, vol.53, no.3, pp.277-282, 2023 (SCI-Expanded)
- IX. **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)
- X. **Drying and Rehydration Characteristics of Microwave Dried Mytilus edulis**  
Sevim S., ÖZYALÇIN GENÇ Z. Ö., KIPÇAK A. S.  
Turkish Journal of Fisheries and Aquatic Sciences, vol.23, no.12, 2023 (SCI-Expanded)
- XI. **Investigation of carbonate addition on risk element concentrations in various teas**  
Gorgulu T. Y., UYGUNÖZ D., KIPÇAK A. S., DERUN E.  
JOURNAL OF FOOD SCIENCE AND TECHNOLOGY-MYSORE, vol.59, no.9, pp.3540-3547, 2022 (SCI-Expanded)
- XII. **Microwave Dehydration of Borax: Characterization, Dehydration Kinetics, and Modelling**  
Dumanli F. T. S., KIPÇAK A. S., DERUN E.  
GLASS PHYSICS AND CHEMISTRY, vol.48, no.3, pp.210-218, 2022 (SCI-Expanded)
- XIII. **Ultra-fast and effective ultrasonic synthesis of potassium borate: Santite**  
İla S., Kıpçak A. S., Derun E.  
MAIN GROUP METAL CHEMISTRY, vol.45, no.1, pp.19-25, 2022 (SCI-Expanded)
- XIV. **The Ultrasound Effect on the Drying Characteristics of Loligo vulgaris by the Methods of Oven and Vacuum-oven**  
ÖZYALÇIN Z. Ö., KIPÇAK A. S.  
JOURNAL OF AQUATIC FOOD PRODUCT TECHNOLOGY, vol.31, no.2, pp.187-199, 2022 (SCI-Expanded)

- XV. **Characteristic, electrical and optical properties of potassium borate (KB5O8 center dot 4H(2)O) hydrothermally synthesized from different boron sources**  
Dumanli F. T. S., Ozen M. Y., Asensio M. O., Yuksel S. A., KIPÇAK A. S., Derun E.  
RESEARCH ON CHEMICAL INTERMEDIATES, vol.47, no.12, pp.5353-5368, 2021 (SCI-Expanded)
- XVI. **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)
- XVII. **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)
- XVIII. **The Effect of Ultrasonic Pre-Treatment on the Temperature Controlled Infrared Drying of Loligo vulgaris and Comparison with the Microwave Drying**  
ÖZYALÇIN Z. Ö., KIPÇAK A. S.  
TURKISH JOURNAL OF FISHERIES AND AQUATIC SCIENCES, vol.21, no.3, pp.135-145, 2021 (SCI-Expanded)
- XIX. **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)
- XX. **Determination of essential and non-essential element concentrations and health risk assessment of some commercial fruit juices in Turkey**  
Demir F., KIPÇAK A. S., Dere Ozdemir O., Moroydor Derun E.  
JOURNAL OF FOOD SCIENCE AND TECHNOLOGY-MYSORE, vol.57, no.12, pp.4432-4442, 2020 (SCI-Expanded)
- XXI. **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)
- XXII. **Antimony Adsorption Study of Chitosan Produced from Caridea and Brachyura Shells**  
Kıpçak A. S., Özyalçın Z. Ö.  
Journal Of The Indian Chemical Society, vol.97, no.10, pp.2097-2100, 2020 (SCI-Expanded)
- XXIII. **Effects of microwaves on the dehydration characteristics of santite**  
Senberber F. T., DERUN E., KIPÇAK A. S.  
RESEARCH ON CHEMICAL INTERMEDIATES, vol.46, no.9, pp.4129-4139, 2020 (SCI-Expanded)
- XXIV. **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)
- XXV. **MICROWAVE AND INFRARED DRYING KINETICS AND ENERGY CONSUMPTION OF CHERRY TOMATOES**  
KIPÇAK A. S., DOYMAZ İ.  
CHEMICAL INDUSTRY & CHEMICAL ENGINEERING QUARTERLY, vol.26, no.2, pp.203-212, 2020 (SCI-Expanded)
- XXVI. **A new rapid synthesis of potassium borates by microwave irradiation**  
İla S., Kıpçak A. S., Möröydor Derun E.  
MAIN GROUP CHEMISTRY, vol.19, no.4, pp.265-272, 2020 (SCI-Expanded)
- XXVII. **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)
- XXVIII. **Mathematical Modeling and Drying Characteristics Investigation of Black Mulberry Dried by Microwave Method**  
Kıpçak A. S., Doymaz İ.  
INTERNATIONAL JOURNAL OF FRUIT SCIENCE, vol.20, no.S3, 2020 (SCI-Expanded)
- XXIX. **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)

- XXX. **INFRARED DRYING KINETICS OF BLUE MUSSELS AND PHYSICAL PROPERTIES**  
Kıpçak A. S., Doymaz İ., Derun E. M.  
CHEMICAL INDUSTRY & CHEMICAL ENGINEERING QUARTERLY, vol.25, pp.1-10, 2019 (SCI-Expanded)
- XXXI. **REUSE OF MAGNESIUM WASTES IN HYDROTHERMAL SYNTHESIS OF A MAGNESIUM BORATE MINERAL: ADMONTITE**  
Kıpçak A. S., Şenberber F. T., Derun E., Pişkin S.  
ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL, vol.17, no.3, pp.537-544, 2018 (SCI-Expanded)
- XXXII. **Comparison of the microwave drying kinetics of culture and natural asparagus**  
Kıpçak A. S., İsmail O.  
ACTA SCIENTIARUM-TECHNOLOGY, vol.40, 2018 (SCI-Expanded)
- XXXIII. **Lanthanum borate synthesis via the solid-state method from a La<sub>2</sub>O<sub>3</sub> precursor: Electrical and optical properties**  
Sari S., SENBERBER F. T., Yildirim M., KIPÇAK A. S., Yuksel S., Derun E.  
MATERIALS CHEMISTRY AND PHYSICS, vol.200, pp.196-203, 2017 (SCI-Expanded)
- XXXIV. **Microwave drying kinetics of mussels (*Mytilus edulis*)**  
KIPÇAK A. S.  
RESEARCH ON CHEMICAL INTERMEDIATES, vol.43, no.3, pp.1429-1445, 2017 (SCI-Expanded)
- XXXV. **Sonochemical-assisted magnesium borate synthesis from different boron sources**  
Yildirim M., KIPÇAK A. S., Derun E.  
Polish Journal of Chemical Technology, vol.19, no.1, pp.81-88, 2017 (SCI-Expanded)
- XXXVI. **Dehydration behavior and kinetics of kurnakovite under microwave irradiation**  
SENERBERBER F. T., Yildirim M., OZDOĞAN I. N., KIPÇAK A. S., DERUN E.  
TURKISH JOURNAL OF CHEMISTRY, vol.41, no.3, pp.399-409, 2017 (SCI-Expanded)
- XXXVII. **Thin-layer drying kinetics of nectarine slices using IR, MW and hybrid methods**  
İSMAİL O., KIPÇAK A. S., DOYMAZ İ., Pişkin S.  
BULGARIAN CHEMICAL COMMUNICATIONS, vol.49, no.1, pp.92-100, 2017 (SCI-Expanded)
- XXXVIII. **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)
- XXXIX. **Determination of lemon and carbonate effects on caffeine content of various teas and investigation of daily caffeine intakes**  
DEMİR F., KIPÇAK A. S., Ozdemir O. D., PİŞKİN M. B., Derun E.  
TURKISH JOURNAL OF BIOCHEMISTRY-TURK BIYOKIMYA DERGISI, vol.41, no.5, pp.308-315, 2016 (SCI-Expanded)
- XL. **A new approach on the evaluation of magnesium wastes in the magnesium borate synthesis using the novel method of ultrasonic irradiation**  
KIPÇAK A. S., Derun E.  
RESEARCH ON CHEMICAL INTERMEDIATES, vol.42, no.8, pp.6663-6679, 2016 (SCI-Expanded)
- XLI. **The effect of lemon on the essential element concentrations of herbal and fruit teas**  
GORGULU T. Y., Ozdemir O. D., Kıpçak A. S., Pişkin M. B., Derun E.  
APPLIED BIOLOGICAL CHEMISTRY, vol.59, no.3, pp.425-431, 2016 (SCI-Expanded)
- XLII. **Thermal dehydration kinetics and characterization of synthesized potassium borates**  
Ortega Asensio M., Yildirim M., SENBERBER F. T., KIPÇAK A. S., Derun E.  
RESEARCH ON CHEMICAL INTERMEDIATES, vol.42, no.5, pp.4859-4878, 2016 (SCI-Expanded)
- XLIII. **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., Tuğrul N.  
MAIN GROUP METAL CHEMISTRY, vol.39, pp.59-66, 2016 (SCI-Expanded)
- XLIV. **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)
- XLV. **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)
- XLVI. **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)
- XLVII. **Synthesis, characterisation, electrical and optical properties of copper borate compounds**  
KIPÇAK A. S., SENBERBER F. T., Yuksel S. A., Derun E., Piskin S.  
MATERIALS RESEARCH BULLETIN, vol.70, pp.442-448, 2015 (SCI-Expanded)
- XLVIII. **A low-temperature, environment-friendly approach to the synthesis of magnesium borates using magnesium waste scraps**  
KAPLAN A., KIPÇAK A. S., SENBERBER F. T., Derun E., Piskin S.  
MAIN GROUP METAL CHEMISTRY, vol.38, pp.99-110, 2015 (SCI-Expanded)
- XLIX. **Characterization and thermal dehydration kinetics of admontite mineral hydrothermally synthesized from magnesium oxide and boric acid precursor**  
Derun E., Kipçak A. S., Senberber F. T., Yilmaz M.  
RESEARCH ON CHEMICAL INTERMEDIATES, vol.41, pp.853-866, 2015 (SCI-Expanded)
- L. **The characterisation of mcallisterite synthesised from bischofite via the hydrothermal method**  
GURSES P., Yildirim M., KIPÇAK A. S., Yuksel S., Derun E., Piskin S.  
MAIN GROUP CHEMISTRY, vol.14, no.3, pp.199-213, 2015 (SCI-Expanded)
- LI. **Synthesis, characterization, and electrical and optical properties of magnesium-type boracite**  
IBROSKA T., KIPÇAK A. S., AYDIN YÜKSEL S., DERUN E., Piskin S.  
TURKISH JOURNAL OF CHEMISTRY, vol.39, no.5, pp.1025-1037, 2015 (SCI-Expanded)
- LII. **Characteristics of Thin-layer Infrared Drying of Green Bean**  
DOYMAZ İ., KIPÇAK A. S., Piskin S.  
CZECH JOURNAL OF FOOD SCIENCES, vol.33, no.1, pp.83-90, 2015 (SCI-Expanded)
- LIII. **Microwave Drying of Green Bean Slices: Drying Kinetics and Physical Quality**  
DOYMAZ İ., KIPÇAK A. S., Piskin S.  
CZECH JOURNAL OF FOOD SCIENCES, vol.33, no.4, pp.367-376, 2015 (SCI-Expanded)
- LIV. **Neutron Permeation Properties and Characterization of Synthesized Non-Hydrated Magnesium Borate Minerals**  
KIPÇAK A. S., DERUN E., SENBERBER F. T., Ozdemir O. D., Baysoy D. Y., Piskin S.  
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## **Refereed Congress / Symposium Publications in Proceedings**

**I. Mathematical Modelling of Pretreated Lyophilized Shrimp**

ÖZYALÇIN GENÇ Z. Ö., KIPÇAK A. S.

7th International Conference on Advances in Mechanical Engineering, Turkey, 24 December 2024

**II. Mathematical Modelling Study of Pretreated Freeze-Drying of Squid**

ÖZYALÇIN GENÇ Z. Ö., KIPÇAK A. S.

7th International Conference on Advances in Mechanical Engineering, Turkey, 24 December 2024

**III. Sythesis of Chitosan from Lobster Shells**

Temiz A. E., ÖZYALÇIN GENÇ Z. Ö., DUMANLI F. T., TUĞRUL N., DERUN E., KIPÇAK A. S.

International Food Innovation and Sustainability Congress, İstanbul, Turkey, 16 May 2024

**IV. Mathematical modelling of ultrasound pretreated kumquat (*Citrus japonica* var. *margarita*) in freeze dryer**

Otal Şenol D., ÖZYALÇIN Z. Ö., KIPÇAK A. S.

2nd International Karatekin Science and Technology Conference, Çankırı, Turkey, 21 December 2023

**V. Lyophilization of *Dicentrarchus labrax* and Investigation of the Effect of Ultrasonic Pretreatment**

Alp M., Özyalçın Genç Z. Ö., Kıpçak A. S.

6th International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2023), Ankara, Turkey, 11 - 13 October 2023, pp.67

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- XC. **Pandermit ve Üleksit'in Nötron Zırh Malzemesi Olarak Değerlendirilmesi ve Kolemanit ile Kıyaslanması**  
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- KIPÇAK A. S., DERUN E., ŞENBERBER DUMANLI F. T., ÖZYALÇIN Z. Ö., TUĞRUL N., Project Supported by Higher Education Institutions, Hayvansal Temelli Kaynaklardan Elde Edilen Kitosanın Ağır Metal İçeren Atık Suların Arıtılmasında Kullanımı, 2022 - Continues
- Kıpçak A. S., Çokluk E. M., Özkök I., TUBİTAK Project, Mısır Koçanından Elde Edilen Selüloz Bazlı Biyoplastik Sentezi, 2024 - 2025
- KIPÇAK A. S., ALP N., Project Supported by Higher Education Institutions, Mavi Midyenin Modern Dondurarak Kurutma Tekniği ile Kurutulması ve Kurutma Davranışına Farklı Önışlemlerin Etkisinin İncelenmesi, 2023 - 2024
- KIPÇAK A. S., ALP M., Project Supported by Higher Education Institutions, Dicentrarchus Labraxın Yeni Nesil Dondurarak Kurutulması Esnasında Çeşitli Önışlemlerin Kurutmaya Olan Etkilerinin İncelenmesi, 2023 - 2024

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KIPÇAK A. S., Ata P., Project Supported by Higher Education Institutions, Bazı Egzotik Meyvelerin Yenilikçi ve Hibrit Yöntemler ile Kurutulması ve Fiziksel Özelliklerinin İncelenmesi, 2021 - 2022

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KIPÇAK A. S., Çelik E., Project Supported by Higher Education Institutions, Karides ve Pavurya Kabuklarından Kitosan Üretimi ve Ba, Cd, Ni ve Ti Adsorpsiyonunda Kullanılması, 2021 - 2022

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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

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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

PİŞKİN M. B., Karaduman E., DERUN E., KIPÇAK A. S., Project Supported by Higher Education Institutions, KATKILI YARIİLETKEN ALAŞIMI ÜRETİMİ ve ÖZELLİKLERİNİN İYİLEŞTİRİLMESİ, 2017 - 2020

PİŞKİN S., TUĞRUL N., KIPÇAK A. S., Project Supported by Higher Education Institutions, HİDROFOBİK KARAKTERLİ GAZ BETON ÜRETİMİ, 2015 - 2018

DERUN E., KIPÇAK A. S., TUĞRUL N., Project Supported by Higher Education Institutions, Çimento ve Beton Üretiminde Sanayi Atıklarının Değerlendirilmesi, 2014 - 2017

DERUN E., KIPÇAK A. S., TUĞRUL N., Project Supported by Higher Education Institutions, Türkiye’de Bulunan Çeşitli Çay ve Kahvelerin, Kafein ve Element İçeriklerinin Farklı Yöntemler ile Belirlenmesi ve İnsan Sağlığına olan Etkilerinin Araştırılması, 2013 - 2016

KIPÇAK A. S., Project Supported by Higher Education Institutions, Farklı Sodyum Borat Minerallerinden Çeşitli Yöntemler ile Magnezyum Borat Sentezlenmesi, Karakterizasyonu ve Sentez Parametrelerinin İncelenmesi, 2013 - 2015

TUĞRUL N., KIPÇAK A. S., SARI YILMAZ M., ACARALI N., Project Supported by Higher Education Institutions, Farklı Bölgelerden Alınan Uçucu Küllerin Ağır Metal İyonlarının Adsorbansı Üzerinde Etkilerinin İncelenmesi, 2011 - 2014

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PİŞKİN S., KIPÇAK A. S., SARI YILMAZ M., TUĞRUL N., Project Supported by Higher Education Institutions, Düşük Maliyetli Yüksek Verimli Hidrofobik ve Nano Yapılı Yeni Çinko Borat Üretim Teknolojilerinin Geliştirilmesi, 2010 - 2012

DERUN E., KIPÇAK A. S., TUĞRUL N., Project Supported by Higher Education Institutions, Bor Katkılı Yarı İletken Alaşımlar Kullanılarak Nanokompozit Ve Nanokristal Malzemelerin Üretimi., 2009 - 2012

## Scientific Refereeing

Main Group Chemistry, SCI Journal, July 2017

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Gazi Üniversitesi Mühendislik-Mimarlık Fakültesi Dergisi, SCI Journal, May 2017  
International Journal of Materials Research, SCI Journal, January 2017  
Food Research International, SCI Journal, August 2015  
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## Metrics

Publication: 229  
Citation (WoS): 843  
Citation (Scopus): 892  
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H-Index (Scopus): 16

## Congress and Symposium Activities

6th Annual International Conference on Chemistry, Attendee, Athens, Greece, 2018  
International Conference on Energy and Thermal Engineering, Attendee, İstanbul, Turkey, 2017  
12. Ulusal Kimya Mühendisliği Kongresi (UKMK 2016), Attendee, İzmir, Turkey, 2016  
Conference on Advances in Mechanical Engineering, Attendee, Turkey, 2016  
CHEMTECH'14: Chemical Technologies and Chemical Engineering Conference, Attendee, Turkey, 2014  
The International Journal of Arts & Sciences' (IJAS) International Conference for Academic Disciplines, Attendee, Wien, Austria, 2014  
Advanced Materials World Congress, Attendee, İzmir, Turkey, 2013  
The International Conference on Environmental Science and Technolog, Attendee, Nevşehir, Turkey, 2013  
ICCEE 2013: International Conference on Chemical and Environmental Engineering, Attendee, Berlin, Germany, 2013  
ICCE 2012: International Conference on Chemical Engineering, Attendee, Paris, France, 2012  
26. Uluslararası Katılımlı Ulusal Kimya Kongresi, Attendee, Muğla, Turkey, 2012  
ICESE 2012: International Conference on Environmental Science and Engineering, Attendee, Amsterdam, Netherlands, 2012  
3. International Conference on Nuclear and Renewable Energy Resources, Attendee, İstanbul, Turkey, 2012  
12. Mediterranean Congress in Chemical Engineering, Attendee, Barcelona, Spain, 2011  
2nd International Conference on Nuclear and Renewable Energy Resources, Attendee, Ankara, Turkey, 2010  
The Fourth International Student Conference on Advanced Science and Technology (ICAST), Attendee, İzmir, Turkey, 2010  
2009 Multilingual Interdisciplinary Conference on Chemical, Mechanical and Materials Engineering (2009 ICCMME) with Virtual Participation, Attendee, Melbourne, Australia, 2009  
3rd Balkan Mining Congress, Attendee, Turkey, 2009  
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## Awards

KIPÇAK A. S., 2014 eğitim-öğretim yılında uluslararası indeksli dergilerde en fazla yayın yapan Araştırma Görevlilerimiz arasında birinci sırayı almak, Yıldız Teknik Üniversitesi, December 2014

KIPÇAK A. S., 2014 eğitim-öğretim yılında uluslararası indeksli dergilerde yayın yapmak, Yıldız Teknik Üniversitesi, December 2014

KIPÇAK A. S., Science Citation Index-Expanded kapsamındaki dergilerde 2012-2013 döneminde yayın yapan öğretim üyelerimiz arasında yer almak, Yıldız Teknik Üniversitesi, December 2013

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