

Assoc. Prof. BERÇEM KIRAN YILDIRIM

Personal Information

Email: bercem.kiran@marmara.edu.tr

Web: <https://avesis.marmara.edu.tr/bercem.kiran>

International Researcher IDs

ScholarID: aw1vpSsAAAAJ

ORCID: 0000-0002-7504-0176

Publons / Web Of Science ResearcherID: Z-3760-2019

ScopusID: 57201886756

Yoksis Researcher ID: 205869

Biography

Dr. Berçem Kiran-Yildirim graduated with an honor degree in Chemical Engineering from Marmara University in 2006. She completed her MSc and Ph.D. degrees in Chemical Engineering, Marmara University. She studied at Zentrum für Ingenieurwissenschaften, Verfahrenstechnik/TVT Laboratory, Martin Luther University as an Erasmus student in 2007. She has been as a "Guest Researcher" at the Institute of Process Engineering in Life Sciences, Section I: Food Process Engineering, Karlsruhe Institute of Technology between 07.2018-12.2019. She has been awarded with a "Research Stays for University Academics and Scientists" scholarship by DAAD in 2018 and an "International Postdoctoral Research" scholarship by TUBITAK in 2019. She has been working as a faculty member in Marmara University since 2008.

Her research interests are in the fields of crystallization, recrystallization, adsorption, filtration.

Education Information

Doctorate, Marmara University, Institute for Graduate Studies in Pure and Applied Sciences, Department of Chemical Engineering (Eng), Turkey 2009 - 2017

Postgraduate, Marmara University, Institute for Graduate Studies in Pure and Applied Sciences, Department of Chemical Engineering (Eng), Turkey 2006 - 2008

Undergraduate, Marmara University, Faculty of Engineering, Chemical Engineering, Turkey 2002 - 2006

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Crystallization kinetics of calcium lactate in the presence of amino and fatty acids, Marmara Üniversitesi, Institute for Graduate Studies in Pure and Applied Sciences, Kimya Mühendisliği (Dr), 2016

Postgraduate, Investigation of The Effect of Urine Proteins on Calcium Oxalate Crystallization, Marmara University, Faculty of Engineering, Chemical Engineering, 2009

Research Areas

Chemical Engineering and Technology, Basic Operations and Thermodynamics, Engineering and Technology

Academic Titles / Tasks

Assistant Professor, Marmara University, Faculty of Engineering, Chemical Engineering, 2020 - Continues

Research Assistant, Marmara University, Faculty of Engineering, Chemical Engineering, 2008 - 2020

Courses

Undergraduate, 2020 - 2021, 2017 - 2018

Membrane Processes, Undergraduate, 2020 - 2021, 2019 - 2020

Basic Chemistry, Undergraduate, 2020 - 2021

Undergraduate, 2020 - 2021, 2017 - 2018

Basic Chemistry, Undergraduate, 2017 - 2018

Basic Chemistry, Undergraduate, 2017 - 2018

Statistics for Engineers, Undergraduate, 2017 - 2018

Advising Theses

Kıran Yıldırım B., Mançuhan E., Experimental and theoretical investigations of the effects of innovative phase change materials on cooling system performance, Postgraduate, A.Ersoy(Student), Continues

Kıran Yıldırım B., Genç S., Synthesis and characterization of a novel magnetic bio-metal-organic framework (MOF) as an adsorbent in waste water treatment, Postgraduate, B.KARAKAYA(Student), Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Performance evaluation of a laboratory-scale cooling system as a household refrigerator with phase change materials**
KIRAN YILDIRIM B.
ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, vol.44, no.3, pp.5852-5867, 2022 (SCI-Expanded)
- II. **Synthesis, characterization, thermal, and antibacterial activity studies on MgO powders**
DEMİRÇİ S., Yıldırım B., TUNÇAY M. M., KAYA N., GÜLLÜOĞLU A. N.
JOURNAL OF SOL-GEL SCIENCE AND TECHNOLOGY, vol.99, no.3, pp.576-588, 2021 (SCI-Expanded)
- III. **Effect of heating rate on structure, morphology and photocatalytic properties of TiO₂ particles: thermal kinetic and thermodynamic studies**
Dikici T., Demirci S., Tünçay M. M., Kıran Yıldırım B., Kaya N.
JOURNAL OF SOL-GEL SCIENCE AND TECHNOLOGY, vol.97, no.3, pp.622-637, 2021 (SCI-Expanded)
- IV. **Ice recrystallization inhibition of commercial κ -, ι -, and λ -carrageenans**
Kıran Yıldırım B., Hale J., Wefers D., Gaukel V.
Journal Of Food Engineering, vol.290, pp.1-7, 2021 (SCI-Expanded)
- V. **Application of response surface methodology for optimization of green bricks drying process**
Kıran Yıldırım B., Mançuhan E., Sargut S.
Journal Of The Indian Chemical Society, vol.97, pp.1-7, 2020 (SCI-Expanded)
- VI. **Thermodynamic Models and Central Composite Design for Calcium Sulphate Dihydrate Solubility**
Kıran Yıldırım B., Gencaslan A., Sargut S.
Chemical Engineering & Technology, vol.43, no.6, pp.1124-11136, 2020 (SCI-Expanded)

- VII. **Multidimensional Population Balance Modeling for Pathological Calcium Pyrophosphate Dihydrate Crystals in the Presence of Amino Acids**
Gencaslan A., Kiran Yildirim B., Sargut S.
Chemical Engineering & Technology, vol.43, no.6, pp.1124-1136, 2020 (SCI-Expanded)
- VIII. **Thermal Hysteresis and Bursting Rate in Sucrose Solutions with Antifreeze Proteins**
Kiran Yildirim B., Gaukel V.
Chemical Engineering & Technology, vol.0, pp.1-18, 2020 (SCI-Expanded)
- IX. **Ice Crystal Growth in Sucrose Solutions Containing Kappa-and Iota-Carrageenans**
Kiran Yildirim B., Gaukel V.
Chemical Engineering & Technology, vol.43, no.6, pp.1040-1047, 2020 (SCI-Expanded)
- X. **Calcium Lactate Pentahydrate Crystallization in the Presence of Pentanoic Acid**
Kiran-Yildirim B., Titiz-Sargut S., Sayan P.
CHEMICAL ENGINEERING & TECHNOLOGY, vol.41, pp.1244-1251, 2018 (SCI-Expanded)
- XI. **Effect of the Amino Acids L-Methionine and D-Threonine on Calcium Lactate Pentahydrate Crystallization**
Kiran-Yildirim B., Titiz-Sargut S., Sayan P.
CHEMICAL ENGINEERING & TECHNOLOGY, vol.41, pp.1252-1258, 2018 (SCI-Expanded)
- XII. **In-line determination of adsorbed fatty acids on magnesium silicate with conductivity measurement**
Sargut S., Sayan P., Sağlam A., Kiran B.
Fresenius Environmental Bulletin, vol.21, pp.3987-3997, 2012 (SCI-Expanded)
- XIII. **Physical and Adsorptive Characterization of Precipitated Magnesium Silicate from Rice Hull Ash Silica**
Sayan P., Titiz-Sargut S., Ozgul-Yucel S., Kiran B.
CHEMICAL ENGINEERING & TECHNOLOGY, vol.34, pp.1497-1506, 2011 (SCI-Expanded)
- XIV. **Effect of ultrasonic irradiation on crystallization kinetics of potassium dihydrogen phosphate**
Sayan P., Sargut S., Kiran B.
ULTRASONICS SONOCHEMISTRY, vol.18, pp.795-800, 2011 (SCI-Expanded)
- XV. **Gypsum Crystallization in the Presence of Cr³⁺ and Citric Acid**
Sargut S., Sayan P., Kiran B.
CHEMICAL ENGINEERING & TECHNOLOGY, vol.33, pp.804-811, 2010 (SCI-Expanded)
- XVI. **Effect of impurities on the microhardness of borax decahydrate**
Sayan P., Sargut S., Kiran B.
POWDER TECHNOLOGY, vol.197, pp.254-259, 2010 (SCI-Expanded)
- XVII. **Influence of essential and non-essential amino acids on calcium oxalate crystallization**
Sargut S., Sayan P., Kiran B.
CRYSTAL RESEARCH AND TECHNOLOGY, vol.45, no.1, pp.31-38, 2010 (SCI-Expanded)
- XVIII. **Calcium oxalate crystallization in the presence of amino acids, proteins and carboxylic acids**
Sayan P., Sargut S., Kiran B.
CRYSTAL RESEARCH AND TECHNOLOGY, vol.44, pp.807-817, 2009 (SCI-Expanded)

Articles Published in Other Journals

- I. **Ev-Tipi Buzdolabı Soğutucu Bölmesinde Faz Değişim Malzemesi Olarak Potasyum Sülfat Çözeltileri Kullanımının İncelenmesi**
KIRAN YILDIRIM B., Karaali G. G., Yayla Ö., Yıldız E., MANÇUHAN E., SARGUT S.
Tesisat Mühendisliği, 2023 (Peer-Reviewed Journal)
- II. **Tropik Meyve Depolanan Faz Değiştiren Madde Entegre Edilmiş Bir Soğutma Sistemi Performansının DeneySEL İncelenmesi**
KIRAN YILDIRIM B., MANÇUHAN E., SARGUT S., ERSOY A.
Tesisat Mühendisliği, vol.0, pp.7-16, 2022 (Peer-Reviewed Journal)

- III. **Ultra Düşük Sıcaklıkta (-78 °C) Kaskad Soğutma Sisteminin Farklı Tasarım ve Operasyon Parametreleri İçin Teorik Analizi**
KIRAN YILDIRIM B., YILMAZ D., MANÇUHAN E.
Tesisat Mühendisliği, 2021 (Peer-Reviewed Journal)
- IV. **Mançuhan E., Mutlu T., Kıran Yıldırım B., Sargut S.**
International journal of advances in engineering and pure sciences, vol.31, pp.66-74, 2019 (Peer-Reviewed Journal)
- V. **Diamonyum Hidrojen Fosfatın Akışkan Yataklı Kristalizörde Büyüme ve Çözünme Hızına L-Prolin ve L-Asparajin Amino Asitlerinin Etkisinin İncelenmesi**
GENÇASLAN A., KIRAN B., SARGUT S.
International journal of advances in engineering and pure sciences (Online), 2019 (Peer-Reviewed Journal)
- VI. **Pentanoik ve Bütanoik Asit Varlığında Kalsiyum Laktat Sulu Çözeltilerinin Metastabil Bölge Genişliğinin Yeni Yaklaşımlarla İncelenmesi**
KIRAN YILDIRIM B., GENÇASLAN A., SARGUT S.
International journal of advances in engineering and pure sciences (Online), 2019 (Peer-Reviewed Journal)
- VII. **Effect of Amino Acids on Magnesium Ammonium Phosphate Hexahydrate (Struvite) Crystallization**
Kıran B., Sayan P., Sargut S.
Iranian Journal of Chemical Engineering, vol.11, pp.3-18, 2014 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **The Effect of Urine Proteins on Calcium Oxalate Crystallization**
Kıran Yıldırım B., Sayan P., Sargut S.
LAP Lambert academic Publishing, New-York, 2010

Refereed Congress / Symposium Publications in Proceedings

- I. **Ev Tipi Bir Buzdolabının Kabin İç Sıcaklık Dalgalanmasının Farklı Faz Değiştiren Malzemelerle Minimize Edilerek Enerji Tasarrufu Sağlanması**
Kıran Yıldırım B., Karaali G. G., Yayla Ö., Yıldız E., Mançuhan E., Sargut S.
15. Ulusal Kimya Mühendisliği Kongresi , Çanakkale, Turkey, 4 - 07 September 2023, pp.790-793
- II. **Ön Soğutma İşlemi Yapılan Bir Soğuk Depolama Sisteminde Enerji Tüketiminin Faz Değişim Malzemesi Kullanılarak İncelenmesi**
Kıran Yıldırım B., Düzgün E., Kül B., Gök S., Mançuhan E., Sargut S., Ersoy A.
15. Ulusal Kimya Mühendisliği Kongresi , Çanakkale, Turkey, 4 - 07 September 2023, pp.782-785
- III. **Dondurucu Şartlarında Faz Değişim Malzemesi Olarak Kullanılan Amonyum Klorür-Su İkili Sisteminin Yüzey Yanıt Metodu ile Optimizasyonu**
Kıran Yıldırım B., Alaybeyi D., Doğan H. Y., Mançuhan E., Sargut S.
15. Ulusal Kimya Mühendisliği Kongresi , Çanakkale, Turkey, 4 September - 07 October 2023, pp.486-489
- IV. **Selection of Optimum Phase Change Material Formulation for a Freezer by Using Response Surface Methodology**
KIRAN YILDIRIM B., ÜNAL TEKER S., MANÇUHAN E.
6. International Symposium on Current Developments in Science, Technology and Social Sciences, Turkey, 16 - 18 September 2022
- V. **Enhancing the Performance of Freezers with Phase Change Materials**
KIRAN YILDIRIM B., Ünal S., Dursun Ö., Özcan S. S., Gok S., MANÇUHAN E.
International Graduate Research Symposium - IGRS'22, Turkey, 01 June 2022
- VI. **Examination of Phosphorus (V) Oxychloride Solutions as Alternative Phase Change Materials in Cold Storage for Tropical Fruits**

KIRAN YILDIRIM B., Ersoy A., Demir N., Igci S., Ozturk S. K., SARGUT S., MANÇUHAN E.

International Graduate Research Symposium - IGRS'22, Turkey, 01 June 2022

VII. Study on Adsorption Performance of MIL-101(Cr) for Ibuprofen Uptake from Aqueous Media

Faisal M., Engel H. B., Haciosmanoğlu G. G., Şam S., Kiran Yıldırım B., Genç S., Can Z. S.

1 st International Conference on Advances in Engineering, Architecture, Science and Technology, Turkey, 15 - 17 December 2021

VIII. Synthesis and Characterization of Magnetic Metal Organic Framework (MOF) for Methyl Orange Removal from Aqueous Solutions

KARAKAYA B., KIRAN YILDIRIM B., CAN Z. S., HACIOSMANOĞLU G. G., ŞAM S., GENÇ S.

1 st International Conference on Advances in Engineering, Architecture, Science and Technology, Turkey, 15 - 17 December 2021

IX. Investigation of energy consumption in a PCM integrated cooling system for tropical fruits storage

KIRAN YILDIRIM B., MANÇUHAN E.

3rd International Eurasian Conference on Science, Engineering and Technology (EurasianSciEnTech 2021), Turkey, 15 - 17 December 2021

X. INVESTIGATION OF ENERGY CONSUMPTION FOR A PCM INTEGRATED LABORATORY SCALE COOLING SYSTEM: AN EXPERIMENTAL STUDY

Kiran Yıldırım B., Noya T., Mançuhan E., Sargut S.

Uluslararası Katılımlı 23. Isı Bilimi ve Tekniği Kongresi, Gaziantep, Turkey, 8 - 10 September 2021, pp.0-8

XI. INFLUENCE OF PCM AMOUNTS IN A DISPLAY CABINET REFRIGERATED BY A TRANSCRITICAL CO2 SYSTEM: AN EXPERIMENTAL INVESTIGATION

Yılmaz D., Kiran Yıldırım B., Yılmaz B., Sevindir M. K., Mançuhan E.

Uluslararası Katılımlı 23. Isı Bilimi ve Tekniği Kongresi, Gaziantep, Turkey, 8 - 10 September 2021, pp.0-8

XII. Laboratuvar Ölçekli Soğutma Sisteminde Faz Değiştiren Malzeme Miktarının Enerji Tüketimine Etkisi

Noya T., Kiran Yıldırım B., Mançuhan E., Sargut S.

14. Ulusal Kimya Mühendisliği Kongresi (UKMK2020), 10 - 12 June 2021

XIII. Modifiye Sokslet Ekstraksiyon Yöntemi ile Zeytinyağı Koku Giderme Atığından Skualenin Geri Kazanımı

Koçak B., Kiran Yıldırım B., Sargut S., Tüter M.

14. Ulusal Kimya Mühendisliği Kongresi (UKMK2020), 10 - 12 June 2021

XIV. Investigation of Calcium Pyrophosphate Dihydrate Crystallization Kinetics in the presence of Tartaric Acid

GENÇASLAN A., KIRAN B., SARGUT S.

International Eurasian Conference on BioTechnology and BioChemistry, 16 - 18 December 2020

XV. Effect of Citric Acid on the Crystallization Kinetics of Calcium Pyrophosphate Dihydrate

Kiran Yıldırım B., Gençaslan A., Sargut S.

4th International Congress on Studies Academic Students, 19 - 20 December 2020

XVI. Experimental and Theoretical Analysis of a Refrigeration System With Phase Change Material (PCM) Integrated

Noya T., KIRAN B., MANÇUHAN E., SARGUT S.

6th International Conference on New Trends in Chemistry, 16 - 18 October 2020

XVII. Optimization of Drying Process for Green Bricks Using Response Surface Methodology

KIRAN B., MANÇUHAN E., SARGUT S.

6th International Conference on New Trends in Chemistry, 16 - 18 October 2020

XVIII. Nucleation Kinetics of Sodium Perborate in the Presence of Excess of Various Reactants

Kiran Yıldırım B., Gençaslan A., Sargut S., Yüksel G. Y.

26th International Workshop on Industrial Crystallization, Rayong, Thailand, 26 - 28 August 2019

XIX. Two Dimensional Population Balance Modelling of Calcium Pyrophosphate Dihydrate Crystals in the Presence of Amino Acids

Gençaslan A., Kiran Yıldırım B., Sargut S.

26th International Workshop on Industrial Crystallization, Rayong, Thailand, 26 - 28 August 2019

- XX. **Thermodynamic Models for Evaluation and Design Expert Assisted Mathematical Optimization of Calcium Sulphate Dihydrate Solubility**
Kıran Yıldırım B., Gençaslan A., Sargut S.
26th International Workshop on Industrial Crystallization, Rayong, Thailand, 26 - 28 August 2019
- XXI. **Crystallization of Calcium Sulphate Dihydrate in the Presence of Lactic Acid**
Gençaslan A., Kıran Yıldırım B., Sargut S.
26th International Workshop on Industrial Crystallization, Rayong, Thailand, 26 - 28 August 2019
- XXII. **Ice Crystal Growth in Sucrose Solutions containing κ -Carrageenan**
KIRAN B., GAUKEL V.
BIWIC 2019: 26th International Workshop on Industrial Crystallization, 26 - 28 August 2019
- XXIII. **Ice Crystal Growth in Sucrose Solutions containing κ -Carrageenan**
Kıran Yıldırım B., Gaukel V.
26th International Workshop on Industrial Crystallization, Rayong, Thailand, 26 - 28 August 2019
- XXIV. **Kıran Yıldırım B., Kıran Yıldırım B., Sargut S.**
30. Ulusal Kimya Kongresi, Gazimagusa, Cyprus (Kktc), 5 - 08 November 2018, pp.69
- XXV. **Mançuhan E., Mutlu T., Kıran Yıldırım B., Sargut S.**
30. Ulusal Kimya Kongresi, Gazimagusa, Cyprus (Kktc), 5 - 08 November 2018, pp.170-171
- XXVI. **Kıran Yıldırım B., Gençaslan A., Sargut S.**
30. Ulusal Kimya Kongresi, Gazimagusa, Cyprus (Kktc), 5 - 08 November 2018, pp.67
- XXVII. **The Growth and Dissolution of Sodium Perborate Tetrahydrate in the Presence of Silica in a Fluidized Bed Crystallizer**
Gençaslan A., Kıran Yıldırım B., Orhan D., Sargut S.
Sixth European Conference on Crystal Growth , Varna, Bulgaria, 16 - 20 September 2018, pp.13
- XXVIII. **Influence of Agglomeration and Brekage of Alanine and Asparagine on Calcium Pyrophosphate Dihydrate Crystallization**
Gençaslan A., Kıran Yıldırım B., Sargut S.
Sixth European Conference on Crystal Growth , Varna, Bulgaria, 16 - 20 September 2018, pp.2
- XXIX. **Metastable Zone Width of Sodium Perborat in the Presence of Anionic Polyelectrolytes**
Kıran Yıldırım B., Gençaslan A., Sargut S., Yüksel G. Y., Bulutçu N.
Sixth European Conference on Crystal Growth , Varna, Bulgaria, 16 - 20 September 2018, pp.2
- XXX. **Effect of L-Methionine and D-Threonine Amino Acids on Crystallization of Calcium Lactate Pentahydrate**
Kıran Yıldırım B., Sargut S., Sayan P.
24th International Workshop on Industrial Crystallization, Dortmund, Germany, 29 - 31 August 2017, pp.142-147
- XXXI. **Calcium Lactate Pentahydrate Crystallization in the Presence of Pentanoic Acid**
Kıran Yıldırım B., Sargut S., Sayan P.
24th International Workshop on Industrial Crystallization, Dortmund, Germany, 29 - 31 August 2017, pp.148-153
- XXXII. **Kıran Yıldırım B., Sargut S., Sayan P.**
XII. Ulusal Kimya Mühendisliği Kongresi, İzmir, Turkey, 23 - 26 August 2016
- XXXIII. **Kıran Yıldırım B., Sargut S., Sayan P.**
XII. Ulusal Kimya Mühendisliği Kongresi, İzmir, Turkey, 23 - 26 August 2016
- XXXIV. **Kıran Yıldırım B., Sayan P., Sargut S.**
11. Ulusal Kimya Mühendisliği Kongresi, Eskişehir, Turkey, 2 - 05 September 2014, pp.606-607
- XXXV. **Kalsiyum Laktatın Metastabil Bölge Genişliği Üzerine Yağ Asitleri Etkisinin İncelenmesi**
Kıran Yıldırım B., Sargut S., Sayan P.
11. Ulusal Kimya Mühendisliği Kongresi, Eskişehir, Turkey, 2 - 05 September 2014, pp.618-619
- XXXVI. **Kıran Yıldırım B., Işık T., Korkut A. S.**
2. Ulusal Kimya Mühendisliği Öğrenci Kongresi , Ankara, Turkey, 4 - 06 May 2013, pp.75-77
- XXXVII. **Kıran Yıldırım B., Özkan M., Aykul H., Sargut S.**
2. Ulusal Kimya Mühendisliği Öğrenci Kongresi, Ankara, Turkey, 4 - 06 May 2013, pp.85-87
- XXXVIII. **Effect of Amino Acids on Magnesium Ammonium Phosphate Hexahydrate (Struvite) Crystallization**

- Sayan P., Sargut S., Kiran B.
18th International Workshop on Industrial Crystallization, Rotterdam, Netherlands, 7 - 09 September 2011, pp.182-187
- XXXIX. **Reactive Crystallization of Gypsum in the Presence of Polyelectrolytes**
Sayan P., Sargut S., Kiran B.
18th International Workshop on Industrial Crystallization, Rotterdam, Netherlands, 7 - 09 September 2011, pp.164-169
- XL. **Physical and Chemical Characterization of precipitated Magnesium Silicate from Rice Hull ash Silica**
Sayan P., Sargut S., Yücel S., Kiran B.
17th International Workshop on Industrial Crystallization, Halle, Germany, 8 - 10 September 2010, pp.295-299
- XLI. **Jipsin çeşitli yüzey aktif maddeler varlığında filtrasyon karakteristiğinin incelenmesi**
Kiran Yıldırım B., Sargut S., Sayan P.
IX. Ulusal Kimya Mühendisliği Kongresi, Ankara, Turkey, 22 - 25 June 2010, pp.527-528
- XLII. **Effect of Ultrasound on the Crystallization of Potassium Dihydrogen Phosphate**
Sayan P., Sargut S., Kiran B.
16th International Workshop on Industrial Crystallization , Lappeenranta, Finland, 9 - 11 September 2009, pp.264-271
- XLIII. **Gypsum Crystallization in the Presence of Cr(III) and Citric Acid**
Sargut S., Sayan P., Kiran B.
16th International Workshop on Industrial Crystallization , Lappeenranta, Finland, 9 - 11 September 2009, pp.287-293
- XLIV. **Solubility and Phase Stability of the Needle-Like Lysozyme Chloride Crystals**
Aldabaibeh N., Kiran B., Jones M. J., Myerson A. S., Ulrich J.
17th International Symposium on Industrial Crystallization , Maastricht, Netherlands, 14 - 17 September 2008, pp.1959-1968
- XLV. Kiran B., Sargut S., Sayan P., Tunçberk S.
VIII. Ulusal Kimya Mühendisliği Kongresi, Malatya, Turkey, 26 - 28 August 2008, pp.403-404
- XLVI. Kiran B., Sayan P., Sargut S., Akpınar Z.
VIII. Ulusal Kimya Mühendisliği Kongresi, Malatya, Turkey, 26 - 29 August 2008, pp.491-492
- XLVII. **Bor Tuzlarının Kristal Sertliklerine Safsızlıkların Etkisi**
Kiran B., Sayan P.
VII. Ulusal Kimya Mühendisliği Kongresi, Eskişehir, Turkey, 5 - 08 September 2006, pp.1-6

Supported Projects

Genç S., KIRAN YILDIRIM B., TUBITAK Project, Tekstil Endüstrisi Atık Sularında Zr-MOF Bazlı Membranlar ile Boyar Madde Gideriminin İncelenmesi, 2023 - 2026

Haciosmanoğlu G. G., Can Z. S., Semerci N., Genç S., Kiran Yıldırım B., TUBITAK Project, Developing an adsorption system using boron minerals for the removal of emerging pollutants, 2023 - 2025

Kiran Yıldırım B., Mançuhan E., Ünal Teker S., Project Supported by Higher Education Institutions, Bir soğutma sisteminin performansını arttırmak için farklı faz değiştiren maddelerin kullanımı, 2023 - 2025

Kiran Yıldırım B., Mançuhan E., Ersoy A., Project Supported by Higher Education Institutions, YENİLİKÇİ FAZ DEĞİŞİM MALZEMELERİNİN SOĞUTMA SİSTEM PERFORMANSINA ETKİLERİNİN DENEYSEL VE TEORİK OLARAK İNCELENMESİ, 2022 - 2024

Kiran Yıldırım B., Project Supported by Higher Education Institutions, 2019 - 2020

Gaukel V., Karbstein H., TUBITAK Project, Investigation of Crystallization and Recrystallization of Ice Crystals in the Presence of Kappa (k) Carrageenan and Antifreeze Glycoprotein, 2019 - 2019

Kiran Yıldırım B., Project Supported by Higher Education Institutions, Anyonik Polielektrotlar Varlığında Sodyum Perboratın Metastabil Bölge Genişliği, 2018 - 2019

Kiran Yıldırım B., Project Supported by Higher Education Institutions, 2017 - 2018

Sayan P., Sargut S., Kıran Yıldırım B., Project Supported by Higher Education Institutions, 2011 - 2014
Özveri R. G., Aris M., Kıran Yıldırım B., Kıran B., Sargut S., TUBITAK Project, 2012 - 2013
Mançuhan E., Sayan P., Sargut S., Alpman E., Kıran B., Project Supported by Higher Education Institutions, Yaş Tuğla Kurutma Proseslerinde Optimum Koşulların Modellenmesi, 2010 - 2013
Sayan P., Sargut S., Yücel S., Kıran B., Project Supported by Higher Education Institutions, Tahıl İşleme Atıklarından Magnezyum Silikat Üretimi Ve Filtre Yapımında Değerlendirilmesi, 2010 - 2012
Sayan P., Sargut S., Kıran B., Project Supported by Higher Education Institutions, Kalsiyum Oksalat Kristalizasyonuna Üriner Proteinlerin Etkisinin İncelenmesi, 2008 - 2009

Student Project

R & D Project, Faz Değiştiren Maddeler Varlığında Bir Dondurucunun Enerji Tüketiminin Yüzey Yanıt Metodu ile Optimize Edilmesi, Marmara University, Faculty of Engineering, Chemical Engineering, Turkey, 2022 - 2023
R & D Project, Ev Tipi Bir Buzdolabının Kabin İç Sıcaklık Dalgalanmasının Faz Değiştiren Maddelerle Minimize Edilmesi Ve Enerji Tasarrufu Sağlanması, Marmara University, Faculty of Engineering, Chemical Engineering, Turkey, 2022 - 2023

Activities in Scientific Journals

International journal of advances in engineering and pure sciences (Online), Assistant Editor/Section Editor, 2021 - Continues

Scientific Refereeing

INTERNATIONAL JOURNAL OF THERMODYNAMICS, National Scientific Refreed Journal, December 2021
Konya Mühendislik Bilimleri Dergisi, Other Journals, December 2021
INTERNATIONAL JOURNAL OF THERMODYNAMICS, National Scientific Refreed Journal, October 2021
23. Isı Bilimi ve Tekniği Kongresi (ULIBTK 2021), Conference Paper (Full Text), July 2021
23. Isı Bilimi ve Tekniği Kongresi (ULIBTK 2021), Conference Paper (Full Text), July 2021
Chemical Engineering Communications, Journal Indexed in SCI-E, February 2021
CHEMICAL ENGINEERING COMMUNICATIONS, SCI Journal, April 2020

Tasks In Event Organizations

Kıran B., 2. Ulusal Kimya Mühendisliği Öğrenci Kongresi , Scientific Congress, Ankara, Turkey, Mayıs 2013

Mobility Activity

Post Doc, Post Doc, Karlsruhe Institute of Technology (KIT), Germany, 2018 - 2019
Erasmus Programme, Student Mobility, Martin-Luther-Universitaet Halle-Wittenberg, Germany, 2007 - 2008

Metrics

Publication: 73
Citation (WoS): 114
Citation (Scopus): 118
H-Index (WoS): 6

H-Index (Scopus): 8

Congress and Symposium Activities

4th International Congress on Students Academic Students, Attendee, İstanbul, Turkey, 2020
6th International Conference on New Trends in Chemistry, Attendee, İstanbul, Turkey, 2020
BIWIC 2019: 26th International Workshop on Industrial Crystallization, Attendee, Rayong, Thailand, 2019
30. Ulusal Kimya Kongresi, Attendee, Gazimagusa, Cyprus (Kktc), 2018
Sixth European Conference on Crystal Growth (ECCG6), Attendee, Varna, Bulgaria, 2018
24th International Workshop on Industrial Crystallization-BIWIC 2017, Attendee, Dortmund, Germany, 2017
Attendee, İzmir, Turkey, 2016
11. Ulusal Kimya Mühendisliği Kongresi, Attendee, Eskişehir, Turkey, 2014
2. Ulusal Kimya Mühendisliği Öğrenci Kongresi , Attendee, Ankara, Turkey, 2013
18th International Workshop on Industrial Crystallization-BIWIC 2011, Attendee, Rotterdam, Netherlands, 2011
17th International Workshop on Industrial Crystallization-BIWIC 2010, Attendee, Halle, Germany, 2010
IX. Ulusal Kimya Mühendisliği Kongresi, Attendee, Ankara, Turkey, 2010
16th International Workshop on Industrial Crystallization , Attendee, Lappeenranta, Finland, 2009
VIII. Ulusal Kimya Mühendisliği Kongresi, Attendee, Malatya, Turkey, 2008
VII. Ulusal Kimya Mühendisliği Kongresi, Attendee, Eskişehir, Turkey, 2006

Scholarships

2224-A Yurt Dışı Bilimsel Etkinliklere Katılma Desteği Programı, TUBITAK, 2020 - 2020
2219-International Postdoctoral Research Scholarship Programme, TUBITAK, 2019 - 2019
Research Stays for University Academics and Scientists, Other International Organizations, 2018 - 2019
University, 2007 - 2008

Awards

Kıran B., Bölüm İkinciliği Plaketi, Marmara Üniversitesi Kimya Mühendisliği Bölümü, July 2006
Kıran B., Üstün Başarı Plaketi ve Sertifikası, Kimya Mühendisleri Odası İstanbul Şubesi, July 2006

Non Academic Experience

Karlsruhe Institute of Technology
Martin Luther Üniversitesi, Thermische Verfahrenstechnik (Thermal Process Engineering), Halle-Saale, Almanya
Mavi Kimya A.Ş.