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Kişisel Bilgiler

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Uluslararası Araştırmacı ID'leri

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Publons / Web Of Science ResearcherID: AAW-2449-2020

ScopusID: 57205248868

Yoksis Araştırmacı ID: 202985

Biyografi

Sevgi received her BSc and MSc degrees in Chemical Engineering from Anadolu University. She got her Ph.D. degree in Chemical Engineering at the University of Marmara in 2018. Sevgi then continued to work as a postdoctoral fellow at the Delft University of Technology. She is currently an associate professor in the Department of Chemical Engineering at Marmara University. Her research focuses on chemical engineering separation processes, electrochemical separation, crystal engineering, thermal analysis, and experimental design.

Eğitim Bilgileri

Post Doktora, Technische Universiteit Delft, Process & Energy Department, Hollanda 2021 - 2022

Doktora, Marmara Üniversitesi, Fen Bilimleri Enstitüsü, Kimya Mühendisliği (İngilizce) Anabilim Dalı, Türkiye 2014 - 2018

Yüksek Lisans, Anadolu Üniversitesi, Fen Bilimleri Enstitüsü, Kimya Mühendisliği Anabilim Dalı, Türkiye 2011 - 2014

Lisans, Anadolu Üniversitesi, Mühendislik-Mimarlık Fakültesi, Kimya Mühendisliği Bölümü, Türkiye 2006 - 2011

Yaptığı Tezler

Doktora, Investigation of Behaviours of Phase Changed Crystals in the Presence of Additives, Marmara Üniversitesi, Fen Bilimleri Enstitüsü, Kimya Mühendisliği (Dr), 2018

Yüksek Lisans, Farklı Atıkların TG-FTIR-MS ile Isıl Davranışlarının Belirlenmesi, Anadolu Üniversitesi, Fen Bilimleri Enstitüsü, 2014

Araştırma Alanları

Kimya Mühendisliği ve Teknolojisi, Temel İşlemler ve Termodinamik, Mühendislik ve Teknoloji

Akademik Unvanlar / Görevler

Verdiği Dersler

Bitirme Projesi II, Lisans, 2019 - 2020

Enerji Teknolojisi, Stratejisi ve Ekonomisi, Lisans, 2019 - 2020

Basic Chemistry, Lisans, 2019 - 2020

Bitirme Projesi I, Lisans, 2019 - 2020

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Electrochemical cell design and performance evaluation of polyvinyl ferrocene/carbon nanotube electrodes for selective formate separation**
Polat S., Kortlever R., Eral H. B.
SEPARATION AND PURIFICATION TECHNOLOGY, cilt.324, ss.124554, 2023 (SCI-Expanded)
- II. **Optimization and continuous-flow operation of electrochemically mediated selective formate separation by polyvinyl ferrocene/graphene oxide electrodes**
Polat S., Kortlever R., Eral H. B.
CHEMICAL ENGINEERING JOURNAL, cilt.475, 2023 (SCI-Expanded)
- III. **Influence of Glycyl-L-Glutamic Acid Dipeptide on Calcium Pyrophosphate Dihydrate Crystallization**
Polat S., An Q., Eral H. B.
CHEMICAL ENGINEERING AND TECHNOLOGY, cilt.1, sa.1, ss.1-10, 2023 (SCI-Expanded)
- IV. **An Edible Humidity Indicator That Responds to Changes in Humidity Mechanically**
Zhang M., Arunachalam A., Perrin H., Polat S., Groenewold J., Mendes E., Eral H. B.
ACS APPLIED POLYMER MATERIALS, cilt.1, sa.1, ss.1-9, 2023 (SCI-Expanded)
- V. **Carbon monoxide separation: past, present and future**
Ma X., Albertsma J., Gabriels D., Horst R., Polat S., Snoeks C., Kapteijn F., Eral H. B., Vermaas D. A., Mei B., et al.
CHEMICAL SOCIETY REVIEWS, cilt.52, ss.3741-3777, 2023 (SCI-Expanded)
- VI. **Ultrasound-promoted preparation of polyvinyl ferrocene-based electrodes for selective formate separation: Experimental design and optimization**
Polat S., Kortlever R., Eral H. B.
ULTRASONICS SONOCHEMISTRY, cilt.89, 2022 (SCI-Expanded)
- VII. **Effect of hyaluronic acid on the struvite crystallization: A structural, morphological, and thermal analysis study**
Polat S., Eral H. B.
JOURNAL OF CRYSTAL GROWTH, cilt.592, ss.1-11, 2022 (SCI-Expanded)
- VIII. **Elucidating the role of hyaluronic acid in the structure and morphology of calcium oxalate crystals**
Polat S., Eral H. B.
ADVANCED POWDER TECHNOLOGY, cilt.32, sa.10, ss.3650-3659, 2021 (SCI-Expanded)
- IX. **Effect of L-alanyl-glycine dipeptide on calcium oxalate crystallization in artificial urine**
Polat S., Eral H. B.
JOURNAL OF CRYSTAL GROWTH, cilt.566, 2021 (SCI-Expanded)
- X. **Effect of Apium graveolens extract on the surface morphology and characteristics of calcium pyrophosphate crystals**
Polat S., Sayan P.
JOURNAL OF CRYSTAL GROWTH, cilt.562, 2021 (SCI-Expanded)
- XI. **Effects of Tryptophan on the Polymorphic Transformation of Calcium Carbonate: Central Composite Design, Characterization, Kinetics, and Thermodynamics**

Polat S., Ozalp-Sendur T. N., Sayan P.

ACTA CHIMICA SLOVENICA, cilt.68, sa.2, ss.414-425, 2021 (SCI-Expanded)

- XII. **Precipitation, characterization, and kinetic modeling of calcium carbonate prepared using sodium myristate**

Polat S., Sayan P.

CHEMICAL ENGINEERING COMMUNICATIONS, cilt.207, sa.11, ss.1579-1590, 2020 (SCI-Expanded)

- XIII. **Experimental investigations on the effects of asparagine and serine on the polymorphism of calcium carbonate**

POLAT S.

ADVANCED POWDER TECHNOLOGY, cilt.31, sa.10, ss.4282-4291, 2020 (SCI-Expanded)

- XIV. **Ultrasonic-assisted eggshell extract-mediated polymorphic transformation of calcium carbonate**

Polat S., Sayan P.

ULTRASONICS SONOCHEMISTRY, cilt.66, 2020 (SCI-Expanded)

- XV. **Assessment of the thermal pyrolysis characteristics and kinetic parameters of spent coffee waste: a TGA-MS study**

Polat S., Sayan P.

ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, 2020 (SCI-Expanded)

- XVI. **Preparation, characterization and kinetic evaluation of struvite in various carboxylic acids**

Polat S., Sayan P.

JOURNAL OF CRYSTAL GROWTH, cilt.531, 2020 (SCI-Expanded)

- XVII. **Effects of Amino Acids on the Crystallization of Calcium Tartrate Tetrahydrate**

POLAT S., Aytan-Goze E., SAYAN P.

ACTA CHIMICA SLOVENICA, cilt.67, sa.3, ss.842-852, 2020 (SCI-Expanded)

- XVIII. **Application of response surface methodology with a Box-Behnken design for struvite precipitation**

Polat S., Sayan P.

ADVANCED POWDER TECHNOLOGY, cilt.30, sa.10, ss.2396-2407, 2019 (SCI-Expanded)

- XIX. **An in vitro evaluation of the effects of Urtica dioica and Fructus Urtica Piluliferae extracts on the crystallization of calcium oxalate**

Polat S.

JOURNAL OF CRYSTAL GROWTH, cilt.522, ss.92-102, 2019 (SCI-Expanded)

- XX. **Ultrasonic Irradiation during the Calcium Sulfate Hemihydrate to Dihydrate Transformation Process**

Polat S., Sayan P.

CHEMICAL ENGINEERING & TECHNOLOGY, cilt.42, sa.7, ss.1466-1474, 2019 (SCI-Expanded)

- XXI. **An experimental investigation and kinetic-modeling study of the phase transformation behavior of glycine in various carboxylic acids**

Polat S., Sayan P.

ASIA-PACIFIC JOURNAL OF CHEMICAL ENGINEERING, cilt.14, 2019 (SCI-Expanded)

- XXII. **Evaluation of the effects of sodium laurate on calcium carbonate precipitation: Characterization and optimization studies**

POLAT S.

JOURNAL OF CRYSTAL GROWTH, cilt.508, ss.8-18, 2019 (SCI-Expanded)

- XXIII. **Effect of ultrasonic irradiation on morphology and polymorphic transformation of glycine**

Polat S., Sayan P.

ULTRASONICS SONOCHEMISTRY, cilt.47, ss.17-28, 2018 (SCI-Expanded)

- XXIV. **Evaluation of solvent-mediated phase transformation of glycine using oleic acid: Morphology and characterization study**

Polat S., Sayan P.

CHINESE JOURNAL OF CHEMICAL ENGINEERING, cilt.26, ss.1829-1836, 2018 (SCI-Expanded)

- XXV. **The characterization and polymorphism of alpha-Glycine in the presence of butyric acid**

Polat S., Sayan P.

ADVANCED POWDER TECHNOLOGY, cilt.29, ss.1968-1976, 2018 (SCI-Expanded)

- XXVI. **Characteristics and Thermal Kinetics of Hydroxyapatite Crystals Doped with Tricarballic Acid**
Polat S., Sayan P.
CHEMICAL ENGINEERING & TECHNOLOGY, cilt.41, sa.6, ss.1108-1117, 2018 (SCI-Expanded)
- XXVII. **Kinetic analysis and polymorphic phase transformation of glycine in the presence of lauric acid**
Polat S., Sayan P.
JOURNAL OF CRYSTAL GROWTH, cilt.481, ss.71-79, 2018 (SCI-Expanded)
- XXVIII. **Impacts of UV Radiation on the Polymorphic Transformation of Glycine to Glycine**
Polat S., Sayan P.
CRYSTAL RESEARCH AND TECHNOLOGY, cilt.53, 2018 (SCI-Expanded)
- XXIX. **Assessment of propionic acid adsorption performance on the phase transformation of calcium sulfate hemihydrate to dihydrate**
Polat S., Sayan P.
SEPARATION SCIENCE AND TECHNOLOGY, cilt.53, ss.1966-1978, 2018 (SCI-Expanded)
- XXX. **Determination of the Effects of Carboxylic Acids on Calcium Sulfate Dihydrate Crystallization**
POLAT S., SAYAN P.
CHEMICAL ENGINEERING & TECHNOLOGY, cilt.40, sa.7, ss.1354-1361, 2017 (SCI-Expanded)
- XXXI. **Characterization and Kinetics of Calcium Sulfate Dihydrate Crystallization in the Presence of Trimesic Acid**
Polat S., Sayan P.
ASIA-PACIFIC JOURNAL OF CHEMICAL ENGINEERING, cilt.12, sa.3, ss.391-399, 2017 (SCI-Expanded)
- XXXII. **Effects of tricarballic acid on phase transformation of calcium sulfate hemihydrate to the dihydrate form**
Polat S., Sayan P.
CRYSTAL RESEARCH AND TECHNOLOGY, cilt.52, 2017 (SCI-Expanded)
- XXXIII. **Impact of glutamic acid on the transformation of calcium sulfate hemihydrate to dihydrate: Characterization, equilibrium, kinetics, and thermodynamics**
Polat S., Sayan P.
CHEMICAL ENGINEERING COMMUNICATIONS, cilt.204, ss.1318-1331, 2017 (SCI-Expanded)
- XXXIV. **Investigation of calcium sulfate dihydrate crystallization in the presence of glutamic acid in MSMR crystallizer**
POLAT S., SAYAN P., SARGUT S.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, cilt.32, sa.4, ss.1121-1130, 2017 (SCI-Expanded)
- XXXV. **Thermal decomposition behavior of tobacco stem Part II: Kinetic analysis**
Polat S., Apaydin-Varol E., Pütün A. E.
ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, cilt.38, sa.20, ss.3073-3080, 2016 (SCI-Expanded)
- XXXVI. **Thermal decomposition behavior of tobacco stem Part I: TGA-FTIR-MS analysis**
Polat S., Apaydin-Varol E., Pütün A. E.
ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, cilt.38, sa.20, ss.3065-3072, 2016 (SCI-Expanded)
- XXXVII. **PYROLYSIS KINETICS AND THERMAL DECOMPOSITION BEHAVIOR OF POLYCARBONATE - a TGA-FTIR study**
Apaydin-Varol E., Polat S., Pütün A. E.
THERMAL SCIENCE, cilt.18, ss.833-842, 2014 (SCI-Expanded)

Diğer Dergilerde Yayınlanan Makaleler

- I. **Thermal degradation of calcium lactate pentahydrate using TGA/FTIR/MS: thermal kinetic and thermodynamics studies**

Polat S.

INDIAN CHEMICAL ENGINEER, cilt.1, sa.1, 2021 (ESCI)

II. Süksinik Asit Varlığında Struvit Kristalizasyonunun İncelenmesi

Polat S., Görener N., Sayan P.

Konya Journal of Engineering Sciences, cilt.9, ss.54-65, 2021 (Hakemli Dergi)

III. Effect of various metal ions on gypsum precipitation

Polat S., Sayan P.

INDIAN CHEMICAL ENGINEER, cilt.63, sa.4, ss.363-373, 2021 (ESCI)

IV. Assessment of the effects of acetic, oxalic, and tricarballic acids on struvite crystallization: characterisation and kinetic studies

Polat S., Görener N., Sayan P.

Indian Chemical Engineer, cilt.63, sa.3, ss.324-337, 2021 (ESCI)

V. Polymorphic Phase Change of Calcium Carbonate with Glutamic Acid as an Additive

Polat S., Özalp T. N., Sayan P.

Journal of the Turkish Chemical Society, Section A: Chemistry, cilt.8, sa.1, ss.117-124, 2021 (Scopus)

VI. In Vitro Study on the Influence of Proline on Struvite Crystals

Polat S., Sayan P.

Hittite Journal of Science and Engineering, cilt.7, sa.4, ss.271-277, 2020 (Hakemli Dergi)

VII. Kalsiyum Karbonatın Polimorfik Faz Dönüşümünün Prolin Varlığında İncelenmesi

Polat S., Demiray B., Tekin B., Kardaş M.

Afyon Kocatepe Üniversitesi Fen ve Mühendislik Bilimleri Dergisi, cilt.20, sa.5, ss.883-891, 2020 (Hakemli Dergi)

VIII. Box–Behnken Experimental Design for Zinc Borate Zn₂B₆O₁₁·7H₂O

Polat S., Sayan P.

Journal of Boron, cilt.5, sa.3, ss.152-161, 2020 (Hakemli Dergi)

IX. Hidroksiapatit Kristalizasyonunun Pentanoik Asit Varlığında İncelenmesi

Sayan P., Polat S., Kara A.

Balıkesir Üniversitesi Fen Bilimleri Enstitüsü Dergisi, cilt.22, sa.2, ss.415-427, 2020 (Hakemli Dergi)

X. Effects of Mandelic and Propane-1,2,3-Tricarboxylic Acids on Calcium Oxalate Monohydrate Crystallization

Polat S., Sayan P.

International Journal of Advances in Engineering and Pure Sciences, cilt.32, sa.1, ss.33-41, 2020 (Hakemli Dergi)

XI. Effect of avocado (persea gratissima) leaf extract on calcium oxalate crystallization

Polat S.

ACTA Pharmaceutica Scientia, cilt.58, sa.1, ss.35-48, 2020 (Scopus)

XII. Effects of polyelectrolytes on the hardness of borax decahydrate crystals

Polat S., Sayan P.

Bor Dergisi, cilt.4, sa.4, ss.172-179, 2019 (Hakemli Dergi)

XIII. THE PHYSICOCHEMICAL CHARACTERIZATION AND KINETIC PARAMETER ASSESSMENT OF HYDROXYAPATITE CRYSTALS

Polat S.

Eskişehir Technical University Journal of Science and Technology A - Applied Sciences and Engineering, cilt.20, sa.4, ss.393-405, 2019 (Hakemli Dergi)

XIV. Thermal Characteristics and Kinetic Parameters Assessment of Chitosan

Polat S., Sayan P.

Eurasian Journal of Biological and Chemical Sciences (Eurasian J. Bio. Chem. Sci.), cilt.1, sa.2, ss.42-47, 2018 (Hakemli Dergi)

XV. Growth Kinetics of Calcium Sulfate Dihydrate in the Presence of Oxalic Acid

Polat S., Sargut S., Sayan P.

Journal of Turkish Chemical Society B Chemical Engineering, cilt.1, ss.39-48, 2017 (Hakemli Dergi)

XVI. TÜTÜN TARLA ATIĞININ TGA FTIR MS İLE TERMAL DAVRANIŞININ BELİRLENMESİ

Polat S., Pütün A. E.

Anadolu University Journal of Science and Technology-A Applied Sciences and Engineering, cilt.16, ss.211, 2015
(Hakemli Dergi)

XVII. TGA FTIR study on the thermal decomposition of tea waste

Polat S., Varol E., Pütün A. E.

Journal of Selçuk University Natural and Applied Science, cilt.1, sa.1, ss.420-430, 2013 (Hakemli Dergi)

XVIII. Biosorption of Cu (II) from aqueous solution by grape waste Equilibrium Kinetics and Thermodynamics

Polat S., Pütün E., Kılıç M., Pütün A. E.

Journal of Selçuk University Natural and Applied Science, cilt.1, sa.1, ss.108-119, 2013 (Hakemli Dergi)

Kitap & Kitap Bölümleri

I. Effects Of Amino Acids On Calcium Carbonate Crystallization

SAYAN P., POLAT S., ÖZALP-ŞENDUR T. N.

LAP LAMBERT Academic Publishing, 2021

II. Evaluation of Grape Wine Industry Waste as Low Cost Biosorbent: Isotherms, Kinetics and Thermodynamics Study

Polat S., Pütün A. E., Pütün E.

LAP LAMBERT Academic Publishing, Saarbrücken, 2016

III. Farklı Atıkların TGA-FTIR-MS ile Isıl Davranışlarının Belirlenmesi

Polat S., Pütün A. E.

LAP LAMBERT Academic Publishing, Saarbrücken, 2016

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

I. The Role of Ultrasound In Controlling The Glycine Polymorphs

POLAT S., ERAL H. B.

14th International Conference on Crystal Growth of Organic Materials (CGOM14), Belçika, 11 - 14 Eylül 2022, ss.109

II. Influence of Aspartic Acid and Glutamic Acid Additives on Calcium Pyrophosphate Crystallization

POLAT S., AN Q., ERAL H. B.

BIWIC 2022 - 27th International Workshop on Industrial Crystallization, Espoo, Finlandiya, 31 Ağustos - 02 Eylül 2022, ss.136-141

III. Electrochemical cell design and performance evaluation of polyvinyl ferrocene/carbon nanotube electrodes for selective formate separation

POLAT S., KORTLEVER R., ERAL H. B.

19th Asian Pacific Confederation of Chemical Engineering Congress (APCChE 2022), Malezya, 9 - 12 Ağustos 2022, ss.123-130

IV. Influence of osteopontin on calcium oxalate crystallization in artificial urine

POLAT S., ERAL H. B.

19th Asian Pacific Confederation of Chemical Engineering Congress (APCChE 2022), Malezya, 9 - 12 Ağustos 2022

V. Fabrication of calcium sulfate hemihydrate whisker under hydrothermal condition

POLAT S., ERAL H. B.

ECCG7 – Seventh European Conference on Crystal Growth, Paris, Fransa, 25 - 27 Temmuz 2022

VI. Experimental investigation of the effect of hyaluronic acid on calcium pyrophosphate crystallization

POLAT S., ERAL H. B.

ECCG7 – Seventh European Conference on Crystal Growth, Paris, Fransa, 25 - 27 Temmuz 2022

VII. Polyvinyl ferrocene/ carbon nanotube electrode performance for electrochemical formate separation in a redox flow cell

POLAT S., KORTLEVER R., ERAL H. B.

5th ECCM Conference, Hollanda, 24 Haziran 2022

- VIII. **Elucidating the effect of hyaluronic acid on the structure and morphology of calcium oxalate crystals**
POLAT S., ERAL H. B.
Dutch Association for Crystal Growth (DACG) Spring Meeting, Amsterdam, Hollanda, 25 Mayıs 2022
- IX. **Selective Formate Separation Using Redox-Active Polyvinyl Ferrocene-Functionalized Electrodes**
POLAT S., KORTLEVER R., ERAL H. B.
Netherlands Process Technology Symposium (NPS17), Delft, Hollanda, 4 - 05 Nisan 2022
- X. **Optimized Preparation of Polyvinyl Ferrocene-Based Electrodes for Selective Ion Separation**
POLAT S., KORTLEVER R., ERAL H. B.
e-Refinery Symposium, Hollanda, 14 - 15 Mart 2022
- XI. **Polyvinyl Ferrocene Based Electrodes for Selective Formate Separation**
POLAT S., KORTLEVER R., ERAL H. B.
NWO CHAINS 2021, Hollanda, 7 - 08 Aralık 2021
- XII. **Optimization of Ultrasound-Assisted Preparation of Polyvinyl Ferrocene Based Electrodes for Selective Separation**
POLAT S., LEONG Z., KORTLEVER R., ERAL H. B.
ECCM Research Day 2021, Hollanda, 11 Kasım 2021
- XIII. **Süksinik Asit Varlığında Struvit Kristalizasyonunun İncelenmesi**
Görener N., Polat S., Sayan P.
14. Ulusal Kimya Mühendisliği Kongresi (UKMK2020), Konya, Türkiye, 10 - 12 Haziran 2021, ss.151-0
- XIV. **Kalsiyum Karbonatın Yapısal ve Morfolojik Özelliklerinin Ala-Gly ile Kontrol Edilmesi**
Sayan P., Polat S., Civil M., İlerigiden S.
14. Ulusal Kimya Mühendisliği Kongresi (UKMK2020), Konya, Türkiye, 10 - 12 Haziran 2021
- XV. **Glutamik Asitin Kalsiyum Oksalat Kristalizasyonuna Etkisinin İncelenmesi**
Polat S.
14. Ulusal Kimya Mühendisliği Kongresi (UKMK2020), Konya, Türkiye, 10 - 12 Haziran 2021, ss.29-0
- XVI. **Effects of Hyaluronic Acid on the Structure and Morphology of Calcium Oxalate Crystals**
POLAT S., ERAL H. B.
5th Asian Crystallization Technology Symposium (ACTS-2021), Pattaya, Tayland, 26 - 28 Mayıs 2021
- XVII. **Elucidating the Role of Glycine and Alanine in Calcium Oxalate Crystallization**
POLAT S., ERAL H. B.
5th Asian Crystallization Technology Symposium (ACTS-2021), Pattaya, Tayland, 26 - 28 Mayıs 2021
- XVIII. **Optimization of Calcium Carbonate Crystallization in the presence of Threonine Using Response Surface Methodology**
ÖZALP T. N., POLAT S., SAYAN P.
International Eurasian Conference on Biotechnology and Biochemistry (BioTechBioChem 2020), Ankara, Türkiye, 16 - 18 Aralık 2020, ss.47
- XIX. **Kinetics Analysis for Calcium Carbonate Prepared using Threonine**
ÖZALP T. N., POLAT S., SAYAN P.
International Eurasian Conference on Biotechnology and Biochemistry (BioTechBioChem 2020), Ankara, Türkiye, 16 - 18 Aralık 2020, ss.97
- XX. **Glutamik Asit Varlığında Kalsiyum Karbonat Kristalizasyonunun İncelenmesi**
Özalp T. N., Polat S., Sayan P.
32. Online Ulusal Kimya Kongresi, Eskişehir, Türkiye, 17 - 19 Eylül 2020
- XXI. **Kalsiyum Karbonatın Polimorfik Faz Dönüşümünün Ultrasonik Etki Varlığında İncelenmesi**
ÖZALP T. N., POLAT S., SAYAN P.
32. Online Ulusal Kimya Kongresi, Türkiye, 17 - 19 Eylül 2020
- XXII. **Influence of Serine and Proline on the Crystallization of Paracetamol**
POLAT S., SAYAN P.
3rd International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2020), Ankara,

Türkiye, 19 - 20 Mart 2020, ss.45

XXIII. Effect of Proline on the Polymorphic Transformation Behavior of Calcium Carbonate

POLAT S.

3rd International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2020), Ankara, Türkiye, 19 - 20 Mart 2020, ss.117

XXIV. A TGA/MS Study on Pyrolysis Behavior and Kinetics Assessment of Walnut Shell

Polat S., Sayan P.

5th International Conference On Advances in Mechanical Engineering: ICAME2019, İstanbul, Türkiye, 17 - 19 Aralık 2019

XXV. Investigation of Paracetamol Crystallization in the Presence of Alanine and Tryptophan

Polat S., Sayan P.

4 th Porous and Powder Materials Symposium and Exhibitions (PPM2019), Muğla, Türkiye, 9 - 11 Ekim 2019, ss.45

XXVI. The Influence of Curcumin on Calcium Oxalate Crystallization in Vitro

Polat S., Sayan P.

4 th International Porous and Powder Materials Symposium and Exhibitions (PPM2019), Muğla, Türkiye, 9 - 11 Ekim 2019, ss.192-196

XXVII. Determination of The Effect of Proline on Struvite Crystallization

Polat S., Sayan P.

4 th International Porous and Powder Materials Symposium and Exhibitions (PPM2019), Muğla, Türkiye, 9 - 11 Ekim 2019, ss.187-191

XXVIII. Effect of eggshell on polymorphic transformation of calcium carbonate

Polat S., Sayan P.

15th International Symposium on Biomineralization, Munich, Almanya, 9 - 13 Eylül 2019

XXIX. Influence of Equisetum arvense extract on calcium oxalate crystallization

Polat S., Sayan P.

15th International Symposium on Biomineralization, Munich, Almanya, 9 - 13 Eylül 2019

XXX. Kalsiyum Tartarat Kristalizasyonunun Alanin Katkısı Varlığında İncelenmesi

Göze E., Polat S., Sayan P.

31. Ulusal Kimya Kongresi, İstanbul, Türkiye, 10 - 13 Eylül 2019

XXXI. Oksalik Asidin Struvit Kristalizasyonuna Etkisinin İncelenmesi

Görener N., Polat S., Sayan P.

31. Ulusal Kimya Kongresi, İstanbul, Türkiye, 10 - 13 Eylül 2019

XXXII. Struvite precipitation assessment in the presence of methionine and serine

Polat S., Sayan P.

2nd International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2019), Ankara, Türkiye, 28 - 29 Haziran 2019

XXXIII. Influence of Acetic Acid on the Crystallization of Struvite

Görener N., Polat S., Sayan P.

2nd International Congress On Studies Academic Students, İstanbul, Türkiye, 26 - 27 Nisan 2019

XXXIV. Investigation of Aspartic Acid Effect on Calcium Tartrate Crystallization

Göze E., Polat S., Sayan P.

2nd International Congress On Studies Academic Students, İstanbul, Türkiye, 26 - 27 Nisan 2019

XXXV. Effects of Carboxylic Acids on the Metastable Zone Width of Glycine

POLAT S., SAYAN P.

4th International Congress On Engineering, Architecture And Design, İstanbul, Türkiye, 23 - 24 Nisan 2019

XXXVI. Effect of Methionine and Tyrosine Amino Acids on Calcium Carbonate Precipitation

POLAT S., SAYAN P.

4th International Congress On Engineering, Architecture And Design, İstanbul, Türkiye, 23 - 24 Nisan 2019

XXXVII. Kinetic Analysis of Thermal Decomposition of Mirabilite Using the Model-Fitting Methods

Polat S., Sayan P.

4th International Conference on Advances on Mechanical Engineering: ICAME 2018, İstanbul, Türkiye, 19 - 21

Aralık 2018

- XXXVIII. **Kinetic modelling of hydroxyapatite crystals in the presence of hydroxypropyl- β -cyclodextrin**
Polat S., Sayan P.
International Eurasian Conference on Science, Engineering and Technology (EurasianSciEnTech 2018), Ankara, Türkiye, 22 - 23 Kasım 2018
- XXXIX. **Effects of non-polar amino acids on calcium carbonate crystallization.**
Polat S., Sayan P.
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- XLIII. **Influence of ultrasonic irradiation on calcium sulfate hemihydrate to dihydrate transformation process: Evaluation of crystal products**
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- XLV. **Influence of Tartaric Acid on Phase Transformation Behavior of Glycine**
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- XLVI. **Glisinin Polimorfik Faz Dönüşümünün İncelenmesi**
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Yayın: 118
Atıf (WoS): 271
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