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Personal Information

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International Researcher IDs

ScholarID: ZF7XPkMAAAAJ

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Publons / Web Of Science ResearcherID: KOZ-9525-2024

ScopusID: 57802980100

Yoksis Researcher ID: 317336

Education Information

Doctorate, İstanbul University-Cerrahpaşa, Institute Of Graduate Education, Department Of Chemical Engineering, Turkey 2013 - 2023

Postgraduate, İstanbul University, Institute Of Graduate Studies In Sciences, Kimya Mühendisliği/Proses Ve Reaktör Tasarımı, Turkey 2010 - 2013

Undergraduate, İstanbul University, Mühendislik Fakültesi, Kimya Mühendisliği, Turkey 2003 - 2008

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Borakstan Tek Aşamada Sodyum Bor Hidrür Üretimi ve Proses Parametrelerinin Belirlenmesi, İstanbul University-Cerrahpaşa, Institute Of Graduate Education, 2023

Postgraduate, İran Ağır Petrol Kalıntısının Hidrokraking Reaksiyonlarının İncelenmesi, İstanbul University, Fen Bilimleri Enstitüsü, Kimya Mühendisliği/Proses Ve Reaktör Tasarımı, 2013

Research Areas

Chemical Engineering and Technology, Process and Reactor Design, Engineering and Technology

Academic Titles / Tasks

Assistant Professor, Çanakkale Onsekiz Mart University, Mühendislik Fakültesi, Kimya Mühendisliği, 2025 - Continues
Lecturer, Çanakkale Onsekiz Mart University, İnsan Ve Toplum Bilimleri Fakültesi-----, Science and
Technology Application and Research Center, 2020 - 2025

Courses

Undergraduate

Occupational Hazard and Risk Assessment, Undergraduate, 2023 - 2024

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Biological and Nutritional Applications of Microalgae**
Sarıtaş S., Kalkan A. E., Yılmaz K., Gürdal S., Göksan T., Witkowska A. M., Lombardo M., Karav S.
Nutrients, vol.17, no.1, 2025 (SCI-Expanded)
- II. **Optimization of bioethanol production from sugar beet processing by-product molasses using response surface methodology**
Altınışık S., Uğur Nigiz F., Gürdal S., Yılmaz K., Tuncel N. B., Koyuncu S.
BIOMASS CONVERSION AND BIOREFINERY, vol.0, no.0, 2024 (SCI-Expanded)
- III. **Hydrogenation reactions of kerosene on nickel-based catalysts**
Komurcu H., Yılmaz K., Gürdal S., Yaşar M.
International Journal of Hydrogen Energy, vol.48, no.60, pp.22934-22941, 2023 (SCI-Expanded)
- IV. **The Effect of Ionic Liquids Incorporation on the Self-healing Behavior of the Bitumen**
Arca S., Gürdal S., Canıaz R. O., Yılmaz K., Kömürçü H., Çetintaş R., Başkent Aydemir E., Yaşar M.
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, no.49, pp.299-309, 2023 (SCI-Expanded)

Articles Published in Other Journals

- I. **Investigation of Sodium Borohydride Synthesis from Anhydrous Borax: Impact of Stoichiometry and Alternative Reducing Agents**
Yılmaz K., Yaşar M.
Bilim-Teknoloji-Yenilik Ekosistemi Dergisi, vol.5, no.2, pp.115-122, 2024 (Peer-Reviewed Journal)
- II. **Chitosan Nanofibers Enriched with Oleuropein via Electrospinning: Potential as Active Packaging Materials**
Yörüksöy İ., Yılmaz K., Aydoğdu A., Gürdal S.
International Journal of Innovative Approaches in Science Research, vol.8, no.4, pp.148-158, 2024 (Peer-Reviewed Journal)
- III. **Uncovering the Hydrocracking Efficiency of Iron-Based Catalysts: A Novel Approach to Asphaltene Transformation in Iranian Heavy Oil**
Yılmaz K., Gürdal S., Yaşar M.
Journal of advanced research in natural and applied sciences (Online), vol.10, no.2, pp.1-8, 2024 (Peer-Reviewed Journal)
- IV. **Heavy Oil Residue Upgrading With Iron Based Catalysts Under High Hydrogen Pressure**
Gürdal S., Yılmaz K., Akmaz S., Yaşar M.
Journal of advanced research in natural and applied sciences (Online), vol.7, no.4, pp.527-535, 2021 (Peer-Reviewed Journal)

Books

- I. **Investigation Of The Peppermint Oil Incorporated Pectin Based Emulsion Films To Be Used As Active Packaging Material**
Yılmaz K., Çakal İ., Aydoğdu A., Gürdal S.
in: Research and Evaluations in the Field of Chemical Engineering, Ceren Karaman, Editor, Gece Kitaplığı Yayınevi,

Papers Published in Refereed Scientific Meetings

- I. **Hydrotreating of Kerosene with Nickel Based Catalysts**
Kömürcü H., Yılmaz K., Gürdal S., Yaşar M.
6th. International Hydrogen Technologies Congress, Çanakkale, Turkey, 23 - 26 January 2022, pp.11-14
- II. **Investigating Various Catalysts for Slurry Phase Hydrocracking of Iranian Heavy Oil Resid and Its Asphaltenes**
Haktanır M., Yılmaz K., Gürdal S., Akmaz S., Yaşar M.
2013 AIChE ANNUAL MEETING, California, United States Of America, 3 - 08 November 2013, pp.9-18
- III. **The Investigation of Slurry Hydrocracking Reactions of Iranian Heavy Oil Resid**
YILMAZ K., Akmaz S., Gürdal S., Haktanır M., Yaşar M.
IUPAC 44th World Chemistry Congress, İstanbul, Turkey, 11 - 16 August 2013, pp.1394
- IV. **The Investigation of Slurry Hydrocracking Reactions of Iranian Asphaltene**
Gürdal S., Akmaz S., YILMAZ K., Haktanır M., Yaşar M.
IUPAC 44th World Chemistry Congress, İstanbul, Turkey, 11 - 16 August 2013, pp.1395

Supported Projects

GÜRDAL S., YILMAZ K., KILLIOĞLU D. M. E., Project Supported by Higher Education Institutions, Basınç Ortamında Sodyum Bor Hidrürden Hidrojen Eldesi ve Proses Parametrelerinin İncelenmesi, 2023 - Continues

Yılmaz K., EU Supported Other Project, The West Marmara Digital Transformation Initiative, 2025 - 2028

Erginal A. E., Özcan H., Kavdır Y., ERENOĞLU R. C., YILMAZ K., Erasmus Project, Encouraging Young Farmers to Produce Compost for Healthy Soil and Organic Food Using Innovative Solutions, 2022 - 2024

Erenoğlu R. C., Bil E., İnal M., Erenoğlu O., Çelik Turan A., Gürdal S., Keskin G., Güdük T., Yılmaz S., Yılmaz K., Municipality, Doğa ve Macera Sporlarının Merkezi Geyikli, 2021 - 2023

Erenoğlu R. C., Bil E., İnal M., Mutlu Yıldırım F., Gürdal S., Binay C. S., Yılmaz K., Municipality, Ezine Süt ve Süt Ürünlerinin İhracat Potansiyelinin İncelenmesi ve Uluslararası Pazarlama Stratejilerinin Geliştirilmesi, 2021 - 2023

Yılmaz K., Yaşar M., Project Supported by Higher Education Institutions, Borakstan Tek Aşamada Sodyum Bor Hidrür Üretimi ve Proses Parametrelerinin Belirlenmesi, 2016 - 2023

Yılmaz K., Erol Y., Project Supported by Other Official Institutions, İstanbul Teknokent Uluslararası Hızlandırma Programı, 2018 - 2020

YILMAZ K., TÜBİTAK Project, İstanbul Üniversitesi Teknoloji Transfer Merkezi, 2014 - 2020

Erol Y., Kömürcü H., Gürdal S., Yılmaz K., TÜBİTAK Project, BİGGİST, 2016 - 2019

Yaşar M., Gürdal S., Yılmaz K., Development Agency, İstanbul Üniversitesi Ön kuluçka Merkezi, 2015 - 2016

YILMAZ K., TÜBİTAK Project, Fen ve Mühendislik Bilimlerinde TÜBİTAK Bilimsel Araştırma Projeleri Hazırlama Eğitimi: İstanbul Üniversitesi, 2015 - 2015

Yılmaz K., Project Supported by Higher Education Institutions, Investigation of Hydrocracking Reactions of Iranian Heavy Oil Resid, 2012 - 2013

Metrics

Publication: 13

Citation (Scopus): 5

H-Index (Scopus): 2

Non Academic Experience

TTO İstanbul Proje Geliştirme ve Yatırım A.Ş., Teknoloji Transferi Uzmanı
İstanbul Üniversitesi Teknoloji Transfer Ofisi, Teknoloji Transferi Uzmanı
İstanbul Teknokent A.Ş., Ar-Ge Projeleri Koordinatörü