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Personal Information

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International Researcher IDs

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Education Information

Doctorate, Yildiz Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Chemical Engineering, Turkey 2013 - 2021

Postgraduate, Kocaeli University, Mühendislik Fakültesi, Kimya Mühendisliği, Turkey 2010 - 2013

Undergraduate, Ege University, Faculty Of Engineering, Kimya Mühendisliği Bölümü, Turkey 1999 - 2006

Foreign Languages

English, B1 Intermediate

Research Areas

Environmental Engineering, Engineering and Technology

Academic Titles / Tasks

Lecturer, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, -, 2019 - Continues

Lecturer, Yildiz Technical University, Faculty Of Civil Engineering, Department Of Environmental Engineering, 2018 - 2019

Expert, Yildiz Technical University, Faculty Of Civil Engineering, Department Of Environmental Engineering, 2012 - 2018

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Removal of Anthraquinone Dye via Struvite: Equilibria, Kinetics, Thermodynamics, Fuzzy Logic Modeling**
YETİLMEZSOY K., ÖZÇİMEN D., Kocer A. T., Bahramian M., KIYAN E., AKBİN H. M., GONCALOĞLU B. İ.
INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH, vol.14, no.5, pp.541-566, 2020 (SCI-Expanded)
- II. **Utilization of struvite recovered from high-strength ammonium-containing simulated wastewater as slow-release fertilizer and fire-retardant barrier**
Yetilmezsoy K., Koçak E., Akbin H. M., Özçimen D.
ENVIRONMENTAL TECHNOLOGY, vol.41, no.2, pp.153-170, 2020 (SCI-Expanded)
- III. **Feasibility of struvite recovery process for fertilizer industry: A study of financial and economic**

analysis

Yetilmezsoy K., İlhan F., Koçak E., Akbin H. M.

JOURNAL OF CLEANER PRODUCTION, vol.152, pp.88-102, 2017 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

- I. **TREATMENT OF CHEESE WHEY WASTE WATER BY PHOTOCATALYTIC ADVANCED TREATMENT**
Akbin H. M., Akgün M.
III.ULUSLARARASI ŞEHİR, ÇEVRE VE SAĞLIK KONGRESİ, İstanbul, Turkey, 16 - 20 April 2021, pp.264-265
- II. **Characterization of Waste Sludge Containing Boron**
Kurtoğlu Akkaya G., Akbin H. M., Bilgili M. S., Kılıç H.
6th International Congress of Energy and Environment Engineering and Management, Paris, France, 22 - 24 July 2015
- III. **Survey of Buffer Solution and pH Effect on Immobilization of Lipozyme TL 100L on Celite**
Gürkaya Kutluk B., Akbin H. M., Kutluk T., Kapucu N.
International Conference on Environmental Science and Technology, Antalya, Turkey, 14 May 2014, pp.198-199
- IV. **Transesterification of Canola Oil by Immobilized Lipase Thermomyces Lanuginosus**
Akbin H. M., Gürkaya Kutluk B., İlgen O., Uyar B.
International Conference on Environmental Science and Technology, Antalya, Turkey, 14 May 2014, pp.405-406
- V. **Tutuklanmış Thermomyces lanuginosa Lipazı ile Kanola Yağından Biyodizel Üretimi Yüzey Cevap Yöntemi ile Proses Optimizasyonu**
AKBİN H. M., Bahar G., Uyar B., İlgen O., Kapucu N.
17.Ulusal Biyoteknoloji Kongresi, Turkey, 23 - 26 September 2012
- VI. **Biodiesel Production from Canola Oil by Thermomyces Lanuginosa Lipase Immobilized on Mg Al Hydrotalcite**
AKBİN H. M., Bahar G., Uyar B., İlgen O., Kapucu N.
4th National Catalysis Conference, Turkey, 21 - 24 March 2012
- VII. **Biodiesel production by Thermomyces Lanuginosa Lipase immobilized on different supports**
AKBİN H. M., BAHAR G., UYAR B., İLGEN O., KAPUCU N.
10th International Conference on Sustainable Energy Technologies, 4 - 07 September 2011
- VIII. **Farklı Kaynaklardan Elde Edilen Lipazların Hidrotalsit Celite ve Çitosana Tutuklanma Performansı**
AKBİN H. M., Bahar G., Uyar B., İlgen O., Kapucu N.
25.Ulusal Kimya Kongresi, Turkey, 27 June - 02 July 2011
- IX. **Biyodizel Üretimi İçin Thermomyces LanuginosaLipazının Farklı Desteklere Tutuklanması**
Gürkaya B., Akbin H. M., Uyar B., Kapucu N.
4. Enerji Verimliliği ve Kalitesi Sempozyumu, Kocaeli, Turkey, 12 May 2011, pp.262-264

Supported Projects

AKGÜN M., AKBİN H. M., Project Supported by Higher Education Institutions, Peynir altı Atık Suyunun Fotokatalitik Yöntemlerle Arıtılabilirliğinin Araştırılması, 2019 - 2021

Yetilmezsoy K., İlhan F., Kıyan E., Akbin H. M., Project Supported by Higher Education Institutions, Anaerobik Biyoreaktör Çıkış Sularından Struvit MgNH₄PO₄ 6H₂O Formunda Geri Kazanılan Nihai Ürünün Çok Yönlü Kullanım Özelliklerinin Araştırılması, 2014 - 2017

Akbin H. M., Kapucu N., TUBITAK Project, Biyodizel Yakıt ve Biyoyağlayıcıların Yenilenebilir Kaynaklardan Lipaz Katalizli Üretimi, 2010 - 2012

Metrics

Publication: 13

Citation (WoS): 88

Citation (Scopus): 119

H-Index (WoS): 3

H-Index (Scopus): 3

Non Academic Experience

TÜBİTAK