

Res. Asst. Günay ATAK

Personal Information

Email: gbaydar@yildiz.edu.tr

Web: <https://avesis.yildiz.edu.tr/gbaydar>

Address: Yıldız Teknik Üniversitesi Davutpaşa Kampüsü, Kimya-Metalürji Fakültesi, Kimya Mühendisliği Bölümü, 34210 Davutpaşa - Esenler - İSTANBUL

Education Information

Doctorate, Yıldız Technical University, Graduate School Of Natural And Applied Sciences, Kimya Mühendisliği, Turkey 2015 - 2022

Postgraduate, Ankara University, Fen Bilimleri Enstitüsü, Kimya Mühendisliği, Turkey 2011 - 2014

Undergraduate, Ankara University, Mühendislik Fakültesi, Kimya Mühendisliği, Turkey 2006 - 2011

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Theoretical and Experimental Study of Platelet Generation from Megakaryocyte in a Microfluidic Platform, Yıldız Technical University, Graduate School Of Natural And Applied Sciences, -, 2022

Postgraduate, Asimetrik İndirgenme Tepkimelerinin Bitki Biyokatalizörlüğünde İncelenmesi, Ankara Üniversitesi, Fen Bilimleri Enstitüsü, Kimya Mühendisliği, 2014

Research Areas

Chemical Engineering and Technology, Biotechnology, Biochemical Reaction Engineering, Life Sciences, Biotechnology, Bioreactor, Natural Sciences, Engineering and Technology

Academic Titles / Tasks

Research Assistant, Yıldız Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Chemical Engineering, 2015 - Continues

Research Assistant, Kafkas University, Faculty Of Engineering-Architecture, Kimya Mühendisliği, 2013 - 2015

Published journal articles indexed by SCI, SSCI, and AHCI

1. Optimization of the asymmetric synthesis of (S)-1-phenylethanol using Ispir bean as whole-cell biocatalyst

Baydar Atak G., Bayraktar E., Mehmetoglu U.

Refereed Congress / Symposium Publications in Proceedings

- I. **Investigation of the impact of different drying methods on the physical properties and quality of Salep**
Bilgiç B., Baydar Atak G., Sadıkoğlu H.
4TH INTERNATIONAL EURASIAN CONFERENCE ON BIOLOGICAL AND CHEMICAL SCIENCES, Ankara, Turkey, 24 - 26 November 2021, pp.1156
- II. **Effects of different drying methods on the quality of dried Serapias vomeracea**
Bilgiç B., Baydar Atak G., Sadıkoğlu H.
International Eurasian Conference on Biotechnology and Biochemistry (BioTechBioChem 2020), Ankara, Turkey, 16 - 18 December 2020, pp.17
- III. **Fabrication of a microchip with sub-10 microns for platelet formation from megakaryocyte**
Baydar Atak G., Omeroglu S., Sadıkoğlu H., Oruç M. E.
2nd International Eurasian Conference on Science, Engineering and Technology (EurasianSciEnTech 2020), Gaziantep, Turkey, 7 - 09 October 2020, pp.416
- IV. **THEORETICAL INVESTIGATION OF FREEZE-DRYING**
Bilgiç B., Baydar Atak G., Sadıkoğlu H.
5TH INTERNATIONAL CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING , İstanbul, Turkey, 17 - 19 December 2019, pp.1362-1363
- V. **A GENERAL OVERVIEW: PRODUCTION OF PLATELETS IN A MICROCHANNEL**
Baydar Atak G., Oruç M. E., Sadıkoğlu H.
5TH INTERNATIONAL CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING , İstanbul, Turkey, 17 - 19 December 2019, pp.1204
- VI. **Theoretical Investigation of Significant Parameters Affecting the Platelet Formation in Microchips**
Baydar Atak G., İnsel M. A., Oruç M. E., Sadıkoğlu H.
ICESME, Girne, Cyprus (Kkct), 8 - 10 November 2019, pp.23
- VII. **FLOW DYNAMICS IN A MICROCHANNEL FOR PLATELET FORMATION FROM MEGAKARYOCYTE**
Baydar Atak G., Oruc M. E., Sadikoglu H.
International Conference on Technology, Engineering and Science (IConTES), Antalya, Turkey, 26 October 2018, pp.79
- VIII. **Bitki Biyokatalizörlüğünde Enantiyomerik Saflıkta 1-feniletanol Üretimi**
BAYDAR G., BAYRAKTAR E., MEHMETOĞLU Ü.
11. ULUSAL KİMYA MÜHENDİSLİĞİ KONGRESİ (UKMK), Eskişehir, Turkey, 02 September 2014
- IX. **İLAÇ ÜRETİMİNDE ÖNCÜ MADDE OLARAK KULLANILAN SEKONDER ALKOLLERİN BİYOTRANSFORMASYON PROSESİYLE ENANTİYOMERİK SAFLIKTA ÜRETİMİ**
BAYDAR G., MEHMETOĞLU Ü.
1. İlaç Kimyası, Üretimi, Teknolojisi, Standardizasyonu Kongresi, Antalya, Turkey, 29 March 2013

Supported Projects

SADIKOĞLU H., ATAK G., YILMAZ B., ORUÇ M. E., Project Supported by Higher Education Institutions, Megakaryositlerden Trombosit Oluşumunun Mikroakışkan Kanallarda İncelenmesi, 2018 - 2021

Metrics

Publication: 11

Citation (WoS): 4

Citation (Scopus): 4

H-Index (WoS): 1

H-Index (Scopus): 1

Congress and Symposium Activities

2nd International Eurasian Conference on Science, Engineering and Technology (EurasianSciEnTech 2020), Attendee, Gaziantep, Turkey, 2020

5TH INTERNATIONAL CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING, Attendee, İstanbul, Turkey, 2019

The Second International Conference on Mathematics, Science and Engineering Education (ICESME'19), Attendee, Girne, Cyprus (Kktc), 2019

International Conference on Technology, Engineering and Science (IConTES), Attendee, Antalya, Turkey, 2018

11. Ulusal Kimya Mühendisliği Kongresi, Attendee, Eskişehir, Turkey, 2014

1. İlaç Kimyası, Üretimi, Teknolojisi, Standardizasyonu Kongresi, Attendee, Antalya, Turkey, 2013