Assoc. Prof. MESHUDE AKBULUT SÖYLEMEZ

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Publons / Web Of Science ResearcherID: K-3330-2013
ScopusID: 57193152802
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Education Information

Doctorate, Hacettepe University, Fen Fakültesi, Kimya , Turkey 2009 - 2013
Postgraduate, Hacettepe University, Fen Fakültesi, Kimya , Turkey 2006 - 2009
Undergraduate, Hacettepe University, Fen Fakültesi, Kimya (İng), Turkey 2001 - 2006

Foreign Languages

English, B2 Upper Intermediate

Research Areas

Chemistry, Natural Sciences

Academic Titles / Tasks

Associate Professor, Hacettepe University, Fen Fakültesi, Kimya Bölümü, 2021 - Continues
Assistant Professor, Hacettepe University, Fen Fakültesi, Kimya Bölümü, 2018 - Continues
Research Assistant, Hacettepe University, Fen Fakültesi, Kimya Bölümü, 2007 - 2018

Published journal articles indexed by SCI, SSCI, and AHCI

I. **A porous fabric-based molecularly imprinted polymer for specific recognition of tetracycline by radiation-induced RAFT-mediated graft copolymerization**
AKBULUT SÖYLEMEZ M., Can H., BAĞDA E., BARSBAY M.
RADIATION PHYSICS AND CHEMISTRY, vol.199, 2022 (SCI-Expanded)

II. **Synergistic effect of e-beam irradiation and graphene oxide incorporation on thermal, mechanical, and barrier properties of poly (ethylene-co-vinyl alcohol) film**
Santana J. G., AKBULUT SÖYLEMEZ M., Temperini M. L. A., Rangari V. K., Guven O., Moura E.
RADIATION PHYSICS AND CHEMISTRY, vol.199, 2022 (SCI-Expanded)

III. **Synthesis and characterization of tetracycline-imprinted membranes: A detailed positron annihilation lifetime spectroscopy investigation**
AKBULUT SÖYLEMEZ M.
JOURNAL OF MOLECULAR RECOGNITION, vol.34, no.8, 2021 (SCI-Expanded)

IV. **Surface modification of magnetic nanoparticles via admicellar polymerization for selective removal of tetracycline from real water samples dagger**
AKBULUT SÖYLEMEZ M., Kemalogullari B. o.
NEW JOURNAL OF CHEMISTRY, vol.45, pp.6415-6423, 2021 (SCI-Expanded)

V. **Radiation induced in-situ synthesis of membranes for removal of 2,4-dichlorophenoxy acetic acid from real water samples**
AKBULUT SÖYLEMEZ M., Guven O.
RADIATION PHYSICS AND CHEMISTRY, vol.171, 2020 (SCI-Expanded)

VI. **A smartphone-based colorimetric PET sensor platform with molecular recognition via thermally initiated RAFT-mediated graft copolymerization**
Kuşçuoğlu C. K., Güner H., Söylemez M., Güven O., Barsbay M.
Sensors and Actuators, B: Chemical, vol.296, 2019 (SCI-Expanded)

VII. **Micromechanical and positron annihilation lifetime study of new cellulose esters with different topological structures**
Gaydarov V., Chen Z., Zamfirova G., Söylemez M., Zhang J., Djourelov N., Zhang J.
Carbohydrate Polymers, vol.219, pp.56-62, 2019 (SCI-Expanded)

VIII. **Preparation and detailed structural characterization of Penicillin G imprinted polymers by PALS and XPS**
Söylemez M., Güven O.
Radiation Physics and Chemistry, vol.159, pp.174-180, 2019 (SCI-Expanded)

IX. **Method for preparing a well-defined molecularly imprinted polymeric system via radiation-induced RAFT polymerization**
Söylemez M., Güven O., BARSBAY M.
European Polymer Journal, vol.103, pp.21-30, 2018 (SCI-Expanded)

X. **Detailed positron annihilation lifetime spectroscopic investigation of atrazine imprinted polymers grafted onto PE/PP non-woven fabrics**
Söylemez M., Güven O.
Journal of Molecular Recognition, vol.31, no.1, 2018 (SCI-Expanded)

XI. **Preparation of well-defined erythromycin imprinted non-woven fabrics via radiation-induced RAFT-mediated grafting**
Soylemez M., BARSBAY M., GUVEN O.
RADIATION PHYSICS AND CHEMISTRY, vol.142, pp.77-81, 2018 (SCI-Expanded)

XII. **Study of the curing process of DGEBA epoxy resin through structural investigation**
Alessi S., Caponetti E., Güven O., Akbulut M., Spadaro G., Spinella A.
Macromolecular Chemistry and Physics, vol.216, no.5, pp.538-546, 2015 (SCI-Expanded)

XIII. **Molecularly imprinted poly(N-vinyl imidazole) based polymers grafted onto nonwoven fabrics for recognition/removal of phloretic acid**
LLORINA RANADA M., Akbulut M., ABAD L., güven O.
RADIATION PHYSICS AND CHEMISTRY, vol.94, pp.93-97, 2014 (SCI-Expanded)

XIV. **Computational Design and Preparation of MIPs for Atrazine Recognition on a Conjugated Polymer-Coated Microtiter Plate**
Lakshmi D., Akbulut M., Ivanova-Mitseva P. K., Whitcombe M. J., Piletska E. V., Karim K., güven O., Piletsky S. A.
INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH, vol.52, no.39, pp.13910-13916, 2013 (SCI-Expanded)

XV. **Effects of irradiated polypropylene compatibilizer on the properties of short carbon fiber reinforced polypropylene composites**
Karsli N. G., AYTAÇ A., Akbulut M., Deniz V., GUVEN O.
RADIATION PHYSICS AND CHEMISTRY, vol.84, pp.74-78, 2013 (SCI-Expanded)

XVI. **Microplates with Adaptive Surfaces**
AKBULUT SÖYLEMEZ M., Lakshmi D., Whitcombe M. J., Piletska E. V., Chianella I., Guven O., Piletsky S. A.
ACS COMBINATORIAL SCIENCE, vol.13, no.6, pp.646-652, 2011 (SCI-Expanded)

Supported Projects

AKBULUT SÖYLEMEZ M., Project Supported by Higher Education Institutions, Yerinde Polimerizasyon Yöntemi ile Hazırlanan Baskılı Membranların Gerçek Su Örneklerinde Herbisit Bağlama Kapasitelerinin İncelenmesi, 2019 - 2022
AKBULUT SÖYLEMEZ M., BARSBAY M., Project Supported by Higher Education Institutions, Moleküler Baskılı Polimer Kullanılarak Model Bileşik Olarak Seçilen Penisilin G için Ultra Duyarlı Algılayıcıların Geliştirilmesi, 2017 - 2019
AKBULUT SÖYLEMEZ M., Project Supported by Higher Education Institutions, Sudan atrazin uzaklaştırmak için moleküler baskılı mikrokürelerin sentezi ve karakterizasyonu, 2017 - 2017
AKBULUT SÖYLEMEZ M., Project Supported by Higher Education Institutions, Gama ışınlaması ile hazırlanan baskılı zarlar ile seçimli atrazin ekstraksiyonu, 2017 - 2017
BARSBAY M., AKBULUT SÖYLEMEZ M., Project Supported by Higher Education Institutions, Radyasyona bağlı RAFT polimerizasyonu yoluyla moleküler baskılanmış polimer sisteminin hazırlanması için bir yöntem, 2015 - 2017
AKBULUT SÖYLEMEZ M., Project Supported by Higher Education Institutions, Poli(N-vinil imidazol) bazlı moleküler baskılı polimerlerin floretik asiti tanıma/uzaklaştırılması için dokumasız kumaşlar üzerine aşılanması, 2016 - 2016
AKBULUT SÖYLEMEZ M., Project Supported by Higher Education Institutions, Hacettepe Üniversitesi Adresli Bilimsel Dergilerin Thomson Reuter ve SCI tarafından kabulü ve devamlılığı için dergilere DOI alt yapısının kazandırılması, 2014 - 2016

Metrics

Publication: 30
Citation (WoS): 115
Citation (Scopus): 110
H-Index (WoS): 7
H-Index (Scopus): 7

Scholarships

Supporting Radiation Synthesis and the Characterization of Nanomaterials for Health Care, Environmental Protection and Clean Energy Applications, Other International Organizations, 2010 - 2010

Non Academic Experience

Cranfield University