

Prof. Sevim İşçi Turutoğlu

Personal Information

Fax Phone: [+90 212 285 8693](tel:+902122858693)

Email: iscisev@itu.edu.tr

Web: <https://avesis.itu.edu.tr/iscisev>

International Researcher IDs

ORCID: 0000-0002-6049-5397

ScopusID: 6602114581

Yoksis Researcher ID: 200015

Education Information

Doctorate, Istanbul Technical University, Fen-Edebiyat Fakültesi, Fizik Mühendisliği Bölümü, Turkey 2002 - 2007

Postgraduate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Fizik Mühendisliği Anabilim Dalı, Turkey 1999 - 2002

Undergraduate, Istanbul University, Faculty Of Science, Department Of Physics, Turkey 1995 - 1999

Foreign Languages

English

Research Areas

Basic Sciences, Physics, Interdisciplinary Physics and Related Science and Technology Areas, Materials Science

Academic Titles / Tasks

Professor, Istanbul Technical University, Fen-Edebiyat, Fizik Mühendisliği, 2020 - Continues

Associate Professor, Istanbul Technical University, Fizik Mühendisliği Bölümü, 2013 - 2020

Assistant Professor, Istanbul Technical University, Fen-Edebiyat Fakültesi, Fizik Mühendisliği Bölümü, 2009 - 2013

Research Assistant, Istanbul Technical University, Fen-Edebiyat Fakültesi, Fizik Mühendisliği Bölümü, 2002 - 2007

Academic and Administrative Experience

Deputy Head of Department, Istanbul Technical University, Fizik Mühendisliği Bölümü, 2009 - 2014

Courses

Polymer Rheology, Postgraduate, 2018 - 2019

Jury Memberships

Doctorate, Nesrin Çelebioğlu, İstanbul Teknik Üniversitesi, June, 2016
Post Graduate, Hacire Uğur, İstanbul Teknik Üniversitesi, June, 2015
Post Graduate, Elbruz Murat Baba, İstanbul Teknik Üniversitesi, May, 2015
Post Graduate, Hilal Özdemir, İstanbul Teknik Üniversitesi, June, 2013

Published journal articles indexed by SCI, SSCI, and AHCI

I. Novel magnetic embolic MRI imageable particles with anticancer drug release for transcatheter arterial embolization and magnetic ablation

Bekaroğlu M. G., Nurili F., Caymaz I., Baş A., Işçi S.

Medical Physics, vol.50, no.4, pp.1990-1998, 2023 (SCI-Expanded)

Supported Projects

İşçi Turutoğlu S., Project Supported by Higher Education Institutions, Kanser Tedavisinde Kullanılan Çok Fonksiyonlu Manyetik Nanoparçacıklara Manyetik Alanların Etkisinin İncelenmesi, 2017 - 2019

İşçi Turutoğlu S., Project Supported by Higher Education Institutions, Nanokompozitlere farklı kil minerallerinin etkisi, 2014 - 2019

İşçi Turutoğlu S., Project Supported by Higher Education Institutions, Intercalation of Macroscopic Vermiculite Particles into Nanoparticles with Anionic Surfactants, 2014 - 2018

İşçi Turutoğlu S., Project Supported by Higher Education Institutions, Vermiküler/Polimer Nanokompozitlerin Hazırlanması ve Karakterizasyonu, 2015 - 2016

İşçi Turutoğlu S., Project Supported by Higher Education Institutions, KILL-POLİMER NANOKOMPOZİTLERİNİN FTIR SPEKTROSKOPİSİ İLE KARAKTERİZASYONU, 2009 - 2014

İşçi Turutoğlu S., Project Supported by Higher Education Institutions, Elektrik Güç Dağıtım Sistemlerinin Güvenilirlik Analizinin Yapılması, 2002 - 2003

Metrics

Publication: 67

Citation (WoS): 347

Citation (Scopus): 364

H-Index (WoS): 11

H-Index (Scopus): 12

Congress and Symposium Activities

Evaluation of magnetic drug delivery agents: nanocrystalline cellulose coated iron oxide particles, Attendee, Turkey, 2016

Polyvinylpyrrolidone Coating of Ironoxide particles as magnetic drug delivery agents, Attendee, United States Of America, 2016

Colloidal Properties and in-Vitro Evaluation of Hydroxyl Ethylene Cellulose Coated Iron Oxide Particles for Targeted Drug Delivery, Attendee, United States Of America, 2016

Intercalation of macroscopic vermiculite particles into nanoparticles with anionic surfactants, Attendee, United States Of America, 2014

Effect of the clay type on the properties of reinforced-PVA nanocomposites, Attendee, United States Of America, 2014

The comparison of sepiolite / hec and montmorillonite / hec nanocomposites, Attendee, Italy, 2013

Preparation and characterization of sepiolite/HEC nanocomposites, Attendee, Turkey, 2012

Preparation and characterization of vermiculite/PVA nanocomposites, Attendee, Turkey, 2012

Preparation and Characterization of clay-polymer nanocomposites, Attendee, Turkey, 2009

Preparation and Characterization of Mt/PVA and PMt/PVA Nanocomposites, Attendee, Turkey, 2008

The Effect of Polyurethane on NaMt and ONaMt Dispersions, Attendee, Turkey, 2008

Doğal Ve Sentetik Hektoritten Poliüretan Nanokompozit Hazırlanması, Attendee, Turkey, 2007

Bir Na-montmorillonit dispersiyonunun reolojik, elektrokinetik özelliklerine HDTABr yüzeyaktifinin etkisi saptanarak HDTABr/NaMt organokilinin sentezi ve yapısal karakterizasyonu, Attendee, Turkey, 2007

Improving the Properties of Industrial Polyurethane with Nanoclay, Hectorite, Attendee, Italy, 2007

Clay-Polymer Nanocomposites, Attendee, Turkey, 2006

Characterization of Nanocomposites Synthesized by Two Different Types Of Organoclays, Attendee, Turkey, 2006

The Rheological and Electrokinetical Characterization Of Odtabr/MMt Organoclay, Attendee, Turkey, 2006

Preparation and characterization of polyurethane-clay composites), Attendee, Turkey, 2005

Rheologic, electrokinetic and spectral characterizations of ODTABr/NaE/PP composites, Attendee, Turkey, 2005

Modification of rheology of the bentonitic clay using a cationic, Attendee, Brazil, 2004

1. Investigation of rheology and electrokinetic properties of hexadecylamine/montmorillonite organoclay, Attendee, Turkey, 2004

Sepiolite supported-zirconia silver catalyst for soot combustion, Attendee, Poland, 2004

The study of the interactions between the surfactant modified montmorillonite and PEG8000 polymer, Attendee, Turkey, 2004

The Effect of sodium dodecyl sulfate on the flow and electrokinetic properties of bentonite dispersions,, Attendee, Italy, 2003

Bentonit dispersiyonlarının reolojik özellikleri üzerine katyonik bir yüzey aktifin adsorpsiyonunun etkileri, Attendee, Turkey, 2003

Cationic Surfactant on the flocculation of the Na-Activated Bentonite Dispersion, Attendee, Italy, 2003

Influences of a Cationic Surfactant on Rheological and Electokinetic Properties of Bentonite Dispersions, Attendee, Turkey, 2003

The Effect of PDDA Polymer on the Flow Properties of Na-activated Bentonite Dispersions, Attendee, Turkey, 2003

Killerin PVA etkisinde reolojik özelliklerinin değişimi, Attendee, Turkey, 2003

Effect of cationic surfactant adsorption on the rheological properties of bentonite dispersions, Attendee, Turkey, 2003

Bentonitik kilin reolojik özellikleri üzerine non-iyonik polimerin molekül ağırlığının etkisi, Attendee, Turkey, 2003

Influence of cationic polymers on the rheological behavior of bentonite clay suspensions, Attendee, Turkey, 2003

Hektorit-su sistemlerinin akış özellikleri üzerine PEG polimerinin etkisi, Attendee, Turkey, 2003

Hyamine 1622 bentonit ilgisinin adsorpsiyon, reoloji ve zeta potansiyel verilerine göre değerlendirilmesi, Attendee, Turkey, 2003

Effect of the adsorption of a cationic surfactant cetylpyridinium bromide on the flow behaviour of the bentonite dispersion, Attendee, Turkey, 2002

Bentonit-Su Sistemleri ile İyonik Yüzey Aktiflerin Etkileşimi, Attendee, Turkey, 2001

Non Academic Experience

İstanbul Teknik Üniversitesi

Katholieke University of Leuven

İstanbul Teknik Üniversitesi