

Prof. İbrahim Ersin Serhatlı

Personal Information

Fax Phone: [+90 212 285 6386](tel:+902122856386)

Email: serhatli@itu.edu.tr

Address: İTÜ FEN ED FAK KİMYA BÖL MASLAK

International Researcher IDs

ORCID: 0000-0001-8048-3978

ScopusID: 6602521512

Yoksis Researcher ID: 8256

Education Information

Doctorate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Kimya Anabilim Dalı, Turkey 1990 - 1994

Postgraduate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Kimya Anabilim Dalı, Turkey 1988 - 1990

Undergraduate, Istanbul Technical University, Kimya-Metalurji Fakültesi, Turkey 1982 - 1987

Research Areas

Basic Sciences, Chemistry

Academic Titles / Tasks

Professor, Istanbul Technical University, Fen-Edebiyat, Kimya, 2002 - Continues

Academic and Administrative Experience

İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Polimer Bilim Ve Teknolojisi Anabilim Dalı, 2009 - 2016

Courses

Introduction to polymer Chemistry, Undergraduate, 2016 - 2017, 2015 - 2016, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006, 2004 - 2005

Synthesis and Characterization of Macromolecules, Postgraduate, 2016 - 2017, 2015 - 2016

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Selective Laser Sintering Manufacturing and Characterization of Lightweight PA 12 Polymer Composites with Different Hollow Microsphere Additives**
Kisasoz B. O., Serhatlı İ. E., Bulduk M. E.
JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE, vol.31, no.5, pp.4049-4059, 2022 (SCI-Expanded)
- II. **Synthesis and characterization of phosphorus-based flame retardant containing rigid polyurethane**

foam

Caliskan E., Çakır Çanak T., Karahasanoglu M., Serhatlı İ. E.

JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, vol.147, no.6, pp.4119-4129, 2022 (SCI-Expanded)

- III. **Effects of copper fillers on mechanical and electrical properties of selective laser sintered PA 12-Cu composites**
Ozbay B., BEKEM A., Serhatlı İ. E., ÖZTÜRK S., Bulduk M. E.
MATERIALS TECHNOLOGY, vol.37, no.10, pp.1541-1553, 2022 (SCI-Expanded)
- IV. **Processing and Characterization of Hollow Glass-Filled Polyamide 12 Composites by Selective Laser Sintering Method**
Ozbay B., Serhatlı İ. E.
MATERIALS TECHNOLOGY, vol.37, no.4, pp.213-223, 2022 (SCI-Expanded)
- V. **Synthesis and characterization of boron-acrylate/Santa Barbara Amorphous-15 polymer composite**
Aliyeva N., Çakır Çanak T., Serhatlı İ. E.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.138, no.20, 2021 (SCI-Expanded)
- VI. **Effect of Reactive Extrusion Process Parameters on Thermal, Mechanical, and Physical Properties of Recycled Polyamide-6: Comparison of Two Novel Chain Extenders**
Ozmen S. C., Özkoç G., Serhatlı İ. E.
JOURNAL OF MACROMOLECULAR SCIENCE PART B-PHYSICS, vol.60, no.5, pp.350-367, 2021 (SCI-Expanded)
- VII. **Effect of boron methacrylate monomer on the thermal and pressure-sensitive adhesive properties of 2-EHA-based copolymer latexes synthesized via mini-emulsion polymerization procedure**
Temelkaya Bilgin E., Akarsu Dulgar C., Çakır Çanak T., Serhatlı İ. E.
POLYMER BULLETIN, vol.78, no.1, pp.133-145, 2021 (SCI-Expanded)
- VIII. **Photostabilizers performance on the surface analysis of green composites**
Sonmez H. E., Bodur M. S., Baysan A. A., Bakkal M., Serhatlı İ. E.
POLYMERS & POLYMER COMPOSITES, vol.29, no.1, pp.57-64, 2021 (SCI-Expanded)
- IX. **Incorporation of vinyl silane and epoxy silane oligomer into 2-EHA-based polyacrylate latexes via mini-emulsion polymerization and investigation of pressure-sensitive adhesive properties on polar and nonpolar surfaces**
Bilgin E. T., Dulgar C. A., Serhatlı İ. E.
POLYMER BULLETIN, vol.76, pp.5773-5789, 2019 (SCI-Expanded)
- X. **Effect of boron acrylate monomer content and multi-acrylate functional boron methacrylate on adhesive performance for water-borne acrylic polymers**
Dulgar C. A., Çakır Çanak T., Serhatlı İ. E.
POLYMER BULLETIN, vol.76, no.5, pp.2499-2517, 2019 (SCI-Expanded)
- XI. **Thermal, mechanical and physical properties of chain extended recycled polyamide 6 via reactive extrusion: Effect of chain extender types**
Ozmen S. C., ÖZKOÇ G., Serhatlı İ. E.
POLYMER DEGRADATION AND STABILITY, vol.162, pp.76-84, 2019 (SCI-Expanded)
- XII. **Synthesis of tetrakis bromine terminated phthalocyanine and its methyl methacrylate polymers via ATRP**
Çakır Çanak T., Yesildag D., Nar I., Hamuryudan E., Serhatlı İ. E.
TURKISH JOURNAL OF CHEMISTRY, vol.43, no.3, pp.911-925, 2019 (SCI-Expanded)
- XIII. **Effect of acrylonitrile-butadiene-styrene/polyethylene terephthalate blends on dimensional stability, morphological, physical and mechanical properties and after aging at elevated temperature**
Oral M. A., Ersoy O. G., Serhatlı E. I.
JOURNAL OF PLASTIC FILM & SHEETING, vol.34, no.4, pp.394-417, 2018 (SCI-Expanded)
- XIV. **Synthesis of poly(BA-co-MMA) dispersions having AA/MAA/AAm/MAAm comonomers and the comparison of their effect on adhesive performance**
Dulgar C. A., Serhatlı İ. E.
POLYMER BULLETIN, vol.75, no.2, pp.877-890, 2018 (SCI-Expanded)
- XV. **A novel polystyrene with non-symmetrical zinc phthalocyanines as terminal group**

SUTCULER Y. A., Sevim A. M., Canak T., Serhatlı İ. E., Gül A.

DYES AND PIGMENTS, vol.144, pp.58-68, 2017 (SCI-Expanded)

XVI. **Preparation and characterization of chalcone functional urethane acrylates for coating applications**

GULER B., Önen H. A., KARAHASANOGLU M., Serhatlı E., Canak T.

PROGRESS IN ORGANIC COATINGS, vol.109, pp.152-159, 2017 (SCI-Expanded)

Supported Projects

Serhatlı İ. E., Temelkaya Bilgin E., Project Supported by Higher Education Institutions, Basınca Duyarlı Yapıştırıcı Uygulamalarında Kullanılmak Üzere Su Bazlı Akrilik Polimerlerin Mini Emülsiyon Polimerizasyonu ile Sentezi ve Karakterizasyonu, 2017 - 2019

Serhatlı İ. E., Gürsel H. E., Project Supported by Higher Education Institutions, Fosfin Oksit İçeren Yanma Geciktirici Poliüretan Sentezi, 2017 - 2018

Serhatlı İ. E., Project Supported by Higher Education Institutions, Karboran İçeren Polimerlerin ATRP ile sentezi, 2016 - 2018

Serhatlı İ. E., Project Supported by Higher Education Institutions, High-Performance Organic-Inorganic Polymer Networks, 2015 - 2018

Serhatlı İ. E., Project Supported by Higher Education Institutions, Koagüle Poliüretan Yüzeylerin UV ile Üretan Akrilat kaplanması, 2007 - 2018

Serhatlı İ. E., Project Supported by Higher Education Institutions, Şeffaf ve pigmentli ahşap kaplama sistemlerinde, farklı su bazlı akrilik kopolimer emülsiyonlarının performanslarının incelenmesi, 2016 - 2016

Serhatlı İ. E., Project Supported by Higher Education Institutions, Bor Akrilat Polimerlerin sentezi, 2014 - 2015

Serhatlı İ. E., Project Supported by Higher Education Institutions, termoplastik matrisli kompozit malzemeler, 2014 - 2015

Serhatlı İ. E., Project Supported by Higher Education Institutions, Ftalosiyanın İçeren Polimerlerin Sentezi, 2014 - 2015

Serhatlı İ. E., Project Supported by Higher Education Institutions, Organik İnorganik Hibrit Malzemelerin Sentez ve Karakterizasyonu, 2010 - 2014

Serhatlı İ. E., Project Supported by Higher Education Institutions, Bor Akrilat Sentezi, 2013 - 2013

Serhatlı İ. E., Project Supported by Higher Education Institutions, Spiropiran Bazlı Fotokromik Polimerik Kaplamaların Sentezi, 2013 - 2013

Serhatlı İ. E., Project Supported by Higher Education Institutions, Fosfin Oksit ve Sülfon İçeren Poliester ve Poliüretan Polimerlerin sentezi ve Karakterizasyonu, 2010 - 2013

Serhatlı İ. E., Project Supported by Higher Education Institutions, Biyobozunur Poliüretan Filmlerin Hazırlanması, 2011 - 2012

Serhatlı İ. E., Project Supported by Higher Education Institutions, Poliester ve Üretan akrilatların UV ile Kağıt Yüzeylere Kaplanması ve Film Özelliklerinin İncelenmesi, 2011 - 2012

Serhatlı İ. E., Project Supported by Higher Education Institutions, Hibrit Epoksi Reçinelerle Yüzey Kaplama, 2010 - 2012

Serhatlı İ. E., Project Supported by Higher Education Institutions, ÇİFT VİDALI KAUÇUK HAMUR ÜRETEBİLİRLİĞİNİN VE SICAKLIĞIN SİNALİZASYON PROSESİNE OLAN ETKİLERİ, 2010 - 2012

Serhatlı İ. E., Project Supported by Higher Education Institutions, Yüksek Performans Poliüretan Kaplamanın Hazırlanması, 2008 - 2012

Serhatlı İ. E., Project Supported by Higher Education Institutions, Flor Grubu İçeren Poliüretan Kaplama Malzemelerinin Hazırlanması, 2008 - 2012

Serhatlı İ. E., Project Supported by Higher Education Institutions, Flor Uçgrubu İçeren Polimerlerin Sentezi, 2008 - 2012

Serhatlı İ. E., Project Supported by Higher Education Institutions, Polimer Dolgu Ara Yüzeyi Arasındaki Etkileşimin Mekanik Özelliklere Etkileri, 2006 - 2007

Serhatlı İ. E., Project Supported by Higher Education Institutions, Poliüretan Koagüle Zeminlerde Üretan Akrilat Tipi Oligomerlerin UV Radyasyonla Kaplanması ve Özelliklerinin İncelenmesi, 2006 - 2007

Serhatlı İ. E., Project Supported by Higher Education Institutions, Sıvı Kristal İçeren Maleimid Kopolimerlerin FRP ve ATRP ile Sentezi, 2006 - 2006

Serhatlı İ. E., Project Supported by Higher Education Institutions, Trifenil Fosfin Oksit İçeren Polimerlerin ATRP ile Sentezi, 2005 - 2006

Serhatlı İ. E., Project Supported by Higher Education Institutions, Akrlat Tipi Monomerlerin Kopolimerizasyonu, 2004 - 2006

Serhatlı İ. E., Project Supported by Higher Education Institutions, Yan Zincir ve Sıvı Kristal Polisilan Sentezi ve Karakterizasyonu, 2004 - 2006

Serhatlı İ. E., Project Supported by Higher Education Institutions, Maleimid Kopolimerlerinin Sentezi, 2004 - 2006

Serhatlı İ. E., Project Supported by Higher Education Institutions, Sıvı Kristal Amorf Blok Kopolimlerin Atom Transfer Radikal Polimerizasyon Yöntemiyle Hazırlanması, 2001 - 2006

Serhatlı İ. E., Project Supported by Higher Education Institutions, Maleimid Kopolimerlerinin Sentezinde Yeni Yaklaşımlar, 2004 - 2005

Serhatlı İ. E., Project Supported by Higher Education Institutions, Buzdolabının Polimerik Yalıtımında desorpsiyon ve Difüzyonunun iç Basınca Etkisi, 2003 - 2004

Serhatlı İ. E., Project Supported by Higher Education Institutions, Lineer Olmayan Optik ve Fotoraktif Polimerler, 1999 - 2003

Metrics

Publication: 97

Citation (WoS): 632

Citation (Scopus): 654

H-Index (WoS): 15

H-Index (Scopus): 14

Scholarships

ARAŞTIRMA BURSUSU, Official Institutions of Foreign Countries, 1997 - Continues

ARAŞTIRMA, Ministry of Education, 1993 - Continues