

Assoc. Prof. Muhammet Übeydullah Kahveci

Personal Information

Office Phone: [+90 212 285 7271](tel:+902122857271)

Fax Phone: [+90 212 285 7271](tel:+902122857271)

Email: kahvecimuh@itu.edu.tr

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

Address: İstanbul Teknik Üniversitesi, Fen-Edebiyat Fakültesi, Kimya Bölümü Maslak 34467 İstanbul

International Researcher IDs

ORCID: 0000-0001-7287-6181

ScopusID: 16067129000

Yoksis Researcher ID: 199965

Education Information

Doctorate, Istanbul Technical University, Fen-Bilimleri Enstitüsü, Kimya, Turkey 2007 - 2012

Undergraduate Double Major, Istanbul Technical University, Fen-Edebiyat Fakültesi, Moleküler Biyoloji Ve Genetik, Turkey 2003 - 2008

Postgraduate, Istanbul Technical University, Fen-Bilimleri Enstitüsü, Kimya, Turkey 2005 - 2007

Undergraduate, Istanbul Technical University, Fen-Edebiyat Fakültesi, Kimya, Turkey 2002 - 2005

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, New Photoinitiating Systems for Cationic Polymerization of Vinyl Ethers, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Kimya, 2012

Postgraduate, A New Method For Photoinitiated Cationic Polymerization of Vinyl Ethers, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Kimya, 2007

Research Areas

Chemistry, Physical Chemistry, New Technologies in Polymer Chemistry, Polymeric Materials, Medical Applications of Polymers, Natural Sciences

Academic Titles / Tasks

Associate Professor, Istanbul Technical University, Fen-Edebiyat, Kimya, 2018 - Continues

Associate Professor, Yildiz Technical University, Kimya-Metalürji Fak., Biyomühendislik, 2016 - 2018

Assistant Professor, Yildiz Technical University, Kimya-Metalürji Fak., Biyomühendislik, 2013 - 2016

Expert, Yildiz Technical University, Kimya-Metalürji Fak., Biyomühendislik, 2012 - 2013

Courses

General Chemistry, Undergraduate, 2017 - 2018
Polymer Technologies, Undergraduate, 2017 - 2018
Organic Chemistry for Engineers, Undergraduate, 2016 - 2017
Polimerik İlaç Salım Sistemleri, Postgraduate, 2017 - 2018
Makromoleküler Malzemelerin Biyomühendisliği, Doctorate, 2016 - 2017

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Surface modification of zeolite and kaolin with 3-(aminopropyl) triethoxysilane and 3-(trimethoxysilyl) propyl methacrylate**
Özel C., Akat C., Alosmanov R., Kahveci M. Ü., Emir C., Yücel S.
Bulgarian Chemical Communications, vol.53, no.4, pp.464-470, 2021 (SCI-Expanded)
- II. **Porphyrin-based covalent organic polymer by inverse electron demand Diels-Alder reaction**
Cetinkaya A., Sadak A. E., AYHAN M. M., ZORLU Y., Kahveci M. Ü.
EUROPEAN POLYMER JOURNAL, vol.157, 2021 (SCI-Expanded)
- III. **Light-Induced Inverse Electron Demand Diels-Alder Reaction as an Approach for Grafting Macromolecules to Glass Surfaces**
Ozbek N., Kahveci E. L. S., Kahveci M. Ü.
ACS APPLIED POLYMER MATERIALS, vol.3, no.8, pp.3721-3732, 2021 (SCI-Expanded)
- IV. **Fast and efficient preparation of three-arm star block copolymers via tetrazine ligation**
Bakirdogen G., Kahveci E. L. S., Kahveci M. Ü.
EUROPEAN POLYMER JOURNAL, vol.140, 2020 (SCI-Expanded)
- V. **Direct synthesis of tetrazine functionalities on polymer backbones**
Kara S. S., Ates M. Y., Deveci G., Cetinkaya A., Kahveci M. Ü.
JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY, vol.57, no.6, pp.673-680, 2019 (SCI-Expanded)
- VI. **One-pot one-step synthesis of a photo-cleavable cross-linker via Passerini reaction for fabrication of responsive polymeric particles**
Deveci G., Kahveci M. Ü.
POLYMER BULLETIN, vol.76, no.3, pp.1471-1487, 2019 (SCI-Expanded)
- VII. **Homodimeric Protein-Polymer Conjugates via the Tetrazine-trans-Cyclooctene Ligation**
Lorenzo M. M., Decker C. G., Kahveci M. Ü., Paluck S. J., Maynard H. D.
MACROMOLECULES, vol.49, no.1, pp.30-37, 2016 (SCI-Expanded)
- VIII. **Photoinduced in situ formation of clickable PEG hydrogels and their antibody conjugation**
Kahveci M. Ü., CIFTCI M., EVRAN S., TİMUR S., Yagci Y.
DESIGNED MONOMERS AND POLYMERS, vol.18, no.2, pp.129-136, 2015 (SCI-Expanded)
- IX. **Graft Copolymers with Complex Polyether Structures: Poly(ethylene oxide)- graft Poly(isobutyl vinyl ether) by Combination of Living Anionic and Photoinduced Cationic Graft Polymerization**
Kahveci M. Ü., MANGOLD C., FREY H., Yagci Y.
MACROMOLECULAR CHEMISTRY AND PHYSICS, vol.215, no.6, pp.566-571, 2014 (SCI-Expanded)
- X. **Influence of type of zinc salts on photoinitiated living cationic polymerization of vinyl ethers**
Kahveci M. Ü., OYTUN F., Yagci Y.
POLYMER, vol.54, no.18, pp.4798-4801, 2013 (SCI-Expanded)
- XI. **Synthesis of polysulfone-b-polystyrene block copolymers by mechanistic transformation from condensation polymerization to free radical polymerization**
DIZMAN C., Kahveci M. Ü., Yagci Y.

POLYMER BULLETIN, vol.70, no.7, pp.2097-2109, 2013 (SCI-Expanded)

- XII. **Sugar overcomes oxygen inhibition in photoinitiated free radical polymerization**
OYTUN F., Kahveci M. Ü., Yagci Y.
JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY, vol.51, no.8, pp.1685-1689, 2013 (SCI-Expanded)
- XIII. **Synthesis of polybenzoxazine precursors using thiols: Simultaneous thiol-ene and ring-opening reactions**
BEYAZKILIC Z., Kahveci M. Ü., AYDOGAN B., Kışkan B., Yagci Y.
JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY, vol.50, no.19, pp.4029-4036, 2012 (SCI-Expanded)
- XIV. **Synthesis of Block Copolymers by Combination of Atom Transfer Radical Polymerization and Visible Light-Induced Free Radical Promoted Cationic Polymerization**
Kahveci M. Ü., ACIK G., Yagci Y.
MACROMOLECULAR RAPID COMMUNICATIONS, vol.33, no.4, pp.309-313, 2012 (SCI-Expanded)
- XV. **A simple route to synthesis of branched and cross-linked polymers with clickable moieties by photopolymerization**
Ciftci M., Kahveci M. Ü., Yagci Y., ALLONAS X., LEY C., TAR H.
CHEMICAL COMMUNICATIONS, vol.48, no.82, pp.10252-10254, 2012 (SCI-Expanded)
- XVI. **Polymer grafting onto magnetite nanoparticles by "click" reaction**
AMICI J., Kahveci M. Ü., ALLIA P., TIBERTO P., Yagci Y., SANGERMANO M.
JOURNAL OF MATERIALS SCIENCE, vol.47, no.1, pp.412-419, 2012 (SCI-Expanded)
- XVII. **A One Pot, One Step Method for the Preparation of Clickable Hydrogels by Photoinitiated Polymerization**
YILMAZ G., Kahveci M. Ü., Yagci Y.
MACROMOLECULAR RAPID COMMUNICATIONS, vol.32, no.23, pp.1906-1909, 2011 (SCI-Expanded)
- XVIII. **Photoinitiated Cationic Polymerization of Vinyl Ethers Using Substituted Vinyl Halides in the Presence of Metallic Zinc**
Kahveci M. Ü., Yagci Y.
MACROMOLECULES, vol.44, no.14, pp.5569-5572, 2011 (SCI-Expanded)
- XIX. **Polyacrylamide Cryogels by Photoinitiated Free Radical Polymerization**
Kahveci M. Ü., BEYAZKILIC Z., Yagci Y.
JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY, vol.48, no.22, pp.4989-4994, 2010 (SCI-Expanded)
- XX. **Synthesis of Block Copolymers by Combination of Atom Transfer Radical Polymerization and Visible Light Radical Photopolymerization Methods**
ACIK G., Kahveci M. Ü., Yagci Y.
MACROMOLECULES, vol.43, no.21, pp.9198-9201, 2010 (SCI-Expanded)
- XXI. **In situ synthesis of biomolecule encapsulated gold-cross-linked poly(ethylene glycol) nanocomposite as biosensing platform: A model study**
Odaci D., Kahveci M. Ü., SAHKULUBEY E. L., Ozdemir C., Uyar T., TİMUR S., Yagci Y.
BIOELECTROCHEMISTRY, vol.79, no.2, pp.211-217, 2010 (SCI-Expanded)
- XXII. **Antibacterial Acrylamide Hydrogels Containing Silver Nanoparticles by Simultaneous Photoinduced Free Radical Polymerization and Electron Transfer Processes**
UYGUN M., Kahveci M. Ü., Odaci D., TİMUR S., Yagci Y.
MACROMOLECULAR CHEMISTRY AND PHYSICS, vol.210, no.21, pp.1867-1875, 2009 (SCI-Expanded)
- XXIII. **Photopolymerization of Vinyl Ether Networks Using an Iodonium Initiator-The Role of Photosensitizers**
COOK W. D., Chen S., CHEN F., Kahveci M. Ü., Yagci Y.
JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY, vol.47, no.20, pp.5474-5487, 2009 (SCI-Expanded)
- XXIV. **Photoinitiated Cationic Polymerization of Vinyl Ethers Using Substituted Vinyl Halides**
Kahveci M. Ü., UYGUN M., TASDELEN M. A., SCHNABEL W., COOK W. D., Yagci Y.

MACROMOLECULES, vol.42, no.13, pp.4443-4448, 2009 (SCI-Expanded)

- XXV. **Synthesis of Poly(isobutyl vinyl ether)-graft-Poly(ethylene oxide) Co-polymer with Pendant Methacrylate Functionality and Its Photo-curing Behavior**

DEVİRİM E. S., Kahveci M. Ü., TASDELEN M. A., ITO K., Yagci Y.

DESIGNED MONOMERS AND POLYMERS, vol.12, no.3, pp.265-272, 2009 (SCI-Expanded)

- XXVI. **Photoinitiated cationic polymerization of mono and divinyl ethers in aqueous medium using ytterbium triflate as lewis acid**

Kahveci M. Ü., TASDELEN M. A., COOK W. D., Yagci Y.

MACROMOLECULAR CHEMISTRY AND PHYSICS, vol.209, no.18, pp.1881-1886, 2008 (SCI-Expanded)

- XXVII. **Photo-induced cross-linking of divinyl ethers by using diphenyliodonium salts with highly nucleophilic counter anions in the presence of zinc halides**

Kahveci M. Ü., TASDELEN M. A., Yagci Y.

MACROMOLECULAR RAPID COMMUNICATIONS, vol.29, no.3, pp.202-206, 2008 (SCI-Expanded)

Metrics

Publication: 53

Citation (WoS): 817

Citation (Scopus): 832

H-Index (WoS): 16

H-Index (Scopus): 16

Scholarships

2219 - Yurt Dışı Doktora Sonrası Araştırma Burs Programı, TÜBİTAK, 2013 - Continues

2231 TÜBİTAK-Lindau Bilimsel Etkinliklere Katılma Desteg'i Programı, TÜBİTAK, 2013 - Continues

2211-A Genel Yurt İçi Doktora Burs Programı, TÜBİTAK, 2007 - Continues

2210-A Genel Yurt İçi Yüksek Lisans Burs Programı, TÜBİTAK, 2005 - Continues

Yurt İçi Lisans Burs Programı, TÜBİTAK, 2002 - Continues

Non Academic Experience

İdiatek Biyomühendislik ve İleri Tıbbi Teknolojiler Sanayi ve Ticaret Limited Şirketi

Monash Üniversitesi (Avustralya)