

## 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](mailto:kahvecimuh@itu.edu.tr)

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

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

### Education Information

Doctorate, İstanbul Teknik Üniversitesi, Fen-Bilimleri Enstitüsü, Kimya, Turkey 2007 - 2012

Undergraduate Double Major, İstanbul Teknik Üniversitesi, Fen-Edebiyat Fakültesi, Moleküler Biyoloji Ve Genetik, Turkey 2003 - 2008

Postgraduate, İstanbul Teknik Üniversitesi, Fen-Bilimleri Enstitüsü, Kimya, Turkey 2005 - 2007

Undergraduate, İstanbul Teknik Üniversitesi, 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, Yıldız Teknik Üniversitesi, Kimya-Metalürji Fak., Biyomühendislik, 2016 - 2018

Assistant Professor, Yıldız Teknik Üniversitesi, Kimya-Metalürji Fak., Biyomühendislik, 2013 - 2016

Expert, Yıldız Teknik Üniversitesi, Kimya-Metalürji Fak., Biyomühendislik, 2012 - 2013

Research Assistant, Yıldız Teknik Üniversitesi, Kimya-Metalürji Fak., Biyomühendislik, 2011 - 2012

### Courses

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

## Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- 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 (Journal Indexed in 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 (Journal Indexed in SCI)
- 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 (Journal Indexed in SCI)
- 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 (Journal Indexed in SCI)
- 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 (Journal Indexed in SCI)
- 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 (Journal Indexed in SCI)
- 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 (Journal Indexed in SCI)
- 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 (Journal Indexed in SCI)
- 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 (Journal Indexed in SCI)
- 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 (Journal Indexed in SCI)
- 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 (Journal Indexed in SCI)
- 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 (Journal Indexed in SCI)

Indexed in SCI)

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

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

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

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 (Journal Indexed in SCI)

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 (Journal Indexed in SCI)

## Citations

Total Citations (WOS):812

h-index (WOS):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 İc,i 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