

## Prof. İREM EREL GÖKTEPE

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: A-4770-2014

ScopusID: 610030

Yoksis Researcher ID: 109862

### Education Information

Doctorate, Stevens Institute of Technology, School Of Engineering And Science, Chemistry, United States Of America 2005 - 2009

Postgraduate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Polimer Bilim Ve Teknolojisi Anabilim Dalı, Turkey 1999 - 2001

Undergraduate, Istanbul Technical University, Fen-Edebiyat Fakültesi, Kimya Bölümü, Turkey 1995 - 1999

### Foreign Languages

English, C1 Advanced

### Dissertations

Doctorate, pH-Responsive Functional Polymer Multilayers Based on Hydrogen Bonding, Stevens Institute of Technology, 2009

Postgraduate, Synthesis of block copolymers by combination of photoinduced and atom transfer radical polymerization routes, İstanbul Teknik Üniversitesi, Polimer Bilim Ve Teknolojisi Anabilim Dalı, 2001

### Research Areas

Chemistry, Physical Chemistry, Interface Chemistry, Polymeric Films, Polymeric Complexes, Medical Applications of Polymers, Natural Sciences

### Academic Titles / Tasks

Associate Professor, Middle East Technical University, Faculty of Arts and Sciences, Department of Chemistry, 2017 - Continues

Assistant Professor, Middle East Technical University, Faculty of Arts and Sciences, Department of Chemistry, 2011 -

2017

Expert, Koc University, Faculty Of Science, Department Of Chemistry, 2009 - 2011

Research Assistant, Stevens Institute of Technology, Charles V. Schaefer, Jr. School Of Engineering And Science, Chemistry, Chemical Biology And Biomedical Engineering, 2005 - 2009

Research Assistant, Istanbul Technical University, Fen Bilimleri Enstitüsü, Polimer Bilim Ve Teknolojisi Anabilim Dalı, 1999 - 2001

## Courses

Polymer Chemistry II, Undergraduate, 2020 - 2021, 2019 - 2020

Polymer Chemistry, Postgraduate, 2019 - 2020, 2017 - 2018, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013

GENERAL CHEMISTRY II, Undergraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011

General Chemistry I, Undergraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012

Advanced Structure Property Relationship in Polymers, Postgraduate, 2013 - 2014, 2012 - 2013

## Advising Theses

EREL GÖKTEPE İ., PH and temperature responsive multiple drug release from layer-by-layer modified microparticles, Postgraduate, E.UĞUR(Student), 2022

EREL GÖKTEPE İ., Synthesis and self assembly of poly(2-isopropyl-2-oxazoline)-b-poly(2-phenyl-2-oxazoline)-b-poly(2-isopropyl-2-oxazoline), Postgraduate, Ç.TURAN(Student), 2022

EREL GÖKTEPE İ., Preparation of multilayer capsules containing dodecahydro-closo-dodecaborate loaded polymer micelles, Postgraduate, U.AYDEMİR(Student), 2021

Erel Göktepe İ., Banerjee S., A comparison of surface and biological properties of chitosan/tannic acid and chitosan/poly(acrylic acid) multilayers, Postgraduate, N.SARAÇOĞULLARI(Student), 2019

Erel Göktepe İ., Banerjee S., A comparison on protein, bacterial anti-adhesive and anti-bacterial properties of zwitterionic block copolymer micelle containing ultra-thin films of varying compositions, Postgraduate, S.ULUSAN(Student), 2019

EREL GÖKTEPE İ., Synthesis, aqueous solution behavior and layer-by-layer self-assembly of poly(2-alkyl-2-oxazoline)s, Doctorate, E.ÇAĞLI(Student), 2019

EREL GÖKTEPE İ., Effect of film deposition conditions on the properties of multilayers of poly[2-(dimethylamino)ethyl methacrylate-b-poly(2(diethylamino)ethyl methacrylate)] micelles and poly(sodium 4-styrenesulfonate), Postgraduate, D.GÜNDOĞDU(Student), 2017

Erel Göktepe İ., Banerjee S., Hydrogen-bonded layer-by-layer films of poly(d,l-lactic-co-glycolic acid)-b-poly(ethylene glycol) polymersomes and tannic acid, Postgraduate, G.ÇALIŞ(Student), 2017

Erel Göktepe İ., Banerjee S., Preparation of anti-adhesive and antibacterial surfaces using polymers, Doctorate, B.ONAT(Student), 2017

EREL GÖKTEPE İ., Layer-by-layer deposition of tannic acid and poly(2isopropyl-2-oxazoline) onto iron oxide nanoparticles, Postgraduate, M.AKBAR(Student), 2017

EREL GÖKTEPE İ., Multilayers of block copolymer micelles with cores exhibiting upper critical solution temperature, Postgraduate, C.ÜSTOĞLU(Student), 2016

EREL GÖKTEPE İ., Stimuli-responsive release of doxorubicin from layer-by-layer films of poly(2-isopropyl-2-oxazoline) and tannic acid, Postgraduate, M.HAKTANIYAN(Student), 2016

Erel Göktepe İ., Banerjee S., Effects of 15-lipoxygenase-1 on the angiogenic properties of colorectal cancer cell line SW480, Postgraduate, C.YENER(Student), 2016

Erel Göktepe İ., Ertaş G., Use of gold nanoparticle containing poly (allylamine hydrochloride)/ poly (acrylic acid) multilayer films as sers substrates, Postgraduate, B.KÖLEMEN(Student), 2015

Erel Göktepe İ., Hasırcı N., Layer by layer films for biomedical applications, Postgraduate, Z.GÜNDOĞAN(Student), 2015

Erel Göktepe İ., Bayram G., Piezoelectric properties of polyelectrolyte multilayer films, Postgraduate, Ö.SEVER(Student),

2015

EREL GÖKTEPE İ., Zirconium oxychloride octahydrate containing hydrogenbonded polymer multilayer films, Postgraduate, E.BAĞ(Student), 2014

EREL GÖKTEPE İ., Preparation and characterization of hydrogen-bonded layer-by-layer polymer films containing magnetic nanoparticles, Postgraduate, M.ALYAAN(Student), 2014

## **Jury Memberships**

Doctorate, Doctorate, Orta Doğu Teknik Üniversitesi, September, 2020

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Orta Doğu Teknik Üniversitesi, January, 2020

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Orta Doğu Teknik Üniversitesi, December, 2019

Administrative Staff Examination, Administrative Staff Examination, Orta Doğu Teknik Üniversitesi, November, 2019

Doctorate, Doctorate, Orta Doğu Teknik Üniversitesi, September, 2019

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Orta Doğu Teknik Üniversitesi, May, 2019

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Orta Doğu Teknik Üniversitesi, May, 2019

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Orta Doğu Teknik Üniversitesi, May, 2019

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Orta Doğu Teknik Üniversitesi, May, 2019

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Orta Doğu Teknik Üniversitesi, December, 2018

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Orta Doğu Teknik Üniversitesi, December, 2018

Doctoral Examination, Doctoral Examination, Orta Doğu Teknik Üniversitesi, November, 2018

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Orta Doğu Teknik Üniversitesi, November, 2018

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Orta Doğu Teknik Üniversitesi, June, 2018

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Orta Doğu Teknik Üniversitesi, May, 2018

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Orta Doğu Teknik Üniversitesi, May, 2018

Doctoral Examination, Doctoral Examination, Orta Doğu Teknik Üniversitesi, May, 2018

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Orta Doğu Teknik Üniversitesi, January, 2018

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Orta Doğu Teknik Üniversitesi, November, 2017

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Orta Doğu Teknik Üniversitesi, November, 2017

Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Eskişehir Osmangazi Üniversitesi, September, 2017

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Orta Doğu Teknik Üniversitesi, June, 2017

Doctoral Examination, Doctoral Examination, Orta Doğu Teknik Üniversitesi, May, 2017

Doctoral Examination, Doctoral Examination, Orta Doğu Teknik Üniversitesi, November, 2016

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Orta Doğu Teknik Üniversitesi,

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Layer-by-layer assembly of chitosan/alginate thin films containing Salmonella enterica bacteriophages for antibacterial applications**  
Tidim G., Guzel M., SOYER KÜÇÜKŞENEL Y., EREL GÖKTEPE İ.  
Carbohydrate Polymers, vol.328, 2024 (SCI-Expanded)
- II. **Tuning stimuli-responsive properties of alginate hydrogels through layer-by-layer functionalization for dual-responsive dual drug release**  
GÜNDOĞDU D., Alemdar C., Turan C., Hazal Husnugil H. H., BANERJEE S., EREL GÖKTEPE İ.  
Colloids and Surfaces A: Physicochemical and Engineering Aspects, vol.676, 2023 (SCI-Expanded)
- III. **Synthesis of poly(2-isopropyl-2-oxazoline)-b-poly(2-phenyl-2-oxazoline)-b-poly(2-isopropyl-2-oxazoline) and its self-assembly into polymersomes: Temperature-dependent aqueous solution behavior**  
Turan C., Terzioglu I., Gündoğdu D., Erel Göktepe İ.  
Materials Today Communications, vol.35, 2023 (SCI-Expanded)
- IV. **Boron Cage Triggered Micellization of a Neutral-Cationic Block Copolymer and Preparation of Boron-Containing Layer-by-Layer Microparticles**  
Aydemir U., Ugur E., Ermis C., Aydemir F. N., Ozdemir E., Banerjee S., Yildirim E., Akdağ A., Erel Göktepe I.  
ACS Applied Polymer Materials, vol.4, no.5, pp.3448-3461, 2022 (SCI-Expanded)
- V. **The effect of polyacid on the physical and biological properties of chitosan based layer-by-layer films**  
Saracogullari N., GÜNDOĞDU D., ÖZDEMİR F. N., SOYER Y., EREL GÖKTEPE İ.  
COLLOIDS AND SURFACES A-PHYSICOCHEMICAL AND ENGINEERING ASPECTS, vol.617, 2021 (SCI-Expanded)
- VI. **Biodegradable polymer promotes osteogenic differentiation in immortalized and primary osteoblast-like cells**  
Onat B., Tuncer S., Ulsan S., Banerjee S., Erel-Goktepe I.  
BIOMEDICAL MATERIALS, vol.14, 2019 (SCI-Expanded)
- VII. **Effect of side chain variation on surface and biological properties of poly(2-alkyl-2-oxazoline) multilayers**  
Çağlı E., Ugur E., Ulsan S., Banerjee S., Erel-Goktepe I.  
European Polymer Journal, vol.114, pp.452-463, 2019 (SCI-Expanded)
- VIII. **Multifunctional layer-by-layer modified chitosan/poly(ethylene glycol) hydrogels**  
Onat B., Ulsan S., Banerjee S., Erel Göktepe İ.  
EUROPEAN POLYMER JOURNAL, vol.112, pp.73-86, 2019 (SCI-Expanded)
- IX. **An experimental and computational approach to pH-dependent self-aggregation of poly(2-isopropyl-2-oxazoline)**  
Çağlı E., Yildirim E., Yang S., Erel Göktepe İ.  
JOURNAL OF POLYMER SCIENCE PART B-POLYMER PHYSICS, vol.57, pp.210-221, 2019 (SCI-Expanded)
- X. **Biologically Functional Ultrathin Films Made of Zwitterionic Block Copolymer Micelles**  
Ulsan S., Bütün V., Banerjee S., Erel Göktepe İ.  
LANGMUIR, vol.35, pp.1156-1171, 2019 (SCI-Expanded)
- XI. **Layer-By-Layer Modified Superparamagnetic Iron Oxide Nanoparticles with Stimuli-Responsive Drug Release Properties**  
Akbar M., Çağlı E., Erel Göktepe İ.  
MACROMOLECULAR CHEMISTRY AND PHYSICS, vol.220, 2019 (SCI-Expanded)
- XII. **Preparation of Layer-by-Layer Films with Remarkably Different pH-Stability and Release Properties Using Dual Responsive Block Copolymer Micelles**  
Gündoğdu D., Butun V., Erel-Goktepe I.

MACROMOLECULAR CHEMISTRY AND PHYSICS, vol.219, 2018 (SCI-Expanded)

- XIII. **Osteoconductive layer-by-layer films of Poly(4-hydroxy-L-proline ester) (PHPE) and Tannic acid**  
Onat B., Özçubukçu S., Banerjee S., Erel-Goktepe I.  
EUROPEAN POLYMER JOURNAL, vol.103, pp.101-115, 2018 (SCI-Expanded)
- XIV. **pH- and temperature-induced release of doxorubicin from multilayers of poly(2-isopropyl-2-oxazoline) and tannic acid**  
Haktaniyan M., Atilla S., Çağlı E., Erel Göktepe İ.  
POLYMER INTERNATIONAL, vol.66, pp.1851-1863, 2017 (SCI-Expanded)
- XV. **Layer-by-layer films of block copolymer micelles with cores exhibiting upper critical solution temperature behaviour**  
Ustoglu C., Çağlı E., Erel Göktepe İ.  
EUROPEAN POLYMER JOURNAL, vol.96, pp.278-294, 2017 (SCI-Expanded)
- XVI. **Bacterial anti-adhesive and pH-induced antibacterial agent releasing ultra-thin films of zwitterionic copolymer micelles**  
Onat B., Butun V., Banerjee S., Erel-Goktepe I.  
ACTA BIOMATERIALIA, vol.40, pp.293-309, 2016 (SCI-Expanded)
- XVII. **Hydrogen-Bonded Multilayers With Controllable pH-Induced Disintegration Kinetics for Controlled Release Applications From Surfaces**  
Bağ E., Begik O., Yusan P., Erel-Goktepe I.  
JOURNAL OF MACROMOLECULAR SCIENCE PART A-PURE AND APPLIED CHEMISTRY, vol.52, pp.286-298, 2015 (SCI-Expanded)
- XVIII. **Bacterial anti-adhesive properties of a monolayer of zwitterionic block copolymer micelles**  
Hippius C., Butun V., Erel-Goktepe I.  
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, vol.41, pp.354-362, 2014 (SCI-Expanded)
- XIX. **Polystyrene-b-poly(2-vinyl phenacyl pyridinium) salts as photoinitiators for free radical and cationic polymerizations and their photoinduced molecular associations**  
Taskin O. S., Erel-Goktepe I., Khan M. A. A., Pispas S., Yağcı Y.  
JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY, vol.285, pp.30-36, 2014 (SCI-Expanded)
- XX. **pH-responsive layer-by-layer films of zwitterionic block copolymer micelles**  
Yusan P., Tuncel I., Butun V., Demirel A. L., Erel-Goktepe I.  
POLYMER CHEMISTRY, vol.5, pp.3777-3787, 2014 (SCI-Expanded)
- XXI. **Hydrogen-bonded multilayers of micelles of a dually responsive dicationic block copolymer**  
Erel I., Karahan H. E., Tuncer C., Butun V., Demirel A. L.  
SOFT MATTER, vol.8, no.3, pp.827-836, 2012 (SCI-Expanded)
- XXII. **Effect of structural isomerism and polymer end group on the pH-stability of hydrogen-bonded multilayers**  
Erel I., Schlaad H., Demirel A. L.  
JOURNAL OF COLLOID AND INTERFACE SCIENCE, vol.361, no.2, pp.477-482, 2011 (SCI-Expanded)
- XXIII. **Hydrogen-bonded layer-by-layer films of block copolymer micelles with pH-responsive cores**  
Erel I., Zhu Z., Zhuk A., Sukhishvili S. A.  
JOURNAL OF COLLOID AND INTERFACE SCIENCE, vol.355, no.1, pp.61-69, 2011 (SCI-Expanded)
- XXIV. **Two Types of Block Copolymer Micelles with Ion-Containing Cores**  
Erel I., Zhu Z., Sukhishvili S., PATYUKOVA E., Potemkin I., KRAMARENKO E.  
MACROMOLECULAR RAPID COMMUNICATIONS, vol.31, no.5, pp.490-495, 2010 (SCI-Expanded)
- XXV. **Single-component layer-by-layer weak polyelectrolyte films and capsules: Loading and release of functional molecules**  
Kozlovskaya V. A., Kharlampieva E. P., Erel-Unal I., Sukhishvili S. A.  
POLYMER SCIENCE SERIES A, vol.51, no.6, pp.719-729, 2009 (SCI-Expanded)
- XXVI. **Multilayer-derived, ultrathin, stimuli-responsive hydrogels**  
Kozlovskaya V., Kharlampieva E., Erel I., Sukhishvili S. A.

- SOFT MATTER, vol.5, no.21, pp.4077-4087, 2009 (SCI-Expanded)
- XXVII. **Hydrogen-Bonded Hybrid Multilayers: Film Architecture Controls Release of Macromolecules**  
Erel-Unal I., Sukhishvili S. A.  
MACROMOLECULES, vol.41, no.22, pp.8737-8744, 2008 (SCI-Expanded)
- XXVIII. **Hydrogen-bonded multilayers of a neutral polymer and a polyphenol**  
Erel-Unal I., Sukhishvili S. A.  
MACROMOLECULES, vol.41, no.11, pp.3962-3970, 2008 (SCI-Expanded)
- XXIX. **Amphoteric surface hydrogels derived from hydrogen-bonded multilayers: Reversible loading of dyes and macromolecules**  
Kharlampieva E., Erel-Unal I., Sukhishvili S. A.  
LANGMUIR, vol.23, no.1, pp.175-181, 2007 (SCI-Expanded)
- XXX. **Synthesis of block copolymers by combination of photoinduced and atom transfer radical polymerization routes**  
Erel I., Cianga I., Serhatli E., Yağcı Y.  
European Polymer Journal, vol.38, no.7, pp.1409-1415, 2002 (SCI-Expanded)

### Refereed Congress / Symposium Publications in Proceedings

- I. **Antibiotic Releasing Multilayers of Poly(2-isopropyl 2-oxazoline) and Tannic Acid**  
ÇAĞLI E., UGUR e., EREL GÖKTEPE İ.  
The 4th International Conference on Bioinspired and Biobased Chemistry Materials, 14 - 17 October 2018
- II. **Layer-by-Layer Modification of Surfaces Using Zwitterionic Block Copolymer Micelles for Preparation of Anti-adhesive Coatings**  
ULUSAN S., BÜTÜN V., BANERJEE S., EREL GÖKTEPE İ.  
The 4th International Conference on Bioinspired and Biobased Chemistry Materials, 14 - 17 October 2018
- III. **Functionalization of Surfaces for Biomedical Applications via Layer-by-layer Self-assembly of Polymers**  
Onat B., Ulsan S., Bütün V., Banerjee S., Erel Göktepe İ.  
VII. Ulusal Polimer Bilim ve Teknoloji Kongresi, Eskişehir, Turkey, 9 - 12 September 2018
- IV. **Poly(2-alkyl-2-oxazoline) Based Multilayers as Antibacterial Coatings**  
ÇAĞLI E., UGUR E., ULUSAN S., BANERJEE S., EREL GÖKTEPE İ.  
VII.Ulusal Polimer Bilim ve Teknoloji Kongresi, Turkey, 9 - 12 September 2018
- V. **Multilayers of Zwitterionic Block Copolymer Micelles for Preparation of Anti-Adhesive Surfaces**  
ULUSAN S., BÜTÜN V., BANERJEE S., EREL GÖKTEPE İ.  
VII.Ulusal Polimer Bilim Ve Teknoloji Kongresi, Turkey, 9 - 12 September 2018
- VI. **Small Variations in Deposition Conditions of Block Copolymer Micellar Multilayers Provide Distinct Changes in Release Properties**  
GÜNDOĞDU D., BÜTÜN V., EREL GÖKTEPE İ.  
VII.Ulusal Polimer Bilim Ve Teknoloji Kongresi, Turkey, 9 - 12 September 2018
- VII. **Poli(2-isopropil-2-oksazolin) ve Tanik Asit İçeren Katman-katman Filmlerden Dokсорubisin'in Çevre Koşullarına Duyarlı Salımı**  
Haktaniyan M., Atilla S., Çağlı E., Erel Göktepe İ.  
29.Ulusal Kimya Kongresi, Ankara, Turkey, 10 - 14 September 2017, pp.474
- VIII. **Katman-Katman Kendiliğinden Yapılanma Yöntemi ile Hazırlanan Biyobozunur Osteoindüktif Ultra-İnce Polimer Filmler**  
Onat B., Erel Göktepe İ.  
29.Ulusal Kimya Kongresi, Ankara, Turkey, 10 - 14 September 2017, pp.426
- IX. **Poli(2-İzopropil-2-Oksazolin)'in pH Tetikleme ile Sulu Çözelti İçerisinde Self-Agregasyonuna Ortam İyonik Gücünün, Konsantrasyonunun, Sıcaklığının ve Polimer Uç Gruplarının Etkisi**  
Çağlı E., Erel Göktepe İ.

29.Ulusal Kimya Kongresi, Ankara, Turkey, 10 - 14 September 2017, pp.252

- X. **Hidrolitik Olarak Parçalanabilen PLGA-b-PEG Polimerzomları ve Tannik Asit İçeren Çok- Katmanlı Filmler**  
Çalış G., Erel Göktepe İ.  
29.Ulusal Kimya Kongresi, Ankara, Turkey, 10 - 14 September 2017, pp.470
- XI. **Film Kaplama Koşullarının pH ve Sıcaklığa Duyarlı Blok Kopolimer Miseller İçeren Çok Katmanlı Filmlerin Fizikokimyasal Davranışlarına Etkisi**  
Gündoğdu D., Erel Göktepe İ.  
29.Ulusal Kimya Kongresi, Ankara, Turkey, 10 - 14 September 2017, pp.469
- XII. **Effect of Film Deposition Conditions on the Properties of Multilayer Films of a Dual Responsive Block Copolymer Micelle**  
GÜNDOĞDU D., BÜTÜN V., EREL GÖKTEPE İ.  
254th ACS National Meeting, 20 - 24 August 2017
- XIII. **Effect of pH, temperature and ionic strength on the self-aggregation of poly(2-isopropyl-2-oxazoline)**  
ÇAĞLI E., EREL GÖKTEPE İ.  
254th ACS National Meeting, 20 - 24 August 2017
- XIV. **Osteoconductivity of layer-by-layer films of poly(4-hydroxy-L-proline) ester**  
ONAT B, ÖZÇUBUKÇU S., BANERJEE S., EREL GÖKTEPE İ.  
7th International Colloid Conference, 18 - 21 June 2017
- XV. **pH and Temperature Triggered Release of Doxorubicin from Hydrogen bonded Multilayer Thin Films of Poly 2 isoprpyl 2 oxazoline**  
HAKTANIYAN M., ATILLA S., EREL GÖKTEPE İ., ÇAĞLI E.  
6th EuCheMS Chemistry Congress, 11 - 16 September 2016
- XVI. **Effect of Branching of the Coronal Chains of a Polymeric Micelle on pH Triggered Release of an Anticancer Drug from Multilayer Thin Films**  
GÜNDOĞDU D., EREL GÖKTEPE İ., BÜTÜN V.  
6th EuCheMS Chemistry Congress, 11 - 16 September 2016
- XVII. **Magnetothermally responsive polymer nanofilms of polyoxazoline block copolymer micelles**  
Cagli E., EREL GÖKTEPE İ.  
6th EuCheMS Chemistry Congress, 11 - 15 September 2016
- XVIII. **Release of Doxorubicin from Layer by Layer Films of Poly 2 isopropyl 2 Oxazoline**  
HAKTANIYAN M., ATILLA S., ÇAĞLI E., EREL GÖKTEPE İ.  
Macro 2016, 46th IUPAC World Polymer Congress, 17 - 21 July 2016
- XIX. **Introducing Upper Critical Solution Temperature to Polymer Multilayer Films**  
USTOGLU C., ÇAĞLI E., EREL GÖKTEPE İ.  
Macro 2016, 46th IUPAC World Polymer Congress, 17 - 21 July 2016
- XX. **Controlled Release of Paclitaxel from Multilayers of block copolymer micelles with Temperature Responsive corona and pH responsive cores**  
ÇAĞLI E., EREL GÖKTEPE İ.  
Macro 2016, 46th IUPAC World Polymer Congress, 17 - 21 July 2016
- XXI. **Polymeric layer by Layer Film Deposition for Biomedical Applications**  
Zeynep G., KIZILTAY A., EREL GÖKTEPE İ., HASIRCI N.  
21st International Biomedical Science and Technology Symposium, Antalya, Turkey, 22 - 24 October 2015
- XXII. **Multifunctional Anti adhesive Films Prepared by Layer by Layer Formation of Zwitterionic Micelles**  
BORA O., BÜTÜN V., BANERJEE S., EREL GÖKTEPE İ.  
27th European Conference on Biomaterials, 30 August - 03 September 2015
- XXIII. **Piezoelectric Properties of Layer by Layer Films**  
OZLEM S., UMİT C., EREL GÖKTEPE İ., BAYRAM G., ORAL A.  
11th Nanoscience and Nanotechnology Conference (NanoTR-11), Turkey, 22 - 25 June 2015
- XXIV. **Anti Biofouling Films Prepared by Layer by Layer Formation of Zwitterionic Micelles**

BORA O., BÜTÜN V., BANERJEE S., EREL GÖKTEPE İ.

11th Nanoscience and Nanotechnology Conference (NanoTR-11), Turkey, 22 - 25 June 2015

- XXV. **Layer-by-Layer Films of Zwitterionic Micelles**  
Erel Göktepe İ., Yuşan P., Bütün V., Demirel A. L.  
2nd International Conference on Bioinspired and Biobased Chemistry and Materials, Nice, France, 15 - 17 October 2014, pp.266
- XXVI. **pH ve Sıcaklığa Duyarlı Çok-katmanlı Polimer Filmler**  
Erel Göktepe İ., Bütün V., Demirel A. L.  
5.Ulusal Polimer Kongresi, Tokat, Turkey, 01 September 2014 - 04 September 2017, pp.25
- XXVII. **Ultra-thin Films of Polyzwitterionic Micelles**  
Erel Göktepe İ., Yuşan P., Hippus C., Bütün V., Demirel A. L.  
78th Prague Meeting on Macromolecules, Praha, Czech Republic, 20 - 24 July 2014, pp.81
- XXVIII. **Zwitteriyonik Blok Kopolimer Miseller İçeren Çok-katmanlı İnce Filmler**  
Erel Göktepe İ., Bütün V., Demirel A. L.  
26.Ulusal Kimya Kongresi, Muğla, Turkey, 1 - 06 October 2012, pp.45
- XXIX. **Strategies to incorporate micelles of selectively betainized block copolymers into electrostatic layer-by-layer films**  
EREL GÖKTEPE İ., BÜTÜN V., DEMİREL A. L.  
242nd National Meeting of the American-Chemical-Society (ACS), Colorado, United States Of America, 28 August - 01 September 2011, vol.242
- XXX. **Monolayers and Multilayers of Dually Responsive micelles**  
Sukhishvili S., Zhu Z., Erel Göktepe İ.  
238th National ACS meeting, Washington, United States Of America, 16 - 20 August 2009, pp.1
- XXXI. **Hydrogen-Bonded Multilayers of a pH and Temperature Responsive Block Copolymer Micelle**  
Erel Göktepe İ., Zhu Z., Sukhishvili S.  
236th National ACS meeting, Philadelphia, PA, Pennsylvania, United States Of America, 17 - 21 August 2008, pp.1
- XXXII. **Biocompatible, Hydrogen-bonded Multilayers of a Polyphenol with High pH-Stability**  
Erel Göktepe İ.  
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## Scientific Consultations

BRİSA Bridgestone Sabancı Lastik San. Tic.A.Ş. , Other, Middle East Technical University, Faculty of Arts and Sciences, Department of Chemistry, Turkey, 2018 - 2020

## Metrics

Publication: 67

Citation (WoS): 788

Citation (Scopus): 819

H-Index (WoS): 13

H-Index (Scopus): 15

## Congress and Symposium Activities

VII. Ulusal Polimer Bilim ve Teknoloji Kongresi, Invited Speaker, Eskişehir, Turkey, 2018

## Invited Talks

Functionalization of Surfaces for Biomedical Applications via Layer-by-layer Self-assembly of Polymers, Conference, Eskişehir Osmangazi Üniversitesi, Turkey, September 2018

Functionalization of Surface via Layer-by-layer Technique, Seminar, İhsan Doğramacı Bilkent Üniversitesi, Turkey, May 2017

Çok-katmanlı Ultra-ince Polimer Filmler, Seminar, Atatürk Üniversitesi, Turkey, May 2012

UNAM-Preparation of Functional Multilayer Films Using Layer-by-layer Self-assembly Technique, Seminar, İhsan Doğramacı Bilkent Üniversitesi, Turkey, December 2011

Ultra-ince Polimer Filmler, Seminar, Gazi Üniversitesi, Turkey, November 2011

Multilayer Films of Block Copolymer Micelles , Seminar, Tobb Ekonomi Ve Teknoloji Üniversitesi, Turkey, October 2011

Blok Kopolimer Miseller İçeren Çok-katmanlı İnce Filmler, Seminar, Eskişehir Osmangazi Üniversitesi, Turkey, October 2011

pH-Responsive Polymer Multilayer Films / Biyomalzeme ve Doku Mühendisliği Araştırma ve Uygulama Merkezi , Workshop, Orta Doğu Teknik Üniversitesi, Turkey, May 2011

## Scholarships

Research Assistantship Scholarship, University, 2006 - 2009

Teaching Assistant Scholarship, University, 2005 - 2006

Münir Bırsel Vakfı Graduate Research Scholarship , TUBİTAK, 1999 - 2001

## Awards

Erel Göktepe İ., TÜBA Destekli L'OREAL Ulusal Genç Bilim Kadınlarına Destek Bursu Programı, Tüba Destekli L'oreal

Ulusal Genç Bilim Kadınlarına Destek Bursu Programı, May 2010

Erel Göktepe İ., Outstanding Graduate Achievement Award, Stevens Institute Of Technology, May 2009

## **Non Academic Experience**

Ticona Teknik Polimerler

Flokser Kimya

Ultrakim Kimya