

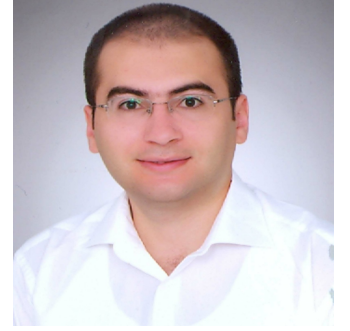
Prof. OLCAY MERT

Personal Information

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Education Information

Doctorate, Middle East Technical University, Graduate School Of Natural And Applied Sciences, Polymer Science And Technology, Turkey 2003 - 2011

Dissertations

Doctorate, Thermosensitive biodegradable mPEG-PLLA block copolymers: Syntheses, characterizations and applications in drug delivery systems Synthesis and properties of novel electrochromic polythienylpyrrole, Middle East Technical University, Graduate School Of Natural And Applied Sciences, 2011

Research Areas

Physical Chemistry

Academic Titles / Tasks

Professor, Kocaeli University, Fen Edebiyat Fakültesi, Kimya, 2022 - Continues

Associate Professor, Kocaeli University, Fen Edebiyat Fakültesi, Kimya, 2015 - 2022

Assistant Professor, Kocaeli University, Fen Edebiyat Fakültesi, Kimya, 2013 - 2015

Research Assistant, Kocaeli University, Fen Edebiyat Fakültesi, Kimya, 2011 - 2013

Research Assistant, Middle East Technical University, Faculty Of Arts And Sciences, Department Of Chemistry, 2003 - 2011

Research Assistant, Johns Hopkins University, Müh. Fak., Chemical And Biomolecular Engineering Dept, 2008 - 2009

Academic and Administrative Experience

Deputy Head of Department, Kocaeli University, Fen Edebiyat Fakültesi, Kimya, 2019 - 2020

Head of Department, Kocaeli University, Fen Bilimleri Enstitüsü, 2017 - 2020

Courses

Genel kimya 1, Undergraduate, 2019 - 2020

Drug Chemistry, Undergraduate, 2019 - 2020

Advising Theses

- Mert O., Çift fonksiyonlu skuaranit organokatalizörler ile asimetrik sübstitüye glikolidlerin halka açılma polimerizasyonları ve BSA yüklü nanopartikül formülasyonları, Doctorate, A.VARDAR(Student), 2023
- Mert O., İlaç salım sistemleri için poli(sübstitüye glikolid) nanomalzemeleri ve kemik doku mühendisliği için jelma bazlı hidrojel sistemleri, Doctorate, M.ONUR(Student), 2022
- Mert O., Amin fonksiyonel poli (bütirolakton-alkil glikolid) - MePEG kopolimerleri, Postgraduate, Y.ÇOLAK(Student), 2019
- Mert O., Lokal ilaç salım sistemleri için yeni ısıya hassas poli(izobütül metil glikolid)-peg blok kopolimerlerinin sentezi ve özellikleri, Postgraduate, D.ÇETİN(Student), 2017
- Mert O., İlaç salım sistemleri için yeni ısıya hassas amin fonksiyonel poliglikolid-polilaktid-PEG kopolimerlerinin sentezleri, Postgraduate, S.ERDOĞAN(Student), 2017
- Mert O., Yeni bor bazlı nanomalzemelerin üretilmesi ve ilaç salım sistemlerinde kullanılması, Postgraduate, A.VARDAR(Student), 2017
- Mert O., Yeni bor bazlı 3,6-diizobütül-1,4-dioksan-2,5-dion polimerlerinin sentezleri ve ilaç salım sistemlerinde uygulamaları, Postgraduate, H.AYBÜKE(Student), 2015
- Mert O., İlaç salım sistemleri için yeni poli(Diizopropil Glikolid)-peg blok kopolimerlerinin sentezleri ve özellikleri, Postgraduate, M.ONUR(Student), 2014

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Designing effective underwater self-cleaning surfaces by investigating the oil dewetting ability of hydrophobic and underwater superoleophobic Poly(Diisobutyl Glycolide)-Silica composite surfaces**
Belen S. N., Arıcan M. O., Mert O., Cengiz U.
Surfaces and Interfaces, vol.44, 2024 (SCI-Expanded)
- II. **Effects of Hybrid POSS Nanoparticles on the Properties of Thermoplastic Elastomer-Toughened Polyamide 6.**
Yıldırım R., Ullah M. S., Koçoğlu H., Ün M., Yazıcı Çakır N., Demir G., Çetin D., Urtekin G., Özkoç G., Mert O., et al.
ACS omega, vol.8, no.49, pp.47034-47050, 2023 (SCI-Expanded)
- III. **trans- and cis-DACH-Based Bifunctional Squaramides Catalyzed Ring-Opening Polymerizations of Asymmetric Substituted Glycolides**
Vardar A., Erdebil Ö., Mert O., Mert S.
Macromolecules, vol.56, no.12, pp.4575-4590, 2023 (SCI-Expanded)
- IV. **Novel and eco-friendly hydrophobic treatment of cotton and polyester fabrics based-on octavinyl and aminopropylisobutyl polyhedral oligomeric**
Akbaşak T., KODAL M., MERT O., Özkoç G.
POLYMER, vol.268, 2023 (SCI-Expanded)
- V. **Injectable thermoresponsive hydrogels based on (Me)PEG-poly(menthide) amphiphilic block copolymers from bioderived lactone**
Arıcan M. O., Koldankaya T., MERT S., Çoban H., Erdoğan S., MERT O.
Polymer Chemistry, vol.14, no.10, pp.1141-1154, 2023 (SCI-Expanded)
- VI. **The outstanding interfacial adhesion between acrylo-POSS/natural rubber composites and polyamide-based cords: 'An environmentally friendly alternative to resorcinol-formaldehyde latex coating'**
Yazıcı N., Dursun S., Yarici T., Kilic B., Arıcan M. O., MERT O., KARAAĞAÇ B., ÖZKOÇ G., KODAL M.
POLYMER, vol.228, 2021 (SCI-Expanded)
- VII. **Poly(asymmetrical glycolide)s: The Mechanisms and Thermosensitive Properties**
Çetin D., Arıcan M. O., Kenar H., Mert S., Mert O.
MACROMOLECULES, vol.54, no.1, pp.272-290, 2021 (SCI-Expanded)
- VIII. **Symmetrical substituted glycolides: methodology and polymerization**
Arıcan M. O., MERT O.
POLYMER CHEMISTRY, vol.11, no.27, pp.4477-4491, 2020 (SCI-Expanded)

- IX. **Effect of Octavinyl-Polyhedral Oligomeric Silsesquioxane on the Cross-linking, Cure Kinetics, and Adhesion Properties of Natural Rubber/Textile Cord Composites**
Yazici N., Dursun S., Yarici T., Kilic B., MERT O., KARAAĞAÇ B., ÖZKOÇ G., KODAL M.
INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH, vol.59, no.5, pp.1888-1901, 2020 (SCI-Expanded)
- X. **Amine-Functionalized Polylactide-PEG Copolymers**
Arıcan M. O., Erdogan S., MERT O.
MACROMOLECULES, vol.51, no.8, pp.2817-2830, 2018 (SCI-Expanded)
- XI. **Synthesis and properties of novel diisopropyl-functionalized polyglycolide-PEG copolymers**
Arıcan M. O., MERT O.
RSC ADVANCES, vol.5, no.87, pp.71519-71528, 2015 (SCI-Expanded)
- XII. **Synthesis and characterization of substituted salicylate zirconium compounds and their catalytic activity over epsilon-caprolactone**
MERT O., KAYAN A.
JOURNAL OF INCLUSION PHENOMENA AND MACROCYCLIC CHEMISTRY, vol.80, pp.409-416, 2014 (SCI-Expanded)
- XIII. **Pretreatment of Human Cervicovaginal Mucus with Pluronic F127 Enhances Nanoparticle Penetration without Compromising Mucus Barrier Properties to Herpes Simplex Virus**
Ensign L. M., Lai S. K., Wang Y., Yang M., Mert O., Hanes J., Cone R.
BIOMACROMOLECULES, vol.15, no.12, pp.4403-4409, 2014 (SCI-Expanded)
- XIV. **Preparation of L-Lactide/3-Glycidyoxypropyltrimethoxysilane Copolymeric Materials with Various Catalysts**
KAYAN A., MERT O.
JOURNAL OF INORGANIC AND ORGANOMETALLIC POLYMERS AND MATERIALS, vol.24, no.6, pp.1055-1062, 2014 (SCI-Expanded)
- XV. **Vaginal Delivery of Paclitaxel via Nanoparticles with Non-Mucoadhesive Surfaces Suppresses Cervical Tumor Growth**
Yang M., Yu T., Wang Y., Lai S. K., Zeng Q., Miao B., Tang B. C., Simons B. W., Ensign L. M., Liu G., et al.
ADVANCED HEALTHCARE MATERIALS, vol.3, no.7, pp.1044-1052, 2014 (SCI-Expanded)
- XVI. **Synthesis of silyliminophenolate zirconium compounds and their catalytic activity over lactide/epoxide**
MERT O., KAYAN A.
APPLIED CATALYSIS A-GENERAL, vol.464, pp.322-331, 2013 (SCI-Expanded)
- XVII. **Sol-gel Approaches for Elaboration of Polyol Dehydrogenase-Based Bioelectrodes**
Urbanova V., Kohring G., Klein T., Wang Z., Mert O., Emrullahoglu M., Buran K., DEMİR A. G., Etienne M., Walcarius A.
ZEITSCHRIFT FÜR PHYSIKALISCHE CHEMIE-INTERNATIONAL JOURNAL OF RESEARCH IN PHYSICAL CHEMISTRY & CHEMICAL PHYSICS, vol.227, no.5, pp.667-689, 2013 (SCI-Expanded)
- XVIII. **Pyrrole coupling chemistry: investigation of electroanalytic, spectroscopic and thermal properties of N-substituted poly(bis-pyrrole) films**
MERT O., DEMİR A. G., Cihaner A.
RSC ADVANCES, vol.3, no.6, pp.2035-2042, 2013 (SCI-Expanded)
- XIX. **Biodegradable mucus-penetrating nanoparticles composed of diblock copolymers of polyethylene glycol and poly(lactic-co-glycolic acid)**
Yu T., Wang Y., Yang M., Schneider C., Zhong W., Pulicare S., Choi W., Mert O., Fu J., Lai S. K., et al.
DRUG DELIVERY AND TRANSLATIONAL RESEARCH, vol.2, no.2, pp.124-128, 2012 (SCI-Expanded)
- XX. **A poly(ethylene glycol)-based surfactant for formulation of drug-loaded mucus penetrating particles**
Mert O., Lai S. K., Ensign L., Yang M., Wang Y., Wood J., Hanes J.
JOURNAL OF CONTROLLED RELEASE, vol.157, no.3, pp.455-460, 2012 (SCI-Expanded)
- XXI. **Injectable biodegradable polymeric system for preserving the active form and delayed-release of camptothecin anticancer drugs**
Mert O., ESENDAĞLI G., DOĞAN A., DEMİR A. G.
RSC ADVANCES, no.1, pp.176-185, 2012 (SCI-Expanded)
- XXII. **Drug carrier nanoparticles that penetrate human chronic rhinosinusitis mucus**

- Lai S. K., Suk J. S., Pace A., Wang Y., Yang M., Mert O., Chen J., Kim J., Hanes J.
BIOMATERIALS, vol.32, no.26, pp.6285-6290, 2011 (SCI-Expanded)
- XXIII. **A Berzelius Reagent, Phosphorus Decasulfide (P₄S₁₀), in Organic Syntheses**
Öztürk T., Ertas E., Mert O.
CHEMICAL REVIEWS, vol.110, no.6, pp.3419-3478, 2010 (SCI-Expanded)
- XXIV. **A novel electrochromic and fluorescent polythienylpyrrole bearing 1,1'-bipyrrole**
Cihaner A., Mert O., DEMİR A. G.
ELECTROCHIMICA ACTA, vol.54, no.4, pp.1333-1338, 2009 (SCI-Expanded)
- XXV. **Surface characterization of poly(L-lactic acid)-methoxy poly(ethylene glycol) diblock copolymers by static and dynamic contact angle measurements, FTIR, and ATR-FTIR**
MERT Ö. M., Doganci E., Erbil H. Y., Dernir A. S.
LANGMUIR, no.3, pp.749-757, 2008 (SCI-Expanded)
- XXVI. **Use of Lawesson's reagent in organic syntheses**
Ozturk T., Ertas E., Mert O.
CHEMICAL REVIEWS, vol.107, no.11, pp.5210-5278, 2007 (SCI-Expanded)
- XXVII. **Electrochromic properties of poly(diphenyldithieno[3,2-b; 2',3'-d]thiophene)**
Mert O., Sahin E., Ertas E., Ozturk T., Aydin E. A., Toppare L.
JOURNAL OF ELECTROANALYTICAL CHEMISTRY, vol.591, no.1, pp.53-58, 2006 (SCI-Expanded)
- XXVIII. **Dithienothiophenes**
Ozturk T., Ertas E., Mert O.
TETRAHEDRON, vol.61, no.47, pp.11055-11077, 2005 (SCI-Expanded)
- XXIX. **Transformation of a simple plastic into a superhydrophobic surface**
Erbil H. Y., Demirel A. L., Avci Y., Mert O.
SCIENCE, no.5611, pp.1377-1380, 2003 (SCI-Expanded)

Articles Published in Other Journals

- I. **Synthesis and Characterization of Novel Copolymers of Poly (isopentenyl PEG - co-allyl PEG), Their Performance in Cement Mortar and Comparison with Physical Blends**
DİZDAR Z., MERT O., ÖZKOÇ G.
GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.31, no.3, pp.759-773, 2018 (ESCI)
- II. **Investigation of The Stabilization of Camptothecin Anticancer Drug via PSA-PEG Polymeric Particles**
Kızisar D., Subaşı N. T., Eröksüz S., Demir A. S., Mert O.
Anadolu University Journal of Science and Technology-A Applied Sciences and Engineering, vol.17, pp.221-231, 2016 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Investigation of effects of MoEpPOSS nanoparticle on the morphological and rheological properties**
Yıldırım R., KOÇOĞLU H., ÜN M., ULLAH M. S., YAKAR İ., ÖZKOÇ G., MERT O., KODAL M.
13. Uluslararası Lif ve Polimer Araştırmaları Sempozyumu, Bolu, Turkey, 3 - 04 November 2023
- II. **Investigation of the non-isothermal crystallization kinetics of thermoplastic elastomer toughened polyamide 6 blends**
YAKAR İ., Yıldırım R., ÖZKOÇ G., MERT O., KODAL M.
13. Uluslararası Lif ve Polimer Araştırmaları Sempozyumu, Bolu, Turkey, 3 - 04 November 2023
- III. **Poli(Diizobütül Glikolid)-Bazlı Nanoteranostik Sistemler: Kanser Tedavisi ve Teşhisinde İlerlemenin Umut Verici Bir Yolu**
Arıcan M. O., Koldankaya T., DURUKSU G., MERT S., Sezer H. A., YILDIZ U., KAYAN A., MERT O.
15. Ulusal Kimya Mühendisliği Kongresi, Çanakkale, Turkey, 04 September 2023

- IV. **Dokso rubisin Yüklü PDIPG Nanopartiküllerinin Kriyoprotektan Varlığında Kararlılıklarının Araştırılması**
MERT S., Koldankaya T., Arıcan M. O., MERT O.
15. Ulusal Kimya Mühendisliği Kongresi, Çanakkale, Turkey, 4 - 07 September 2023
- V. **Yeni Nesil Nanoparçacıklar ile Uyumlaştırılmış PA6/TPE Harmanlarının Tekrarlı Ekstrüzyon Sonrası Mekanik, Reolojik ve Morfolojik Özelliklerinin İncelenmesi**
Yıldırım R., ÖZKOÇ G., MERT O., KODAL M.
15. Ulusal Kimya Mühendisliği Kongresi (UKMK-15), Çanakkale, Turkey, 4 October - 07 September 2023
- VI. **İlaç Salım Sistemleri için PEG Bazlı Poli(Alkil Sübstitüye Glikolid) Yıldız Kopolimerlerinin Sentezi**
MERT O., Çetin D., Kardeşin S., DURUKSU G., MERT S., YAZIR Y.
15. Ulusal Kimya Mühendisliği Kongresi, Çanakkale, Turkey, 04 September 2023
- VII. **Investigation of Self-Healing Properties of Bromobutyl Rubber in the Presence of Novel Hybrid Nanoparticles**
KODAL M., KAVACIK Ö., GÖKÇESULAR S., MERT O., ÖZKOÇ G.
38th International Conference of the Polymer Processing Society (PPS-38), St. Gallen, Switzerland, 22 May 2023
- VIII. **Development of self-healing butyl rubber formulations**
KAVACIK Ö., GÖKÇESULAR S., MERT O., ÖZKOÇ G., KODAL M.
Tire Technology Expo, Hannover, Germany, 21 March 2023
- IX. **The effects of acrylo-POSS nanoparticles on the adhesion properties of rayon cord and natural rubber skim compounds**
YAZICI N., DURSUN S., YARICI T., KILIÇ B., KARAAĞAÇ B., MERT O., ÖZKOÇ G., KODAL M.
2nd International Symposium on Plastic Technology, Aachen, Germany, 05 September 2022
- X. **Organocatalytic Synthesis of Poly(Isopropyl Methyl Glycolide) Homo- and Ko- polymers**
Çetin D., Asri H., Mert S., Duruksu G., Arıcan M. O., Mert O.
34. Ulusal Kimya Kongresi, Yalova, Turkey, 1 - 06 September 2022, pp.191-192
- XI. **Mechanical and morphological properties of MoEp-POSS nanoparticle compatibilized PA6/TPE blends**
Yıldırım R., ÜN M., YAZICI N., ULLAH M. S., Demir G., KOÇOĞLU H., ÖZKOÇ G., MERT O., KODAL M.
2nd International Symposium on Plastic Technology, Aachen, Germany, 05 September 2022
- XII. **Sürekli Fazı Termoplastik Elastomer (TPE) Olan Poliamit 6 (PA6)/TPE Karışımlarının Kristalizasyon Kinetiğine Yeni Nesil Nanotaniciklerin Etkisinin İncelenmesi**
Mete İ., Yıldırım R., ULLAH M. S., ÜN M., Demir G., KOÇOĞLU H., ÖZKOÇ G., MERT O., KODAL M.
34. Ulusal Kimya Kongresi, Yalova, Turkey, 01 September 2022
- XIII. **Monoepoksi POSS ile Uyumlaştırılmış Poliamit 6/Termoplastik Elastomer Karışımlarının Isıl ve Reolojik Özelliklerinin İncelenmesi**
Yıldırım R., ÜN M., ULLAH M. S., KOÇOĞLU H., Demir G., YAZICI N., ÖZKOÇ G., MERT O., KODAL M.
34. Ulusal Kimya Kongresi, Yalova, Turkey, 01 September 2022
- XIV. **Oktaizobütıl Polihedral Oligomerik Silseskuiookzan (O-POSS) ile Uyumlaştırılmış Poliamit 6 (PA6)/Termoplastik Elastomer (TPE) Karışımlarının Esas Kırılma İşinin İncelenmesi**
Palaz V., Güzel D. Y., Yıldırım R., ULLAH M. S., ÜN M., Demir G., KOÇOĞLU H., ÖZKOÇ G., MERT O., KODAL M.
34. Ulusal Kimya Kongresi, Yalova, Turkey, 01 September 2022
- XV. **Mühendislik Termoplastiği ile Harmanlanmış Poliester Temelli Termoplastik Elastomerlerin Esas Kırılma Davranışının İncelenmesi**
Güzel D. Y., Palaz V., Yıldırım R., ULLAH M. S., ÜN M., Demir G., KOÇOĞLU H., ÖZKOÇ G., MERT O., KODAL M.
34. Ulusal Kimya Kongresi, Yalova, Turkey, 01 September 2022
- XVI. **Sürekli Fazı Termoplastik Elastomer (TPE) Olan Poliamit 6/TPE Karışımlarının Mekanik ve Morfolojik Özelliklerinin İncelenmesi**
Yıldırım R., ULLAH M. S., KOÇOĞLU H., ÜN M., YAZICI N., YAZICI N., Demir G., ÖZKOÇ G., MERT O., KODAL M.
VIII. Uluslararası Katılımlı Polimer Bilim ve Teknoloji Kongresi, Malatya, Turkey, 20 June 2022
- XVII. **PTPE/PA6 Karışımlarının Yeni Nesil Hibrit Nanoparçacık Yoluyla Reaktif Uyumlaştırılması ve Karakterizasyonu**

UZUNER A., Yıldırım R., YAZICI N., ÖZKOÇ G., MERT O., KODAL M.

VIII. Uluslararası Katılımlı Polimer Bilim ve Teknoloji Kongresi, Malatya, Turkey, 20 June 2022

- XVIII. **Rheological and thermal properties of Tri-EpPOSS nanoparticle compatibilized PA6/TPE blends**
Yıldırım R., ÜN M., YAZICI N., ULLAH M. S., Demir G., KOÇOĞLU H., ÖZKOÇ G., MERT O., KODAL M.
37th International Conference of the Polymer Processing Society (PPS-37), Poster Sunum, Fukuoka, Japan, 11 - 15 April 2022
- XIX. **Mechanical and Morphological Properties of TriEp-POSS nanoparticle compatibilized PA6/TPE Blends**
ÜN M., Yıldırım R., YAZICI N., ULLAH M. S., Demir G., MERT O., ÖZKOÇ G., KODAL M.
Brightlands Polymer Days 2021, Veldhoven, Netherlands, 7 - 09 November 2021
- XX. **A-POSS as an adhesion promoter for nylon 6.6 cord and natural rubber compound**
YAZICI N., DURSUN S., YARICI T., KILIÇ B., MERT O., KARAAĞAÇ B., KODAL M., ÖZKOÇ G.
Brightlands Polymer Days 2021, Veldhoven, Netherlands, 07 November 2021
- XXI. **Improvement adhesion of Acrylo-POSS reinforced natural rubber skim compound towards aramid fiber**
YAZICI N., DURSUN S., YARICI T., YARICI T., MERT O., KARAAĞAÇ B., KODAL M., ÖZKOÇ G.
36th International Conference of the Polymer Processing Society (PPS-36), Montreal, Canada, 26 September 2021
- XXII. **BSA Loaded Poly(isobutyl-Methyl Glycolide) Nanoparticles for Drug Delivery Systems, Online Presentations**
Vardar A., Erdebil Ö., Mert O., Mert S.
13th International Symposium Pharmaceutical Sciences (ISOPS), Ankara, Turkey, 22 - 25 June 2021, pp.28
- XXIII. **BSA Loaded Poly(isobutyl-Methyl Glycolide) Nanoparticles for Drug Delivery Systems**
Vardar A., Erdebil Ö., Mert O., Mert S.
13th International Symposium Pharmaceutical Sciences (ISOPS), Turkey, 22 - 25 June 2021
- XXIV. **Thermosensitive Poly(Menthide)-PEG Hydrogel Systems for Local Treatment**
Koldankaya T., Arıcan M. O., Çoban H., Erdoğan S., Mert O., Mert S.
IMASCON 2021 SPRING, İstanbul, Turkey, 21 - 22 May 2021, pp.79
- XXV. **Synthesis and Characterization of Trans-DACH Based Squaramide Organocatalyst**
Erdebil Ö., Mert S., Mert O., Vardar A.
IMASCON 2021 SPRING, İstanbul, Turkey, 21 - 22 May 2021, pp.80
- XXVI. **Investigation of Stability of PLGA/Doxorubicin Nanoparticles**
Koldankaya T., Arıcan M. O., Mert O., Mert S.
IMASCON 2021 SPRING, İstanbul, Turkey, 21 - 22 May 2021, pp.78
- XXVII. **Poliamit 6/ Termoplastik Elastomer Karışımlarının Mekanik, Isıl, Reolojik Ve Morfolojik Özelliklerinin İncelenmesi**
ÜN M., ULLAH M. S., Sezemoğlu B., Yıldırım R., YAZICI N., ÖZKOÇ G., MERT O., KODAL M.
14. Ulusal Kimya Mühendisliği Kongresi (UKMK2020), Konya, Turkey, 10 June 2021
- XXVIII. **Poly(isopropyl lactide) Star Polymers For Antisense RNA Based Glioblastoma Therapy**
Çetin D., Mert S., Duruksu G., Yazır Y., Mert O.
[COST] Action CA17103-Workshop in delivery barriers., Kobenhavn, Denmark, 23 - 24 January 2020
- XXIX. **Syntheses and Features of MePEG-Poly(LLA-co- α NBocBL) Block Copolymers for Target Specific Drug Release Systems**
Çolak Y., Arıcan M. O., Mert O.
Uluslararası Katılımlı VII Polimer Bilim ve Teknolojisi Kongresi, Eskişehir, Turkey, 9 - 12 September 2018, pp.20
- XXX. **Fabrication of Novel PEG based PDIBG Nanomaterials for Use of Drug Delivery Systems**
MERT O., Arıcan m. o.
5th BAU Drug Design Congress, 19 - 21 October 2017
- XXXI. **Syntheses and Properties of MePEG-Poly(LLA-co- α BryBL) and MePEG-Poly(LLA-co- α NBocBL) Copolymers for Targeted Drug Delivery Applications**
Çolak Y., Arıcan m. o., MERT O.
5th BAU Drug Design Congress, 19 - 21 October 2017

- XXXII. **Synthesis, Characterization, and Properties of PEG Based Poly(Izobutyl Methyl Glycolide) Copolymers**
Çetin D., Arican m. o., KENAR H., MERT O.
5th BAU Drug Design Congress, 19 - 21 October 2017
- XXXIII. **Nanoformulations of Novel Boron Based Polyesters for Use in Drug Delivery Systems**
Arican M. O., Aybüke H. K., Duruksu G., Yıldız U., Kayan A., Mert O.
4th International BAU Drug Design Congress, İstanbul, Turkey, 13 - 15 October 2016
- XXXIV. **Synthesis of Poly isobutyl methyl glycolide and Poly isobutyl ethyl glycolide Polymers for Use In Drug Delivery Systems**
MERT O., vardar a., arican m. o., YILDIZ U., KAYAN A.
4th international BAU drug design congress, 13 - 15 October 2016
- XXXV. **syntheses and nanoformulations of novel boron based poly diisobutyl glycolide homopolymers and their copolymers with lactide for drug delivery sytems**
arican m. o., kandıra a. h., DURUKSU G., YILDIZ U., KAYAN A., MERT O.
46th IUPAC World Polymer Congress, 17 - 21 July 2016
- XXXVI. **Synthesis and characterization of new class of boron based asymmetric poly substituted glycolides for biomedical applications**
vardar a., arican m. o., YILDIZ U., KAYAN A., MERT O.
46th IUPAC world polymer congress MACRO2016, 17 July 2016
- XXXVII. **Synthesis and Characterization of a New Class of Boron Based Asymmetric Poly Substituted Glycolides for BiomedicalApplications**
Vardar A., Arican M. O., YILDIZ U., KAYAN A., MERT O.
46th IUPAC World Polymer Congress (MACRO 2016), 17 - 21 July 2016
- XXXVIII. **Synthesis of Novel Thermosensitive Poly Amine Functionalized Glycolide Poly Lactide PEG Copolymers and Their Applications in Drug Delivery Systems**
Erdoğan S., Arican M. O., MERT O.
46th IUPAC World Polymer Congress (MACRO 2016), 17 - 21 July 2016
- XXXIX. **Syntheses and nanoformulations of novel boron based poly diisobutyl glycolide homopolymers and their copolymerswith lactide for drug delivery systems**
Arican M. O., Kandıra H. A., Duruksu G., Yıldız U., Kayan A., Mert O.
46th IUPAC World Polymer Congress (MACRO 2016), İstanbul, Turkey, 17 - 21 July 2016
- XL. **Synthesis and characterization of a new class of boron based asymmetric poly substiueted glycolides for biomedical applications**
Vardar A., Arican M. O., YILDIZ U., KAYAN A., MERT O.
46. IUPAC World Polymer Congress, 17 - 21 July 2016
- XLI. **The Stabilization of Camptothecin Anticancer Drug via Phosphazene Cored and Miktoarm Star Shaped Polymeric Nanocarriers**
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Supported Projects

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MERT O., Project Supported by Higher Education Institutions, TOKSİK OLMAYAN DEMİR(III) PERKlorat Katalizörü İle Oda Sıcaklığında Etil-Metil Glükolid Monomerinin Polimerizasyonu ve Kinetik Çalışmaları, 2018 - 2019

MERT O., ÇOLAK Y., Project Supported by Higher Education Institutions, Guanidin Süper Baz Organokatalizörü (TBD) İle Asimetrik İzopropil-Metil Glükolid ve ?-NBOC-?-Bütürolaktonun Kopolimerizasyonu, 2018 - 2018

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MERT O., Project Supported by Higher Education Institutions, Poli (Mentit)-PEG Kopolimerlerinin Sentezleri ve İsiya Karşı Davranışlarının İncelemesi, 2016 - 2017

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Scientific Refereeing

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Metrics

Publication: 80

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Non Academic Experience

Kocaeli Üniversitesi Kimya Bölümü

ODTÜ, Kimya Bölümü, Ankara

TÜBİTAK, MAM, Gebze

SETAŞ Kimya, Çerkezköy-Tekirdağ