Prof. MEHMET SAYIP EROĞLU

Personal Information

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International Researcher IDs
ScholarID: BwgnsrIAAAAJ
ORCID: 0000-0003-0742-6162
Yoksis Researcher ID: 38807

Biography

- *2006-* Professör (Marmara Üniversitesi)
- *1999* (30.Kasım.1999) Doçent (Fiziksel Kimya/Polimer Kimyası)
- 1*998* Prof. Dr. Jeffry T. Koberstein, ile doktora sonrası araştırma çalışmaları

  University of Connecticut, Institute of Materials Science, Polymer Program,

  Connecticut USA.

Çalışma Konusu "Synthesis of some surface-active block co-polymers for

creating biomimmetic smart surfaces".

Destekleyen kuruluş: NSF (National Science Foundation)

Doktora sonrası çalışmalarda, poli(sitren) bağlanma blokları (anchor blocks) ve C-C ana zinciri üzerinde asılı florokarbon ve –OH fonksiyonel grupları içeren blok kopolimerlerin sentez ve karakterizasyonunu yaptı.

- *1996* Prof. Dr. Olgun Güven ile Fiziksel Kimya anabilim Dalında Doktora

  çalışmalarını tamamladı

  Hacettepe Universitesi, Kimya Bölümü, Beytepe, Ankara.

Çalışma Konusu: "Glisidil Azid Polymerin Sentezi, Karakterizasyonu ve Çapraz Bağlanması"

Destekleyen kuruluş: Türkiye Bilimsel ve Teknik Araştırma Kurumu, TÜBİTAK.

Doktora tez çalışmalarında, yüksek performanslı katı roket yakıtı üretiminde polimerik bağlayıcı olarak ve performens arttırıcı katkı olarak kullanılan yüksek enerjili, Glisidil Azid Polymerin (GAP) sentez ve karakterizasyonunu yaptı. GAP polimerini çapraz bağlayarak termal bozunma mekanizmasını açıkladı.

- *1988* Prof. Dr. Olgun Güven ile Kimya Mühendisliğinde Yüksek Lisans çalışmalarını

tamamladı.,

Gazi Üniversitesi, Mühendislik fakültesi Kimya Mühendisliği Bölümü, Ankara.

Çalışma Konusu: "Katı Yakıtlı Roket Motorlarına Yakıt Astarı Uygulaması"

Destekleyen kuruluş:Türkiye Bilimsel ve Teknik Araştırma Kurumu, TÜBİTAK. Yüksek Lisans Çalışmalarında, katı yakıtlı roket motorlarına uygulanmak üzere yakıt astarı formülasyonları geliştirdi. Karboksil Uç Guruplu Polibutadien (CTPB) esaslı değişik çapraz bağlı sistemleri, epoksi içeren ikili çapraz bağlayıcı sistemler ile hazırlayarak mekanik ve termal karakterizasyonunu yaptı.

- *1985* Kimya Mühendisliği Lisans Eğitimini tamamladı.

Hacettepe Universitesi, Kimya Mühendisliği Bölümü, Beytepe, Ankara

Education Information

Postgraduate, Gazi University, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, Turkey 2014 - 2018
Doctorate, Hacettepe University, Fen Fakültesi, Kimya Bölümü, Turkey 1992 - 1995
Undergraduate, Hacettepe University, Kimya Fakültesi, Kimya Mühendisliği Pr., Turkey 1980 - 1985

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Glisidil azid polimerinin (GAP) sentezi karakterizasyonu ve çapraz bağlanması, Hacettepe Üniversitesi, Fen Fakültesi, Kimya Bölümü, 1995
Postgraduate, Katı yakıtlı roket motorlarına yakıt astarı uygulaması, Gazi Üniversitesi, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, 1988

Research Areas

Physical Chemistry, Engineering and Technology

Academic Titles / Tasks

Professor, Marmara University, Faculty of Engineering, Chemical Engineering, 2005 - Continues
Associate Professor, Marmara University, Faculty of Engineering, Chemical Engineering, 2003 - 2005

Academic and Administrative Experience

Marmara University, Faculty of Engineering, Chemical Engineering, 2006 - 2009

Courses

Fiziksel Kimya, Undergraduate, 2021 - 2022
Genel Kimya-2, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006, 2004 - 2005, 2003 - 2004
Genel Kimya-1, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006, 2004 - 2005

Advising Theses

EROĞLU M. S., Preparation and characterization of solid lipid nanoparticles (SLNs) for drug delivery systems, Postgraduate, A.YARGIÇ(Student), 2018
EROĞLU M. S., Preparation of cross-linked b-glucan as drug carrier, Postgraduate, A.Eyigör(Student), 2017
EROĞLU M. S., Preparation of cross-linked ß-glucan as drug carrier, Postgraduate, A.EYİGÖR(Student), 2017
EROĞLU M. S., Levan based biodegradable hydrogels for drug delivery, Postgraduate, A.OSMAN(Student), 2016
EROĞLU M. S., Preparation and characterization of gene and drug delivery systems, Doctorate, M.SENNAROĞLU(Student), 2015
EROĞLU M. S., A novel design of levan based tumour targeting nano-scale micelles, Doctorate, E.MUTLU(Student), 2014
EROĞLU M. S., Preparation and characterization of chitosan-EVA blend systems, Postgraduate, P.SARIOĞLU(Student), 2013
EROĞLU M. S., Sipn ep-resin/polyvinyl-thermoplastic, Postgraduate, B.KAHRAMAN(Student), 2013
EROĞLU M. S., Pedodontide kullanılan farklı restoratif materyallerin polimerizasyon derinliğinin karşılaştırılmalı olarak incelenmesi, Doctorate, H.ERTAY(Student), 2011
EROĞLU M. S., Surface modified CaCO3 and its use in polymer composites, Postgraduate, S.ÖZAY(Student), 2009
EROĞLU M. S., Elucidation of the state of water in hydrogels, Postgraduate, E.DEMİRCAN(Student), 2006
EROĞLU M. S., Molecular imprinting using fluorescence spectroscopy, Postgraduate, M.SENNAROĞLU(Student), 2006

Published journal articles indexed by SCI, SSCI, and AHCI

I. **Microwave assisted ring-opening polymerization of Ɛ-caprolactone using organic acids**
Ahmadova I., Tapdiqov S., EROĞLU M. S., SENNAROĞLU BOSTAN M.
Journal of Polymer Research, vol.30, no.8, 2023 (SCI-Expanded)

II. **Coating with cationic inulin enhances the drug release profile and in vitro anticancer activity of lecithin-based nano drug delivery systems**
Vatansever O., Bahadori F., Bulut S., EROĞLU M. S.
International Journal of Biological Macromolecules, vol.237, 2023 (SCI-Expanded)

III. **Thienothiophene and Triphenylbenzene Based Electroactive Conjugated Porous Polymer for Oxygen Reduction Reaction (ORR)**
Isci R., Balkan T., Tafazoli S., Sütay B., EROĞLU M. S., Öztürk T.
ACS Applied Energy Materials, vol.5, no.11, pp.13284-13292, 2022 (SCI-Expanded)

IV. **Non-covalent modification of single wall carbon nanotubes (SWCNTs) by thienothiophene derivatives**
Isci R., Baysak E., Kesan G., Minofar B., EROĞLU M. S., Duygulu O., Gorkem S. F., Öztürk T.
Nanoscale, vol.14, pp.16602-16610, 2022 (SCI-Expanded)

V. **Poly(L-lactic acid)/poly(ethylene oxide) based composite electrospun fibers loaded with magnesium-aluminum layered double hydroxide nanoparticles**
Ozturk E. A., Ege Z. R., Murat S., Erdemir G., Kuruca S., ERKMEN Z. E., Duygulu O., GÜNDÜZ O., Caykara T., EROĞLU M.

S.
International Journal of Biological Macromolecules, vol.217, pp.562-571, 2022 (SCI-Expanded)

VI. **Levan enhanced the NF-kappa B suppression activity of an oral nano PLGA-curcumin formulation in breast cancer treatment**
Eskandari Z., BAHADORİ F., YENİGÜN V. B., Demiray M., EROĞLU M. S., KOÇYİĞİT A., Oner E. T.
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, vol.189, pp.223-231, 2021 (SCI-Expanded)

VII. **Synthesis of hyaluronated poly(exo-7-oxabicyclo[2.2.1]hept-5-en-2,3-dicarboxylic anhydride) brushes via a combination of surface-initiated ring-opening metathesis polymerization and thiol-ene click reaction**
Ozturk E. A., EROĞLU M. S., ÇAYKARA T.
CHEMICAL PAPERS, vol.75, no.4, pp.1629-1638, 2021 (SCI-Expanded)

VIII. **Halomonas levan-coated phospholipid based nano-carrier for active targeting of A549 lung cancer cells**
Mutlu E. C., BAHADORİ F., Bostan M., Sarilmiser H. K., ToksoyOner E., EROĞLU M. S.
EUROPEAN POLYMER JOURNAL, vol.144, 2021 (SCI-Expanded)

IX. **Accelerated diabetic wound healing by topical application of combination oral antidiabetic agents-loaded nanofibrous scaffolds: An in vitro and in vivo evaluation study**
Cam M. E., ERTAŞ B., Alenezi H., Hazar-Yavuz A. N., Cesur S., Ozcan G. S., Ekentok C., Guler E., Katsakouli C., Demirbas Z., et al.
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, vol.119, 2021 (SCI-Expanded)

X. **Surface modification of polybenzoxazines by electrochemical hydroquinone-quinone switch**
Kaya G., Kışkan B., Isci R., EROĞLU M. S., Öztürk T., Yağcı Y.
EUROPEAN POLYMER JOURNAL, vol.142, 2021 (SCI-Expanded)

XI. **Surface characterization, electrochromic and capacitive properties of poly (N-(4-(4-thieno [3,2-b]thiophen-3-yl-phenyl) phenyl)-N-phenylbenzenamine) film**
Topal S., Sezer E., EROĞLU M. S., Öztürk T.
POLYMER, vol.209, 2020 (SCI-Expanded)

XII. **Levan-based hydrogels for controlled release of Amphotericin B for dermal local antifungal therapy of Candidiasis**
Demirci T., Haskoylu M. E., EROĞLU M. S., Hemberger J., Oner E. T.
EUROPEAN JOURNAL OF PHARMACEUTICAL SCIENCES, vol.145, 2020 (SCI-Expanded)

XIII. **Development and optimization of a novel PLGA-Levan based drug delivery system for curcumin, using a quality-by-design approach**
Bahadori F., Eskandari Z., Ebrahimi N., Sennaroğlu Bostan M., Eroğlu M. S., Toksoy Öner E.
European Journal Of Pharmaceutical Sciences, vol.138, pp.105037, 2019 (SCI-Expanded)

XIV. **Encapsulated melatonin in polycaprolactone (PCL) microparticles as a promising graft material**
Gurler E. B., Ergul N. M., Ozbek B., Ekren N., Oktar F. N., Haskoylu M. E., Oner E., Eroğlu M. S., Özbeyli D., Korkut V., et al.
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, vol.100, pp.798-808, 2019 (SCI-Expanded)

XV. **Gradient multifunctional biopolymer thin film assemblies synthesized by combinatorial MAPLE**
Mihailescu N., Haskoylu M. E., Ristoscu C., Bostan M., Sopronyi M., EROĞLU M. S., Chifiriuc M. C., Mustaciosu C. C., Axente E., Oner E. T., et al.
APPLIED SURFACE SCIENCE, vol.466, pp.628-636, 2019 (SCI-Expanded)

XVI. **Co-Culture of Keratinocyte-Staphylococcus aureus on Cu-Ag-Zn/CuO and Cu-Ag-W Nanoparticle Loaded Bacterial Cellulose:PMMA Bandages**
Altun E., Aydogdu M. O., Crabbe-Mann M., Ahmed J., Brako F., Karademir B., Aksu B., Sennaroğlu Bostan M., Eroğlu M. S., Ren G., et al.
MACROMOLECULAR MATERIALS AND ENGINEERING, vol.304, 2019 (SCI-Expanded)

XVII. **Beta-Glucan based temperature responsive hydrogels for 5-ASA delivery**

Eyigor A., Bahadori F., Yenigun V. B., EROĞLU M. S.
CARBOHYDRATE POLYMERS, vol.201, pp.454-463, 2018 (SCI-Expanded)

XVIII. **Halomonas smyrnensis as a cell factory for co-production of PHB and levan**
Tohme S., Hacıosmanoğlu G. G., Eroğlu M. S., Kasavi C., Genç S., Can Z. S., Oner E. T.
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, vol.118, pp.1238-1246, 2018 (SCI-Expanded)

XIX. **Thieno[2,3-b]thiophene based polymers: Synthesis and optoelectronic properties**
Cinar M. E., Cankaya S. T., Capan A., EROĞLU M. S., Öztürk T.
EUROPEAN POLYMER JOURNAL, vol.104, pp.72-80, 2018 (SCI-Expanded)

XX. **Novel levan and pNIPA temperature sensitive hydrogels for 5-ASA controlled release**
Osman A., Oner E. T., EROĞLU M. S.
CARBOHYDRATE POLYMERS, vol.165, pp.61-70, 2017 (SCI-Expanded)

XXI. **White Light Emitting Polymers Possessing Thienothiophene and Boron Units**
Sahin O., Cinar M. E., Tekin E., Mucur S. P., Topal S., Suna G., Eroglu M. S., Ozturk T.
CHEMISTRYSELECT, vol.2, no.10, pp.2889-2894, 2017 (SCI-Expanded)

XXII. **Sugar Based Biopolymers in Nanomedicine; New Emerging Era for Cancer Imaging and Therapy**
EROĞLU M. S., Oner E. T., Mutlu E. C., Bostan M.
CURRENT TOPICS IN MEDICINAL CHEMISTRY, vol.17, no.13, pp.1507-1520, 2017 (SCI-Expanded)

XXIII. **Copolymers Possessing Dithienothiophene and Boron for Optoelectronic Applications**
Sevinis E. B., Sahin C., Cinar M. E., EROĞLU M. S., Öztürk T.
POLYMER ENGINEERING AND SCIENCE, vol.56, no.12, pp.1390-1398, 2016 (SCI-Expanded)

XXIV. **Lecithin-acrylamido-2-methylpropane sulfonate based crosslinked phospholipid nanoparticles as drug carrier**
Mutlu E. C., Bostan M., Bahadori F., Kocyigit A., Oner E. T., EROĞLU M. S.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.133, no.42, 2016 (SCI-Expanded)

XXV. **Sulfated levan from Halomonas smyrnensis as a bioactive, heparin-mimetic glycan for cardiac tissue engineering applications**
Erginer M., Akcay A., Coskunkan B., Morova T., Rende D., Bucak S., Baysal N., Ozisik R., EROĞLU M. S., Agirbasli M., et al.
CARBOHYDRATE POLYMERS, vol.149, pp.289-296, 2016 (SCI-Expanded)

XXVI. **Creating low energy paint surface using hollow sub-micron-latex particles**
Deniz S., Arca M., Eroğlu M. S., Arca E.
PROGRESS IN ORGANIC COATINGS, vol.98, pp.14-17, 2016 (SCI-Expanded)

XXVII. **Polymerization of Thienothiophenes and Dithienothiophenes via Click-Reaction for Electronic Applications**
Buyruk A., Cinar M. E., EROĞLU M. S., Öztürk T.
CHEMISTRYSELECT, vol.1, no.12, pp.3028-3032, 2016 (SCI-Expanded)

XXVIII. **Sulfated Halomonas levan as a heparin-mimetic bioactive glycan**
Erginer M., Coskunkan B., Morova T., Rende D., Bucak S., Baysal N., Ozisik R., EROĞLU M. S., Agirbasli M., Oner E. T.
NEW BIOTECHNOLOGY, vol.33, 2016 (SCI-Expanded)

XXIX. **Corrigendum to Sequence specific recognition of ssDNA by fluorophore 3 hydroxyflavone J Photochem Photobiol B Biol 153 December 2015 391 396**
ÇAPAN A., SENNAROĞLU BOSTAN M., MOZİOĞLU E., AKÖZ M., EROĞLU M. S., ÖZTÜRK T.
Journal Of Photochemistry And Photobiology B-Biology, vol.158, pp.280, 2016 (SCI-Expanded)

XXX. **Sequence specific recognition of ssDNA by fluorophore 3-hydroxyflavone**
Capan A., Bostan M., Mozioglu E., Akoz M., Goren A. C., EROĞLU M. S., Öztürk T.
JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY B-BIOLOGY, vol.153, pp.391-396, 2015 (SCI-Expanded)

XXXI. **Comprehensive characterization of polylactide-layered double hydroxides nanocomposites as packaging materials**
Demirkaya Z. D., Sengul B., EROĞLU M. S., DİLSİZ N.
JOURNAL OF POLYMER RESEARCH, vol.22, no.7, 2015 (SCI-Expanded)

XXXII. **A New Lipid-Based Nano Formulation of Vinorelbine**

Bahadori F., Topcu G., EROĞLU M. S., Onyuksel H.
AAPS PHARMSCITECH, vol.15, no.5, pp.1138-1148, 2014 (SCI-Expanded)

XXXIII. **Combinatorial MAPLE gradient thin film assemblies signalling to human osteoblasts**
Axente E., Sima F., Sima L. E., Erginer M., EROĞLU M. S., Serban N., Ristoscu C., Petrescu S. M., Oner E. T., Mihailescu I. N.
BIOFABRICATION, vol.6, no.3, 2014 (SCI-Expanded)

XXXIV. **Comprehensive characterization of chitosan/PEO/levan ternary blend films**
Bostan M., Mutlu E. C., Kazak H., KESKİN S. S., Oner E. T., EROĞLU M. S.
CARBOHYDRATE POLYMERS, vol.102, pp.993-1000, 2014 (SCI-Expanded)

XXXV. **Controlled release of 5-aminosalicylicacid from chitosan based pH and temperature sensitive hydrogels**
Bostan M., Senol M., Cig T., PEKER İ., Goren A. C., Ozturk T., EROĞLU M. S.
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, vol.52, pp.177-183, 2013 (SCI-Expanded)

XXXVI. **Combinatorial matrix-assisted pulsed laser evaporation: Single-step synthesis of biopolymer compositional gradient thin film assemblies**
Sima F., Axente E., Sima L. E., Tuyel U., Eroglu M. S., Serban N., Ristoscu C., Petrescu S. M., Oner E. T., Mihailescu I. N.
APPLIED PHYSICS LETTERS, vol.101, no.23, 2012 (SCI-Expanded)

XXXVII. **Levan Nanostructured Thin Films by MAPLE Assembling**
Sima F., Mutlu E. C., EROĞLU M. S., Sima L. E., Serban N., Ristoscu C., Petrescu S. M., Oner E., Mihailescu I. N.
BIOMACROMOLECULES, vol.12, no.6, pp.2251-2256, 2011 (SCI-Expanded)

XXXVIII. **Dielectric properties of polymer composites filled with different metals**
Qureshi A., Mergen A., EROĞLU M. S., Singh N. L., Gulluoglu A. N.
JOURNAL OF MACROMOLECULAR SCIENCE PART A-PURE AND APPLIED CHEMISTRY, vol.45, no.6, pp.462-469, 2008 (SCI-Expanded)

XXXIX. **Surface free energy analysis of poly(HEMA)poly(perfluoroacrylate) copolymer networks**
Eroglu M. S.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.101, no.5, pp.3343-3347, 2006 (SCI-Expanded)

XL. **Surface energetics of poly(N-vinyl-2-pyrrolidone)/chitosan blend films**
Caykara T., Alaslan A., Eroglu M. S., Guven O.
APPLIED SURFACE SCIENCE, vol.252, no.20, pp.7430-7435, 2006 (SCI-Expanded)

XLI. **Surface properties of binary blend films of poly(N-vinyl-2-pyrrolidone) and poly(vinyl alcohol) with sodium alginate**
Caykara T., Demirci S., Eroglu M. S., Guven L.
JOURNAL OF POLYMER SCIENCE PART B-POLYMER PHYSICS, vol.44, no.2, pp.426-430, 2006 (SCI-Expanded)

XLII. **Poly(ethylene oxide) and its blends with sodium alginate**
Caykara T., Demirci S., Eroglu M. S., Guven O.
POLYMER, vol.46, no.24, pp.10750-10757, 2005 (SCI-Expanded)

XLIII. **Hydroxylation of pendant vinyl groups of poly(3-hydroxy undec-10-enoate) in high yield**
Eroglu M. S., Hazer B., Ozturk T., Caykara T.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.97, no.5, pp.2132-2139, 2005 (SCI-Expanded)

XLIV. **Free radical crosslinking of unsaturated bacterial polyesters obtained from soybean oily acids**
Hazer B., Demirel S., Borcakli M., Eroglu M. S., Cakmak M., Erman B.
POLYMER BULLETIN, vol.46, no.5, pp.389-394, 2001 (SCI-Expanded)

XLV. **Ceric ion initiation of methyl methacrylate from poly(glycidyl azide)-diol**
Arslan H., Eroglu M. S., Hazer B.
EUROPEAN POLYMER JOURNAL, vol.37, no.3, pp.581-585, 2001 (SCI-Expanded)

XLVI. **Surface free-energy analysis of energetic poly(glycidyl azide) networks prepared by different reactive systems**
Dogan M., Eroglu M. S., Erbil H.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.74, no.12, pp.2848-2855, 1999 (SCI-Expanded)

XLVII. **Gamma-rays induced copolymerization of vinyl triethoxy silane and methyl methacrylate: Their**

spectroscopic characterization
Caykara T., Eroglu M. S., Guven O.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.73, no.2, pp.141-147, 1999 (SCI-Expanded)

XLVIII. **Thermal and oxidative degradation of vinyl triethoxy silane - methyl methacrylate copolymers**
Caykara T., Eroglu M. S., Guven O.
POLYMER DEGRADATION AND STABILITY, vol.63, no.1, pp.65-70, 1999 (SCI-Expanded)

XLIX. **Characterization of the network structure of hydroxyl terminated poly(butadiene) elastomers prepared by different reactive systems**
Eroglu M. S.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.70, no.6, pp.1129-1135, 1998 (SCI-Expanded)

L. **Mechanical properties and water vapor permeation of vinyltriethoxysilane methyl methacrylate copolymers**
Caykara T., Eroglu M. S., Guven O.
ANGEWANDTE MAKROMOLEKULARE CHEMIE, vol.259, pp.73-76, 1998 (SCI-Expanded)

LI. **Surface free energy analysis of vinyl triethoxy silane-methyl methacrylate copolymers and their homopolymer blends**
Caykara T., Eroglu M. S., Guven O.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.69, no.8, pp.1551-1556, 1998 (SCI-Expanded)

LII. **gamma-ray induced graft copolymerization of methyl methacrylate onto poly(beta-hydroxynonanoate)**
Eroglu M. S., Caykara T., Hazer B.
POLYMER BULLETIN, vol.41, no.1, pp.53-60, 1998 (SCI-Expanded)

LIII. **Thermoanalytical life time testing of energetic poly(glycidyl azide) and its precursor, poly(epichlorodydrin)**
Eroglu M. S.
POLYMER BULLETIN, vol.41, no.1, pp.69-76, 1998 (SCI-Expanded)

LIV. **Synthesis and thermal characterization of macromonomeric azo initiator containing poly(epsilon-caprolactone): Styrene and methyl methacrylate copolymerization**
Eroglu M. S., Hazer B., Baysal B.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.68, no.7, pp.1149-1157, 1998 (SCI-Expanded)

LV. **Characterization of network structure of poly(glycidyl azide) elastomers by swelling, solubility and mechanical measurements**
Eroglu M. S., Guven O.
POLYMER, vol.39, no.5, pp.1173-1176, 1998 (SCI-Expanded)

LVI. **Spectroscopic, thermal, and mechanical characterization of carboxyl-terminated polybutadiene-based carbon black-filled networks**
Eroglu M. S., Akilli M., Guven O.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.66, no.2, pp.355-366, 1997 (SCI-Expanded)

LVII. **Determination of solubility parameters of poly(epichlorohydrin) and poly(glycidyl azide) networks**
Eroglu M. S., Baysal B., Guven O.
POLYMER, vol.38, no.8, pp.1945-1947, 1997 (SCI-Expanded)

LVIII. **Network characterization of energetic poly(glycidyl azide)**
Eroglu M. S., Guven O.
TURKISH JOURNAL OF CHEMISTRY, vol.21, no.4, pp.256-261, 1997 (SCI-Expanded)

LIX. **Thermal decomposition of poly(glycidyl azide) as studied by high-temperature FTIR and thermogravimetry**
Eroglu M. S., Guven O.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.61, no.2, pp.201-206, 1996 (SCI-Expanded)

LX. **Preparation and thermal characterization of block copolymers by macroazonitriles having glycidyl azide and epichlorohydrin moieties**
Eroglu M. S., Hazer B., Guven O., Baysal B.

JOURNAL OF APPLIED POLYMER SCIENCE, vol.60, no.12, pp.2141-2147, 1996 (SCI-Expanded)

LXI. **Synthesis and characterization of hydroxyl terminated poly(butadiene)-g-poly(glycidyl azide) copolymer as a new energetic propellant binder**
Eroglu M. S., Hazer B., Guven O.
POLYMER BULLETIN, vol.36, no.6, pp.695-701, 1996 (SCI-Expanded)

LXII. **Spectroscopic and thermal characterization of poly(glycidyl azide) converted from polyepichlorohydrin**
Eroglu M. S., Guven O.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.60, no.9, pp.1361-1367, 1996 (SCI-Expanded)

Articles Published in Other Journals

I. **Synthesis and engineering of sodium alginate/inulin core-shell nano-hydrogels for controlled-release oral delivery of 5-ASA**
Bahadori F., EROĞLU M. S., akyıl S., akınan B. S.
Organic Communications, vol.12, no.3, pp.132-142, 2019 (ESCI)

II. **Biohydrogels for medical applications: A short review**
Moukbil Y., OKTAR F. N., Ozbek B., Ficai D., Ficai A., Andronescu E., EROĞLU M. S., GÜNDÜZ O.
ORGANIC COMMUNICATIONS, vol.11, no.3, pp.123-141, 2018 (ESCI)

III. **GAP pre-polymer, as an energetic binder and high performance additive for propellants and explosives: A review**
EROĞLU M. S., Bostan M. S.
ORGANIC COMMUNICATIONS, vol.10, no.3, pp.135-143, 2017 (ESCI)

Refereed Congress / Symposium Publications in Proceedings

I. **A comparative study of polymerization depth of composite restorative materials**
ATALAR H. E., KASIMOĞLU Y., EROĞLU M. S., GENÇAY K.
26th International Congress of Turkish Society of Pediatric Dentistry, Antalya, Turkey, 10 - 13 October 2019

II. **Coincise synthesis of alkylthieno[3,2-b]thiophenes: Building blocks for organic electronics and optoelectronic materials**
ÖZTÜRK T., İlhan K. T., Topal S., EROĞLU M. S.
28th International Symposium on the Organic Chemistry of Sulfur, 26 - 31 August 2018

III. **Synthetic Studies on HNIW**
ÖZTÜRK T., EROĞLU M. S.
NTREM 2018, 18 - 20 April 2018

IV. **Fractionation of Novel Paclitaxel Nanoformulation by Ultracentrifuge**
MUTLU E., EROĞLU M. S.
11 Annual Graduate School Meeting: From Cells to Organisms: Insights into biomolecular mechanism, Münster, Germany, 26 - 28 April 2017, pp.66

V. **Mechano-chemical analysis of elastomeric glycidyl azide polymer**
EROĞLU M. S., ÖZTÜRK T.
New trends in research of energetic materials, prag, Czech Republic, 20 - 22 April 2017

VI. **Mechano-chemical analysis of elastomeric glycidyl azide polymer networks**
ÖZTÜRK T., EROĞLU M. S.
New Trends in Research of Energetic Materials, 20 April - 05 May 2017

VII. **Levan Sulfate as a Heparin mimetic Bioactive Fructan**
erginer m., EROĞLU M. S., AĞIRBAŞLI M. A., TOKSOY ÖNER E.
8th INTERNATIONAL FRUCTAN SYMPOSIUM, 26 June - 01 July 2016

VIII. **Surface characterization of chitosan PEO levan ternary blend films**
EROĞLU M. S.
The 4 th intenational symposium on surface and interface of biomaterials, 15 - 20 September 2013

IX. **Thermo mechanical and spectroscopic characterization of chitosan PEO levan ternary blend films for bioactive coatings the IV International Symposium on surface and Interface of Biomaterials**
EROĞLU M. S.
The 4 th intenational symposium on surface and interface of biomaterials, 15 - 20 September 2013

X. **Biopolymer thin films with compositional gradient synthesized by Combinatorial Matrix Assisted Pulsed Laser Evaporation Nano engineered bioactive interfaces of the E MRS 2013 Spring Meeting in Strasbourg France**
EROĞLU M. S.
Nano-engineered bioactive interfaces of the E-MRS, Strasbourg (France), 19 - 21 May 2013

XI. **Development of Active Packaging Material Conatining Natural Antimicrobial Agent Shelf Life International Conference 23 25 June 2010**
EROĞLU M. S.
Shelf Life International Conference, Zaragoza, Spain., 23 - 25 June 2010

XII. **Dielectric Behavior of Metal Polymer Composite for EMI Shielding**
QURESHI A., SINGH D., Shah S., Singh N. L., EROĞLU M. S., GÜLLÜOĞLU A. N.
DAE Symposium on Solid State Physics, Manasagangotri, Mysore, India, 27 - 31 December 2008

XIII. **AC electrical properties of poly methyl methacralate carbon black composites irradiated with 140 MeV Ag11 ions**
QURESHI A., SINGH D., SHAH S., SINGH N. L., TRIPATHI A., AVASTHI D. K., EROĞLU M. S., GÜLLÜOĞLU A. N.
15th International Conference on Surface Modification of Materials by Ion Beams (SMMIB-15), Mumbai, India, 30 September - 05 October 2007

Patent

EROĞLU M. S., Poly(thienenothiophenylborane)s and poly(dithienenothiophenylborane)s for white light emitting diodes, Patent, CHAPTER C Chemistry; Metallurgy, Standard Registration, 2018
EROĞLU M. S., Fluorophore 3-hydroxyflavone, Patent, CHAPTER C Chemistry; Metallurgy, Standard Registration, 2017
EROĞLU M. S., POLY(THIENOTHIOPHENYLBORANE)s and POLY(DITHIENOTHIOPHENEYLBORANE)s for WHITE LIGHT EMITING DIODES, Patent, CHAPTER C Chemistry; Metallurgy, Standard Registration, 2015
EROĞLU M. S., Fluorphore 3-hydroxyflavone, Patent, CHAPTER C Chemistry; Metallurgy, Standard Registration, 2015

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Publication: 89
Citation (WoS): 1294
Citation (Scopus): 1489
H-Index (WoS): 20
H-Index (Scopus): 24

Non Academic Experience

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