Prof. UFUK YILDIZ

Personal Information

Office Phone: +90 262 303 2035
Fax Phone: +90 262 303 2003
Email: uyildiz@kocaeli.edu.tr
Web: http://akademikpersonel.kocaeli.edu.tr/uyildiz/
Address: Kocaeli Üniversitesi Fen Edebiyat Fakültesi Kimya Bölümü 41001-Kocaeli

International Researcher IDs
ORCID: 0000-0002-3204-9429
Yoksis Researcher ID: 3792

Education Information

Doctorate, Karadeniz Technical University, Fen Fakültesi, Kimya, Turkey 1994 - 1998
Postgraduate, Karadeniz Technical University, Fen-Edebiyat Fakültesi, Kimya Bölümü, Turkey 1992 - 1994
Undergraduate, Karadeniz Technical University, Fen-Edebiyat Fakültesi, Kimya Bölümü, Turkey 1988 - 1992

Foreign Languages

English, C1 Advanced

Research Areas

Chemistry, Physical Chemistry, Functional Polymers, Characterization of Polymers, Polymeric Adsorbents, Polymeric Materials, Medical Applications of Polymers, Organic Chemistry, Chemistry of Macromolecules, Natural Sciences

Academic Titles / Tasks

Professor, Kocaeli University, Fen Edebiyat Fakültesi, Kimya, 2009 - Continues
Associate Professor, Kocaeli University, Fen Edebiyat Fakültesi, Kimya, 2004 - 2009
Assistant Professor, Kocaeli University, Fen Edebiyat Fakültesi, Kimya, 1998 - 2004
Research Assistant, Karadeniz Technical University, Fen-Edebiyat Fakültesi, Kimya Bölümü, 1993 - 1998

Academic and Administrative Experience

Dean, Kocaeli University, Fen Edebiyat Fakültesi, Fen Edebiyat Fakültesi, 2022 - 2023
Fen ve Mühendislik Bilimleri Etik Kurul Üyeliği, Kocaeli University, Fen Edebiyat Fakültesi, Kimya, 2020 - 2022
Head of Department, Kocaeli University, Kimya Bölümü, 2015 - 2021
Ethics Committee Member, Kocaeli University, Fen Edebiyat Fakültesi, Kimya, 2018 - 2020
Manager of Research and Application Center, Kocaeli University, Fen Edebiyat Fakültesi, Kimya, 2016 - 2019
University Executive Board Member, Kocaeli University, REKTÖRLÜK, 2016 - 2019
Kocaeli Üniversitesi, REKTÖRLÜK, 2013 - 2015

Kocaeli Üniversitesi, Fen Bilimleri Enstitüsü, 2012 - 2015
Kocaeli Üniversitesi, Fen Bilimleri Enstitüsü, Kimya Anabilim Dalı, 2012 - 2014
Kocaeli Üniversitesi, Fen-Edebiyat Fakültesi, Kimya Bölümü, 2012 - 2014
Kocaeli Üniversitesi, Yabancı Diller Yüksekokulu, 2011 - 2012
Kocaeli Üniversitesi, Yabancı Diller Yüksekokulu, 2011 - 2012
Kocaeli Üniversitesi, Fen-Edebiyat Fakültesi, Kimya Bölümü, 2009 - 2012
Kocaeli Üniversitesi, Fen-Edebiyat Fakültesi, Kimya Bölümü, 2004 - 2007

Advising Theses

Yıldız U., Silikon esaslı makroinimer varlığında yeni organojellerin sentezi, karakterizasyonu ve absorbent olarak kullanımı , Postgraduate, N.MAMMADLİ(Student), 2019
Yıldız U., Diosgenin türevi bileşiklerin ve polimerlerinin sentezi, karakterizasyonu ve antikanser çalışmalarında kullanımı, Doctorate, S.İLKAR(Student), 2019
YILDIZ U., Surface functionalized nanocrystalline cellulose based materials: Synthesis, development and evaluation for biomedical and water treatment applications, Doctorate, F.Asabuwa(Student), 2018
YILDIZ U., Biyomedikal ve çevre uygulamalarına yönelik polimerik jeller ile antikorozif kaplamaların sentezi ve karakterizasyonu, Doctorate, A.ERDEM(Student), 2017
YILDIZ U., Makroinimer varlığında yeni hidrojellerin sentezlenmesi, karakterizasyonu ve atık sulardan ağır metal iyonlarının uzaklaştırılıp geri kazanımlarında kullanılması, Postgraduate, Ö.Ferkan(Student), 2009
YILDIZ U., Metil metakrilat'ın allil alkol 1,2 bütoksilat-b-etoksilat varlığında Ce(IV)/HNO3 ile redoks polimerizasyonu, Postgraduate, Ç.YAĞCI(Student), 2003

Published journal articles indexed by SCI, SSCI, and AHCI

I. **Synthesis, characterization and evaluation of novel HIPE hydrogels: Application for treatment of hazardous waste incineration plant effluent**
Kemik O. F., YILDIZ U.
JOURNAL OF MACROMOLECULAR SCIENCE PART A-PURE AND APPLIED CHEMISTRY, vol.59, no.9, pp.613-624, 2022 (SCI-Expanded)

II. **Synthesis, Structural Analysis and Antiproliferative Activity of Nitrogen-Containing Hetero Spirostan Derivatives: Oximes, Heterocyclic Ring-Fused and Furostanes**
İlkar Erdağı S., Yıldız U.
CHEMISTRYSELECT, vol.7, no.24, 2022 (SCI-Expanded)

III. ** Synthesis of diosgenin derivatives by A and B ring modifications and low-valent titanium (Ti-0)-catalysed McMurry coupling reactions and designing to create novel biological agents **
İlkar Erdağı S., Yıldız U.
JOURNAL OF MOLECULAR STRUCTURE, vol.1256, 2022 (SCI-Expanded)

IV. **Preparation of hydrophobic macroinimer-based novel hybrid sorbents for efficient removal of organic liquids from wastewater**
Erdem A., Mammadli N., Yıldız U.
ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, vol.28, no.17, pp.22064-22076, 2021 (SCI-Expanded)

V. **Genipin crosslinked gelatin-diosgenin-nanocellulose hydrogels for potential wound dressing and healing applications**
İLKAR ERDAĞI S., Ngwabebhoh F. A., YILDIZ U.
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, vol.149, pp.651-663, 2020 (SCI-Expanded)

VI. **Pickering stabilized nanocellulose-alginate: A diosgenin-mediated delivery of quinalizarin as a potent cyto-inhibitor in human lung/breast cancer cell lines**
İlkar Erdağı S., Ngwabebhoh F. A., Yıldız U.

MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, vol.109, 2020 (SCI-Expanded)

VII. **Bioinspired modified nanocellulose adsorbent for enhanced boron recovery from aqueous media: Optimization, kinetics, thermodynamics and reusability study**
Ngwabebhoh F. A., Mammadli N., Yıldız U.
JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING, vol.7, no.5, 2019 (SCI-Expanded)

VIII. **Nature-derived fibrous nanomaterial toward biomedicine and environmental remediation: Today's state and future prospects**
Ngwabebhoh F. A., YILDIZ U.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.136, no.35, 2019 (SCI-Expanded)

IX. **Composite latex production with high solid content**
Delibas A., YILDIZ U., Tauer K.
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X. **Diosgenin-conjugated PCL-MPEG polymeric nanoparticles for the co-delivery of anticancer drugs: design, optimization, in vitro drug release and evaluation of anticancer activity**
Erdagi S., Yildiz U.
NEW JOURNAL OF CHEMISTRY, vol.43, no.17, pp.6622-6635, 2019 (SCI-Expanded)

XI. **Pyrocatechol Recovery from Aqueous Phase by Nanocellulose-Based Platelet-Shaped Gels: Response Surface Methodology and Artificial Neural Network Design Study**
Ngwabebhoh F. A., YILDIZ U.
Journal of Environmental Engineering (United States), vol.145, no.2, 2019 (SCI-Expanded)

XII. **Pickering emulsions stabilized nanocellulosic-based nanoparticles for coumarin and curcumin nanoencapsulations: In vitro release, anticancer and antimicrobial activities**
Ngwabebhoh F. A., Erdagi S., Yıldız U.
CARBOHYDRATE POLYMERS, vol.201, pp.317-328, 2018 (SCI-Expanded)

XIII. **A novel reagent-assisted mechanochemical method for nickel recovery from lateritic ore**
Cetıntas S., Yıldız U., Bingöl D.
JOURNAL OF CLEANER PRODUCTION, vol.199, pp.616-632, 2018 (SCI-Expanded)

XIV. **A design optimization study on synthesized nanocrystalline cellulose, evaluation and surface modification as a potential biomaterial for prospective biomedical applications**
Ngwabebhoh F. A., Erdem A., Yıldız U.
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, vol.114, pp.536-546, 2018 (SCI-Expanded)

XV. **A response surface modelling study for sorption of Cu2+, Ni2+, Zn2+ and Cd2+ using chemically modified poly(vinylpyrrolidone) and poly(vinylpyrrolidone-co-methylacrylate) hydrogels**
KEMIK O. F., NGWABEBHOH F. A., YILDIZ U.
ADSORPTION SCIENCE & TECHNOLOGY, vol.35, pp.263-283, 2017 (SCI-Expanded)

XVI. **Synthesis, characterization and swelling investigations of novel polyetheramine-based hydrogels**
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POLYMER BULLETIN, vol.74, pp.873-893, 2017 (SCI-Expanded)

XVII. **Novel macroporous cryogels with enhanced adsorption capability for the removal of Cu(II) ions from aqueous phase: Modelling, kinetics and recovery studies**
Erdem A., Ngwabebhoh F. A., Yıldız U.
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XVIII. **Fabrication and characterization of novel macroporous jeffamine/diamino hexane cryogels for enhanced Cu(II) metal uptake: Optimization, isotherms, kinetics and thermodynamic studies**
Erdem A., Ngwabebhoh F. A., Cetıntas S., Bingöl D., Yıldız U.
CHEMICAL ENGINEERING RESEARCH & DESIGN, vol.117, pp.122-138, 2017 (SCI-Expanded)

XIX. **Synergistic removal of Cu(II) and nitrazine yellow dye using an eco-friendly chitosan-montmorillonite hydrogel: Optimization by response surface methodology**
Ngwabebhoh F. A., Erdem A., Yıldız U.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.133, 2016 (SCI-Expanded)

XX. **Functionalized Hybrid Coatings on ABS Surfaces by PLD and Dip Coatings**
Kaçar E., Erdem A., Sanlı M. M., Kayan A., Candan L., Yıldız U., Demir A.
JOURNAL OF INORGANIC AND ORGANOMETALLIC POLYMERS AND MATERIALS, vol.26, pp.895-906, 2016 (SCI-Expanded)

XXI. **A new Schiff base: Synthesis, characterization and optimization of metal ions-binding properties**
Bilgin A., Cetıntas S., Cerrahoglu E., Yıldız U., Bingöl D.
SEPARATION SCIENCE AND TECHNOLOGY, vol.51, pp.2138-2144, 2016 (SCI-Expanded)

XXII. **Fabrication and characterization of soft macroporous Jeffamine cryogels as potential materials for tissue applications**
Erdem A., Ngwabebhoh F. A., Yıldız U.
RSC Advances, vol.6, pp.111872-111881, 2016 (SCI-Expanded)

XXIII. **Preparation of Al, Ti, Zr-perfluoroheptanoate compounds and their use in ring opening polymerization**
YALCIN G., YILDIZ U., KAYAN A.
APPLIED CATALYSIS A-GENERAL, vol.423, pp.205-210, 2012 (SCI-Expanded)

XXIV. **Tailoring polymer architectures with macromonomer azoinitiators**
YILDIZ U., Hazer B., TAUER K.
POLYMER CHEMISTRY, vol.3, no.5, pp.1107-1118, 2012 (SCI-Expanded)

XXV. **Reversible aggregation of responsive polymer-stabilized colloids and the pH-dependent formation of porous scaffolds**
Woodward R. T., Hight C., YILDIZ U., SCHAEFFER N., VALLIANT E. M., JONES J. R., STEVENS M. M., WEAVER J. V. M.
SOFT MATTER, vol.7, no.16, pp.7560-7566, 2011 (SCI-Expanded)

XXVI. **The removal of heavy metal ions from aqueous solutions by novel pH-sensitive hydrogels**
YILDIZ U., KEMIK O. F., Hazer B.
JOURNAL OF HAZARDOUS MATERIALS, vol.183, pp.521-532, 2010 (SCI-Expanded)

XXVII. **Synthesis and characterization of new metal-free and metallophthalocyanines fused alpha-methylferrocenylmethoxy units**
BİLGİN A., YAĞCI Ç., MENDI A., YILDIZ U.
JOURNAL OF INCLUSION PHENOMENA AND MACROCYCLIC CHEMISTRY, vol.67, pp.377-383, 2010 (SCI-Expanded)

XXVIII. **Kinetics and colloidal parameters of miniemulsion polymerization of butyl acrylate**
YILDIZ U., CAPEK I., SAROV Y., COROBEA M. C., POLOVKOVA J.
POLYMER INTERNATIONAL, vol.58, no.12, pp.1411-1421, 2009 (SCI-Expanded)

XXIX. **Synthesis, characterization, aggregation and thermal properties of a novel polymeric metal-free phthalocyanine and its metal complexes**
BİLGİN A., YAĞCI Ç., YILDIZ U., ÖZKAZANÇ E., TARCAN E.
POLYHEDRON, vol.28, no.11, pp.2268-2276, 2009 (SCI-Expanded)

XXX. **Synthesis and characterization of new monomeric and polymeric phthalocyanines**
BİLGİN A., YAĞCI Ç., MENDI A., YILDIZ U.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.110, no.4, pp.2115-2126, 2008 (SCI-Expanded)

XXXI. **Miniemulsion polymerization of styrene in the presence of macromonomeric initiators**
YILDIZ U., Landfester K.
POLYMER, vol.49, no.23, pp.4930-4934, 2008 (SCI-Expanded)

XXXII. **Evaluation of the (Allyl alcohol 1,2-butoxylate-blocke-toxylate)-b-PMMA copolymers composition by the dielectric measurements**
Abacı U., Guney H. Y., Yildiz U.
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XXXIII. **Inverse microemulsion copolymerization of butyl acrylate and acrylamide: kinetics, colloidal parameters and some model applications**
Yildiz U., CAPEK I., BEREK D., SAROV Y., Rangelow I. W.
POLYMER INTERNATIONAL, vol.56, no.3, pp.364-370, 2007 (SCI-Expanded)

XXXIV. **Synthesis and characterization of new polymeric phthalocyanines substituted with diaza-18-crown-6 macrocycles through ethyleneoxy bridges**
Bilgin A., Yagci C., MENDI A., Yildiz U.
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XXXV. **Novel phthalocyanine polymers with very flexible pentathiatetraethylene units**
Bilgin A., MENDI A., Yildiz U.
POLYMER, vol.47, no.26, pp.8462-8473, 2006 (SCI-Expanded)

XXXVI. **Novel network polymeric phthalocyanines: Synthesis and characterization**
BILGIN A., YAGCI C., Yildiz U.
MACROMOLECULAR CHEMISTRY AND PHYSICS, vol.206, no.22, pp.2257-2268, 2005 (SCI-Expanded)

XXXVII. **On the role of hydrophilicity and hydrophobicity in aqueous heterophase polymerization**
TAUER K., ALI A., Yildiz U., SEDLAK M.
POLYMER, vol.46, no.4, pp.1003-1015, 2005 (SCI-Expanded)

XXXVIII. **Redox polymerization of methyl methacrylate with allyl alcohol 1,2-butoxylate-block-ethoxylate initiated by Ce(IV)/HNO3 redox system**
YAGCI C., Yildiz U.
EUROPEAN POLYMER JOURNAL, vol.41, no.1, pp.177-184, 2005 (SCI-Expanded)

XXXIX. **Reactive poly(ethylene glycol)s in aqueous radical heterophase polymerization**
TAUER K., Yildiz U.
MACROMOLECULES, vol.36, no.23, pp.8638-8647, 2003 (SCI-Expanded)

XL. **The fabrication of very small miniemulsion latexes from N-stearoylglutamate and lauryl methacrylate: Evidence for droplet budding**
Yildiz U., LANDFESTER K., ANTONIETTI M.
MACROMOLECULAR CHEMISTRY AND PHYSICS, vol.204, no.16, pp.1966-1970, 2003 (SCI-Expanded)

XLI. **Microemulsion polymerization of styrene in the presence of macroinimer**
Yildiz U., Capek I.
POLYMER, vol.44, no.8, pp.2193-2200, 2003 (SCI-Expanded)

XLII. **Dispersion redox copolymerization of methyl methacrylate with macromonomeric azoinitiator as a macrocrosslinker**
Yildiz U., HAZER B.
POLYMER, vol.41, no.2, pp.539-544, 2000 (SCI-Expanded)

XLIII. **Dispersion polymerization of styrene and methyl methacrylate initiated by macromonomeric azoinitiator**
Yildiz U., HAZER B.
ANGEWANDTE MAKROMOLEKULARE CHEMIE, vol.265, pp.16-19, 1999 (SCI-Expanded)

XLIV. **Free radical crosslinking copolymerization. Gelation behavior of macromonomeric azoinitiators versus macrocrosslinkers**
Yildiz U., HAZER B.
MACROMOLECULAR CHEMISTRY AND PHYSICS, vol.199, no.2, pp.163-168, 1998 (SCI-Expanded)

XLV. **DISPERSION POLYMERIZATION OF STYRENE AND METHYL-METHACRYLATE INITIATED BY POLY(OXYETHYLENE) MACROMONOMERIC AZOINITIATORS**
YILDIZ U., HAZER B., CAPEK I.
ANGEWANDTE MAKROMOLEKULARE CHEMIE, vol.231, pp.135-144, 1995 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

I. **Poli(Diizobütil 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

II. **A new hydrometallurgical process involving mechanochemical conversion with reagent**
Çetintaş S., Bingöl D., Yıldız U.
6th International Conference and Exhibition on Materials Science and Chemistry, Rome, Italy, 17 - 18 May 2018, vol.7

III. **The Role of High-Energy Milling Applications on Leaching Performance**
Çetintaş S., Yıldız U., Bingöl D.
8th Black Sea Basin Conference on Analytical Chemistry, İstanbul, Turkey, 9 - 11 May 2018

IV. **Effect of Mechanical Activation on Acid Leaching for Nickel Recovery from Lateritic Ore: Optimization of Process Conditions**
ÇETİNTAŞ S., BİNGÖL D., YILDIZ U.
International Conference on Technology, Engineering and Science, Antalya, Turkey, 26 - 29 October 2017, pp.32

V. **Effect of mechanical activation on acid leaching for nickel recovery from latteric ore: Optimization 0f process conditions**
Cetintas S., BİNGÖL D., YILDIZ U.
Internationl conference on Technology, engineering and Science, 26 - 29 October 2017

VI. **Novel macroporous cryogels with enhanced adsorbtion capability for the removal of Cu(II) ions from aqueous phase: Modelling, kinetics and recovery studies**
YILDIZ U.
. 6th International Conference on Environmental Chemistry and Engineering, Roma, Italy, 24 - 25 July 2017

VII. **Treatment of hazardous waste incineration plant effluent by novel hydrogels**
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6th International Conference on Environmental Chemistry and Engineering, Roma, Italy, 24 - 25 July 2017

VIII. **Synergistic Removal of Cu(II) and Nitrazine Yellow Dye Using an EcoFriendlyHydrogel: Optimization by Response Surface Methodology**
Asabuwa Ngwabebhoh F., ERDEM A., YILDIZ U.
6. Fiziksel Kimya Kongresi, 15 - 18 May 2017

IX. **Yeni Nesil Makro Gözenekli İndirgenmiş Polietheramine BazlıKriyojellerin Cu (II) İyon Adsropsiyon Uygulamaları**
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X. **Yeni Nesil Makro Gözenekli İndirgenmiş Polietheramine Bazlı Kriyojellerin Cu (II) İyon Adsorpsiyon Uygulamaları**
ERDEM A., Ngwabebhoh A. F., YILDIZ U.
6. Fiziksel Kimya Kongresi, 15 - 18 May 2017

XI. **Doku İskelesi Olarak Kullanılabilecek Polyetheramine Bazlı Kriyojellerin Sentezi ve Karakterizasyonu**
ERDEM A., Asabuwa Ngwabebhoh F., YILDIZ U.
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XII. **Nanoformulations of Novel Boron Based Polyesters for Use in Drug Delivery Systems**
Arıcan M. O., Aybüke H. K., Duruksu G., Yıldız U., Kayan A., Mert O.
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XIII. **Synthesis of Poly isobutyl methyl glycolide and Poly isobutyl ethyl glycolide Polymers for Use In Drug Delivery Systems**
MERT O., vardar a., arıcan m. o., YILDIZ U., KAYAN A.
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XIV. **Syntheses and nanoformulations of novel boron based poly diisobutyl glycolide homopolymers and their copolymerswith lactide for drug delivery systems**
Arıcan M. O., Kandıra H. A., Duruksu G., Yıldız U., Kayan A., Mert O.
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XV. **Synthesis and characterization of new class of boron based asymmetric poly substituted glycolides for biomedical applications**
vardar a., arıcan m. o., YILDIZ U., KAYAN A., MERT O.

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XVI. **Synthesis and Characterization of a New Class of Boron Based Asymmetric Poly Substituted Glycolides for BiomedicalApplications**
Vardar A., Arıcan M. O., YILDIZ U., KAYAN A., MERT O.
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XVII. **Evaluations of molecular weight and reduction effects on Jeffamine glutaraldehyde cryogels for potential application as scaffolds in cartilage tissue engineering**
ERDEM A., YILDIZ U., Fahanwi A. N.
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Vardar A., Arıcan M. O., YILDIZ U., KAYAN A., MERT O.
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XX. **Polieteramine bazlı hidrojellerin şişme davranışlarının incelenmesi Çanakkale Türkiye 2015**
ERDEM A., Asabuwa F., YILDIZ U.
27. Ulusal kimya kongresi, Turkey, 23 - 28 August 2015

XXI. **Syntheses and Characterizations of Poly Diethyl Glycolide Polymers**
MEHMET ONUR A., KAYAN A., YILDIZ U., MERT O.
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XXII. **Synthesis and characterization of Jeffamine based hydrogels and investigation of Cu II ion binding properties by response surface method approach**
ERDEM A., YILDIZ U., Fahanwi A.
European Polymer Congress, 21 - 26 June 2015

XXIII. **Yeni Bir Schiff Bazı Sentezi Karakterizasyonu ve Cu II İyon Bağlama Özelliklerinin İncelenmesine Yanıt Yüzey Metodu**
Bilgin A., Çetintaş S., Cerrahoğlu E., Yıldız U., Bingöl D.
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XXIV. **Metilferrosenilmetoksi Birimleri İçeren Ftalosiyaninlerin Sentezi ve Karakterizasyonu**
BİLGİN A., YAĞCI Ç., Mendi A., YILDIZ U.
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BİLGİN A., YAĞCI Ç., YILDIZ U., ÖZKAZANÇ E., TARCAN E.
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XXVI. **Fleksible Gruplar İçeren Polimerik Ftalosiyaninlerin Sentezi ve Özelliklerinin İncelenmesi**
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XX. Ulusal Kimya Kongresi Kayseri, Turkey, 4 - 08 September 2006

XXVII. **Makrosiklik Grup İçeren Polimerik Ftalosiyaninlerin Sentezi ve Karakterizasyonu**
YAĞCI Ç., BİLGİN A., YILDIZ U., Mendi A.
XX. Ulusual Kimya Kongresi, Kayseri, Turkey, 4 - 08 September 2006

XXVIII. **Metil Metakrilat ın Allil alkol 1 2 butoksilat blok etoksilat varlığına Ce IV HNO3 ile Redoks Polimerizasyonu**
YAĞCI Ç., YILDIZ U.
XVIII. Ulusal Kimya Kongresi, Turkey, 5 - 09 July 2004

Supported Projects

Eliçora A., Duruksu G., Gündoğdu Ö., Yıldız U., Sezer H. F., Yazır Y., Gülyüz Ü., Erdem A., TUBITAK Project, Görünür ışıkta çapraz bağlanabilen kotekol fonksiyonel PEG ve Aljinatın katkılanmasıyla elde edilmiş jelatin bazlı yüksek yapışkan cerrahi sızdırmazlık malzemelerinin geliştirilmesi, 2021 - 2024
YILDIZ U., Project Supported by Higher Education Institutions, PETROL TÜREVLİ MALZEMELERİ DENİZ YÜZEYİNDEN TEMİZLEYECEK YAĞ BAZLI ORGANOJELLERİN ÇIT-ÇIT REAKSİYONUYLA SENTEZLENMESİ VE KARAKTERİZASYONU, 2017 - 2018
YILDIZ U., ERDEM A., Project Supported by Higher Education Institutions, ANTİKOROZİF POLİMERİK KAPLAMARIN PCB DEVRELERDEKİ LEHİM ÜZERİNE ETKİLERİNİN İNCELENMESİ, 2017 - 2017
YILDIZ U., Project Supported by Higher Education Institutions, Yeni Tür Hidrojellerin Sentezi,Karakterizasyonu ve atık sulardan ağır metal iyonlarının uzaklaştırılmasında kullanılması, 2011 - 2013
YILDIZ U., Project Supported by Higher Education Institutions, Güneş Enerji Sistemlerinde Kullanılmak Üzere Yeni Bir Üç Fazlı Çok Seviyeli Evirici Tasarımı, 2011 - 2013
YILDIZ U., TUBITAK Project, Atık sulardan ağır metallerin uzaklaştırılması ve geri kazanılması, 2008 - 2009
YILDIZ U., Other International Funding Programs, Preparation of nonconventional polymer dsipersions by using macromonomeric azoinitiator, 2000 - 2000

Activities in Scientific Journals

Current Applied Polymer Science, Committee Member, 2016 - Continues

Scientific Refereeing

Current Applied Polymer Science, Other journals, June 2018
Current Applied Polymer Science, Other journals, March 2018
RSC Advances, SCI Journal, March 2018
Polymer, SCI Journal, February 2018
Current Applied Polymer Science, Other journals, November 2017
Current Applied Polymer Science, Other journals, April 2017
Chemical Engineering Research and Design, SCI Journal, April 2017
Current Applied Polymer Science, Other journals, April 2017
European Polymer Journal, SCI Journal, March 2017
Journal of Applied Polymer Science, SCI Journal, February 2017
RSC Advances, SCI Journal, February 2017
European Polymer Journal, SCI Journal, February 2017
Polymer, SCI Journal, June 2016
European Polymer Journal, SCI Journal, April 2016
Current Applied Polymer Science, Other journals, April 2016
Chemical Engineering Research and Design, SCI Journal, April 2016
Current Applied Polymer Science, Other journals, April 2016
Chemical Engineering Research and Design, SCI Journal, March 2016
RSC Advances, SCI Journal, March 2016
Journal of Applied Polymer Science, SCI Journal, February 2016
Current Applied Polymer Science, Other Indexed Journal, February 2016
Polymer, Journal Indexed in SSCI, August 2015
Polymer, SCI Journal, May 2015
Polymer International, SCI Journal, April 2015
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Journal of Hazardous Materials, SCI Journal, March 2015
Macromolecular Chemistry and Physics, SCI Journal, July 2014
Journal of Applied Polymer Science, SCI Journal, June 2013
Macromolecular Chemistry and Physics, SCI Journal, March 2013
Polymer Bulletin, SCI Journal, June 2012
Polymer Jouırnal, SCI Journal, March 2012
Polymer, SCI Journal, January 2012
Journal of Hazardous Materials, SCI Journal, April 2011
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Journal of Macromolecular Science Part A: Pure and Applied Chemistry, SCI Journal, July 2008
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Polymer Bulletin, SCI Journal, March 2008
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Journal of Macromolecular Science Part A: Pure and Applied Chemistry, SCI Journal, February 2007
Polymer, SCI Journal, February 2007
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Macromolecular Chemistry and Physics, SCI Journal, April 2003
Polymer, SCI Journal, April 2002
European Polymer Journal, SCI Journal, February 2002
Polymer, SCI Journal, February 2002
Polymer, SCI Journal, January 2002

Metrics

Publication: 75

Citation (WoS): 992
Citation (Scopus): 1066
H-Index (WoS): 19
H-Index (Scopus): 19

Congress and Symposium Activities

Effect of Mechanical Activation on Acid Leaching for Nickel Recovery from Lateritic Ore: Optimization of Process Condition, Attendee, Antalya, Turkey, 2017
Treatment of hazardous waste incineration plant effluent by novel hydrogels, Attendee, Rome, Italy, 2017
Novel macroporous cryogels with enhanced adsorbtion capability for the removal of Cu(II) ions from aqueous phase: Modelling, kinetics and recovery studies, Attendee, Rome, Italy, 2017
Synthesis and characterization of Diels-Alder mediated poly(ethylene glycol) based hydrogels, Attendee, Ghent, Belgium, 2017
Evaluations of molecular weight and reduction effects on Jeffamine-glutaraldehyde cryogels for potential application as scaffolds in cartilage tissue engineering, Attendee, İstanbul, Turkey, 2016
Synthesis and characterization of a new class of boron based asymmetric poly(substiueted glycolides) for biomedial applications, Attendee, Turkey, 2016
Syntheses and nanoformulations of novel boron based poly(diisobutyl glycolide) homopolymers and their copolymers with lactide for drug delivery systems, Attendee, Turkey, 2016
Characterization of grafted pH and thermo responsive hydrogels synthesized by ring opening polymerization of polyethyleneoxide bis(glycidyl ether) with monoamino and diamino Jeffamine series, Attendee, Stockholm, Sweden, 2016
Synthesis of poly(isobutyl- methyl glycolide) and poly(isobutyl-ethyl glycolide) polymers for use in drug delivery systems, Attendee, Turkey, 2016
Nanoformulations of novel boron based polyesters for use in drug delivery systems, Attendee, Turkey, 2016
Syntheses and characterizations of poly(diethyl glycolide) polymers, Attendee, Dresden, Germany, 2015
Synthesis and characterization of Jeffamine based hydrogels and investigation of Cu (II) ion binding properties by response surface method approach, Attendee, Dresden, Germany, 2015
Characterization and Cu (II) ion binding properties of porous hydrogels synthesized from different types of jeffamine molecules, Attendee, İstanbul, Turkey, 2015
Removal and recovery of heavy metal ions from wastewater, Attendee, Dresden, Germany, 2009
Preparation of vitamin C minidroplets via miniemulsion polymerization and their encapsulation by poly(methyl methacrylate), Attendee, Antalya, Turkey, 2007
On the role of hydrophilicty and hyrdrophobicity in aqueous heterophase polymerization, Attendee, Lyon, France, 2004
Electrostatically-and sterically-stabilized microemulsion polymerization of styrene in the presence of macroinimer, Attendee, Munich, Germany, 2003
The dispersion polymerization of unsaturated monomers initiated by the macromonomeric initiator, Attendee, Bratislava, Slovakia, 2001
Dispersion polymerization of styrene and methyl methacrylate initiated by poly(oxyethylene) macromonomeric azoinitiators, Attendee, İstanbul, Turkey, 1995

Scholarships

YÖK Öğretim Üyesi Bursu, YOK, 2011 - Continues
Ziyaretçi Öğretim Üyesi, Other International Organizations, 2008 - Continues
Max Planck Society Bursu, Other International Organizations, 2003 - Continues
TÜBİTAK-NATO B1 Bursu, NATO, 2001 - Continues
TÜBİTAK Münir Birsel Vakfı Bursu, TUBITAK, 1996 - Continues

Non Academic Experience

TÜBİTAK-MAM
Max Planck Institute
University of Liverpool
Max Planck Institute
Slovak Academy of Sciences