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Kişisel Bilgiler

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Yoksis Araştırmacı ID: 6377

Eğitim Bilgileri

Doktora, Ankara Üniversitesi, Fen Bilimleri Enstitüsü, Kimya (Dr), Türkiye 1992 - 1998

Yüksek Lisans, Ankara Üniversitesi, Fen Bilimleri Enstitüsü, Kimya (YI) (Tezli), Türkiye 1989 - 1992

Lisans, Ankara Üniversitesi, Fen Fakültesi, Kimya Bölümü, Türkiye 1985 - 1989

Yabancı Diller

İngilizce, C1 İleri

Yaptığı Tezler

Doktora, Polimer kaplı elektrodlar üzerinde anilin elektrokimyasal polimerizasyonu, Ankara Üniversitesi, Fen Bilimleri Enstitüsü, Kimya (Dr), 1998

Yüksek Lisans, Tek katlı poli (etilen teraftalat) liflere vinil monomerlerinin aşılınması, Ankara Üniversitesi, Fen Bilimleri Enstitüsü, Kimya (YI) (Tezli), 1992

Araştırma Alanları

Kimya, Fizikokimya

Akademik Unvanlar / Görevler

Prof. Dr., Ankara Üniversitesi, Fen Fakültesi, Kimya Bölümü, 2009 - Devam Ediyor

Doç. Dr., Ankara Üniversitesi, Fen Fakültesi, Kimya Bölümü, 2003 - 2009

Araştırma Görevlisi, Ankara Üniversitesi, Fen Fakültesi, Kimya Bölümü, 1989 - 2003

Verdiği Dersler

KİM357 Fizikokimya Laboratuvarı, Lisans, 2018 - 2019

CHM215 Physical Chemistry I, Lisans, 2018 - 2019
CHM245 Introduction to Polymer Chemistry, Lisans, 2018 - 2019
KİM215 Fizikokimya I, Lisans, 2018 - 2019
CHM101 General Chemistry I, Lisans, 2018 - 2019, 2016 - 2017
KİM432 Kauçuk Kimyası ve Teknolojisi, Lisans, 2018 - 2019
Polimerlerin Analizi ve Karakterizasyonu, Yüksek Lisans, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009
General Chemistry I, Lisans, 2017 - 2018
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FİZİKOKİMYA II, Lisans, 2015 - 2016, 2014 - 2015
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TEMEL KİMYA, Lisans, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006, 2004 - 2005
ELEKTROİLETKEN POLİMERLER, Yüksek Lisans, 2015 - 2016
KAUÇUK KİMYASI, Lisans, 2014 - 2015
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Fizikokimya-II, Lisans, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010
Kauçuk Kimyası ve Teknolojisi, Lisans, 2013 - 2014, 2012 - 2013, 2011 - 2012
Fizikokimya-I, Lisans, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010

Yönetilen Tezler

KARAKIŞLA M., Glisidil metakrilat ve p-fenilendiaminin poliakrilonitril lif yüzeylerine aşılması ile yüzey özellikleri geliştirilmiş aşı kopolimer liflerin hazırlanması, karakterizasyonu ve bazı özelliklerinin incelenmesi, Yüksek Lisans, N.SEVEN(Öğrenci), 2020
KARAKIŞLA M., 2-hidroksietil metakrilat monomerinin akrilik tekstil liflerine aşılması ve aşılama ile modifiye edilmiş lif özelliklerindeki değişimlerin incelenmesi, Yüksek Lisans, M.BARUT(Öğrenci), 2019
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SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- Exploring Waste Wool Derived-Keratin Nanofiber Architectures on Cotton Fabrics: Electrospinning Strategies for Enhanced Material Properties**
Basbug B., Beycan B., KALKAN ERDOĞAN M., KARAKIŞLA M., SAÇAK M.
ACS APPLIED POLYMER MATERIALS, cilt.6, sa.13, ss.7417-7429, 2024 (SCI-Expanded)
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Nonwoven Composite as an Electromagnetic Interference Shield Material

Beycan B., Kalkan Erdoğan M., Karakışla M., Saçak M.

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- III. **Design of Silk Fabric Surface with Enhanced Antiseptic Properties through Graft Modification and Iodophor Integration**
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Macromolecular Chemistry and Physics, cilt.225, sa.13, ss.1-17, 2024 (SCI-Expanded)
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Başbuğ B., Kalkan Erdoğan M., Karakışla M., Saçak M.
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- V. **Easily Applicable Heterogeneous Catalyst from Sustainable Resources: Anchoring of Pd Nanoparticles onto Chemically Poly(2-amino thiophenol)-Modified Wool Fabrics**
Basbug B., Erdogan M., KARAKIŞLA M., SAÇAK M.
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- VI. **Successive Chemical Modification of Poly(acrylonitrile) Fibers with Glycidyl Methacrylate and Poly(p-phenylenediamine)/Ag Particles for an Efficient Antibacterial Activity**
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FIBERS AND POLYMERS, cilt.23, sa.3, ss.589-600, 2022 (SCI-Expanded)
- VII. **Deposition of electrically-conductive polyaniline/ferrite nanoparticles onto the polypropylene nonwoven for the development of an electromagnetic interference shield material**
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- VIII. **The hydrophilic modification of acrylic textile fibers by grafting of 2-hydroxyethyl methacrylate and investigation of the imparted properties**
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- IX. **Investigation of antibacterial properties of polyacrylonitrile fibers modified by new functional groups and silver nanoparticles**
Okay Z., Kalkan Erdoğan M., Karaca B., Karakışla M., Saçak M.
TURKISH JOURNAL OF CHEMISTRY, cilt.46, ss.1137-1151, 2022 (SCI-Expanded)
- X. **Hydrophobic modification of kaolinite by coating with the conductive polythiophene and investigation of the usability as the environmental-based sensors**
Gunay M., KALKAN ERDOĞAN M., KARAKIŞLA M., SAÇAK M.
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- XI. **Preparation of hydrophilic woven fabrics: Surface modification of poly(ethylene terephthalate) by grafting of poly(vinyl alcohol) and poly(vinyl alcohol)-g-(N-vinyl-2-pyrrolidone)**
Kalkan Erdoğan M., Akdemir O., Hamitbeyli A., Karakışla M.
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- XII. **Improvement of the adhesion of conductive poly(m-toluidine) onto chemically reduced-wool fabrics**
KALKAN ERDOĞAN M., KARAKIŞLA M., SAÇAK M.
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- XIII. **Morphologically different silver particles decorated- conductive poly(o-anisidine)/wool fabric composites and investigation of catalytic activity in reduction of methylene blue**
KALKAN ERDOĞAN M., KARAKIŞLA M., SAÇAK M.
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- XIV. **Preparation and characterization of electrically semi-conductive polyfuran-coated poly(ethylene terephthalate) fibers**
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- XV. **Highly effective and recoverable Pd(II) catalyst immobilized on thermally stable Schiff base polymer containing phenol group: Production, characterization and application in Suzuki coupling reactions**
BARAN N. Y., BARAN T., MENTEŞ A., KARAKIŞLA M., SAÇAK M.
JOURNAL OF ORGANOMETALLIC CHEMISTRY, cilt.866, ss.87-94, 2018 (SCI-Expanded)
- XVI. **Polypyrrole and silver particles coated poly(ethylene terephthalate) nonwoven composite for electromagnetic interference shielding**
KALKAN ERDOĞAN M., KARAKIŞLA M., SAÇAK M.
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- XVII. **Fabrication of poly(o-Anisidine)/Ag particles coated poly(ethylene terephthalate) nonwoven composite and investigation of antibacterial activity**
KALKAN ERDOĞAN M., KARAKIŞLA M., SAÇAK M.
POLYMER COMPOSITES, cilt.39, 2018 (SCI-Expanded)
- XVIII. **Synthesis and characterization of conductive poly(o-anisidine)/talc composite**
ANAKLI D., Cetinkaya S., KARAKIŞLA M., Sacak E.
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- XIX. **Synthesis, characterization, conductivity and antimicrobial study of a novel thermally stable polyphenol containing azomethine group**
Baran N. Y., Karakışla M., Demir H. Ö., Saçak M.
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- XX. **Conductive poly(o-anisidine)/poly(ethylene terephthalate) nonwoven composite: Investigation of synthesis parameters and electromagnetic shielding effectiveness**
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- XXI. **Conductive polyaniline-polythiophene/poly(ethylene terephthalate) composite fiber: Effects of pH and washing processes on surface resistivity**
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- XXII. **Polypyrrole/Natural Zeolite Composite Prepared by In Situ Oxidative Polymerization: Thermal and Humidity Sensing Properties**
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- XXIII. **Synthesis and characterization of poly(N-Ethyl aniline) / talc composite materials**
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- XXIV. **Preparation and characterization of conductive polypyrrole/kaolinite composites**
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- XXV. **Potassium persulfate-mediated preparation of conducting polypyrrole/polyacrylonitrile composite fibers: Humidity and temperature-sensing properties**
Acar H., KARAKIŞLA M., SAÇAK M.
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- XXVI. **Electrorheological properties of polyaniline/K-feldspar conducting composite**
EROL Ö., KARAKIŞLA M., Unal H. I., SAÇAK M.
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- XXVII. **Preparation of poly(o-toluidine)/polyacrylonitrile composite fibres using CrO₃**
Üçhöyük C., KARAKIŞLA M., SAÇAK M.
Indian Journal of Fibre and Textile Research, cilt.37, sa.2, ss.120-126, 2012 (SCI-Expanded)
- XXVIII. **Preparation, Characterization and Electromagnetic Shielding Effectiveness of Conductive Polythiophene/Poly(ethylene terephthalate) Composite Fibers**

KALKAN ERDOĞAN M., KARAKIŞLA M., SAÇAK M.

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- XXIX. **Preparation and characterization of conducting poly(ethylene terephthalate)/polypyrrole composite fibers**
AYDIN A., KARAKIŞLA M., SAÇAK M.
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- XXX. **Conducting polyaniline/kaolinite composite: Synthesis, characterization and temperature sensing properties**
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- XXXI. **Conductive polyaniline/polyacrylonitrile composite fibers: Effect of synthesis parameters on polyaniline content and electrical surface resistivity**
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- XXXII. **Polyaniline grafted polyacrylonitrile conductive composite fibers for reversible immobilization of enzymes: Stability and catalytic properties of invertase**
BAYRAMOĞLU G., KARAKIŞLA M., Altıntaş B., Metin A. U., SAÇAK M., Arica M. Y.
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- XXXIII. **Synthesis of Poly(o-toluidine) in DMF/Water Mixture Using Benzoyl Peroxide**
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- XXXIV. **The preparation and characterization of conductive poly(ethylene terephthalate)/polyaniline composite fibers using benzoyl peroxide**
Cetin E., KARAKIŞLA M., SAÇAK M.
FIBERS AND POLYMERS, cilt.9, sa.3, ss.255-262, 2008 (SCI-Expanded)
- XXXV. **Preparation of methacrylamide grafted and dye-ligand immobilized PET fibers: Studies of adsorption and purification of lysozyme**
KARAKIŞLA M., Bayramoglu G., Arica M. Y.
JOURNAL OF APPLIED POLYMER SCIENCE, cilt.108, sa.5, ss.3313-3323, 2008 (SCI-Expanded)
- XXXVI. **Preparation of poly(ethylene terephthalate)-g-methacrylamide copolymers initiated by azobisisobutyronitrile: Characterization and investigation of some properties**
Alakara S., KARAKIŞLA M., SAÇAK M.
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- XXXVII. **Conductive potassium feldspar/polyaniline composites prepared by in situ chemical polymerization**
Cetinkaya S., KARAKIŞLA M., Oezer A., SAÇAK M.
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- XXXVIII. **Graft copolymerization of an itaconic acid/acrylamide monomer mixture onto poly(ethylene terephthalate) fibers with benzoyl peroxide**
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- XXXIX. **Graft polymerization of methacrylamide onto poly(ethylene terephthalate) fibers with benzoyl peroxide as initiator and their characterization**
Ogun N., Karakışla M., Aksu L., Sacak M.
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- XL. **The chemical synthesis of conductive polyaniline doped with dicarboxylic acids**
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- XLI. **The adsorption of Cu(II) ion from aqueous solution upon acrylic acid grafted poly(ethylene**

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Karakisla M.

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- XLII. **Conductive composite films prepared using undoped polyaniline and poly(methyl methacrylate)**
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- XLIII. **Polypyrrole/polyaniline conductive films obtained electrochemically on polycarbonate-coated platinum electrodes**
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- XLIV. **The chemical synthesis of conductive polyaniline by using benzoyl peroxide**
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- XLV. **The preparation of polyaniline/polypyrrole conductive polymer films on polycarbonate-coated Pt electrodes**
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- XLVI. **Grafting of ethyl acrylate onto monofilament polyester fibers using benzoyl peroxide**
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- XLVII. **316 Steel electrode coated with polycarbonate for electropolymerization of aniline**
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- L. **Conductive polyaniline poly(methyl methacrylate) films obtained by electropolymerization**
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- LI. **Synthesis and properties of oxalic acid-doped polyaniline**
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Diğer Dergilerde Yayınlanan Makaleler

- I. **Preparation of a Clay Composite Containing Poly(o-toluidine) and Halloysite, and Examining of Its Performance as a Humidity Sensor**
Kalkan Erdoğan M., Karakişla M.
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- II. **Simultaneous deposition of poly(O-anisidine) and noble ag particles on wool fabric and the evaluation of its performance as a catalyst in dye reduction**
KALKAN ERDOĞAN M., KARAKIŞLA M.
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- III. **Synthesis and characterization of poly(o-toluidine)/kaolinite conductive composites for humidity and temperature sensing**
BORAN F., Cetinkaya S., KARAKIŞLA M., SAÇAK M.

IV. **Geliştirilmiş elektrik iletkenliğine sahip POT/Na-Feldsipat iletken kompozitlerinin sentezlenmesi ve karakterizasyonu**

BORAN F., ÇETİNKAYA S., ANAKLI D., ŞAHİN M., SAÇAK M.

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Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **Surface Functionalization of Cotton Fabrics with Modified Bamboo Cellulose-Based Biopolymers Through Electrospinning Technique**
Başbuğ B., Kalkan Erdoğan M., Yurdakök Dikmen B., Yangın S., Kıymacı M. E., Karakışla M., Saçak M.
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- II. **Revolutionizing Textile Properties: A Study on the Electrospinning of Biocompatible Polymer Blend onto Cotton Fabric**
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- III. **Preparation and Characterization of Biocompatible Materials From Keratin-based Nanofibers by Electro-Spinning Method**
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- IV. **Development of an Easily Applicable Heterogeneous Catalyst by Anchoring Palladium and Gold Nanoparticles onto Chemically-Modified Wool Fabrics**
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- V. **Synthesis of conductive poly(o-ethoxyaniline)/talc composite and investigation of its properties**
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- VI. **Ag Particles Deposition on Polyacrylonitrile Fibers Grafted By Acrylamide, Acrylamide-Itaconic Acid and Acrylamide-Maleic Acid**
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- VII. **Electromagnetic Shielding Effectiveness Performances of Wool Fabric Composites Differently Coated with Conductive Polyaniline Derivatives and Noble Ag Particles**
KALKAN ERDOĞAN M., ŞAHİN M., SAÇAK M.
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- VIII. **Preparation of Conductive Polyaniline/Metacryloyl Modified-Poly(Vinyl Alcohol) Thin Films and Investigation of Their Usability in the Reduction of Morphologically Different Ag Particles**
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- IX. **The Preparation of Ag Particles Deposited and Acrylic Acid Grafted Polyacrylonitrile Fiber Composite and Its Antibacterial Properties**
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- X. **Modification and Characterization of Poly(acrylonitrile) Fibers by Grafting of Acrylic Acid**
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- XI. **The Modification of Surface of Polyacrylonitrile Fiber by Grafting of Glycidyl Methacrylate Monomer**
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