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Publons / Web Of Science ResearcherID: ABD-2324-2020

ScopusID: 56250747600

Yoksis Researcher ID: 29098

Education Information

Doctorate, Firat University, Institute Of Science, Kimya, Turkey 1991 - 1995

Postgraduate, Inonu University, Fen-Edebiyat Fakültesi, Kimya, Turkey 1989 - 1991

Undergraduate, Ataturk University, Fen Edebiyat Fakültesi, Kimya, Turkey 1984 - 1988

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Alkil metakrilatların fiziksel ve termodinamik özelliklerinin incelenmesi, Firat University, Fen Bilimleri Enstitüsü, Kimya, 1995

Postgraduate, Bazı polimerlerin değişik fiziksel özelliklerinin belirlenmesi, Inonu University, Fen Bilimleri Enstitüsü, Kimya, 1991

Research Areas

Chemistry, Physical Chemistry, Conductive Polymers, Polymeric Materials, Thermodynamics, Natural Sciences

Academic Titles / Tasks

Professor, Canakkale Onsekiz Mart University, Fen Fakültesi, Kimya, 2007 - Continues

Associate Professor, Canakkale Onsekiz Mart University, Fen Fakültesi, Kimya, 2002 - 2007

Assistant Professor, Canakkale Onsekiz Mart University, Fen Fakültesi, Kimya, 1999 - 2002

Research Assistant, Kahramanmaraş Sutcu Imam University, Faculty Of Arts And Sciences, Department Of Chemistry, 1993 - 1999

Research Assistant, Van Yüzüncü Yıl University, Fen Fakültesi, Kimya Bölümü, 1989 - 1993

Academic and Administrative Experience

Head of Department, Canakkale Onsekiz Mart University, Fen Fakültesi, Kimya, 2014 - 2020

Director of the Center, Canakkale Onsekiz Mart University, Fen Fakültesi, Kimya, 2007 - 2015

Director of The Institution, Canakkale Onsekiz Mart University, Fen Fakültesi, Kimya, 2011 - 2013

BAP Coordinator, Canakkale Onsekiz Mart University, Fen Fakültesi, Kimya, 2011 - 2013

Canakkale Onsekiz Mart University, Fen Fakültesi, Kimya, 2009 - 2012

BAP Coordinator, Canakkale Onsekiz Mart University, Fen Fakültesi, Kimya, 2004 - 2008

Deputy Head of Department, Canakkale Onsekiz Mart University, Fen Fakültesi, Kimya, 2002 - 2006

Courses

Polimer Kimyasına Giriş, Undergraduate, 2019 - 2020

Fizikokimya-I, Undergraduate, 2020 - 2021

Bazı Enstrümental Yöntemler ve Uygulamaları-I, Postgraduate, 2019 - 2020

Polimer Teknolojisi-II, Doctorate, 2018 - 2019

Termal Analiz Yöntemleri, Undergraduate, 2019 - 2020

Bazı Enstrümental Yöntemler ve Uygulamaları-II, Postgraduate, 2018 - 2019

Genel Kimya-II, Undergraduate, 2017 - 2018

Polimer Teknolojisi-I, Doctorate, 2018 - 2019

Genel Kimya-I, Undergraduate, 2017 - 2018

Advising Theses

Kaya İ., Konjuge Poli(Azometin)lerin Sentezi ve Optik, Elektrokimyasal, Termal, Fiziksel Özelliklerinin Belirlenmesi , Doctorate, R.NİLAY(Student), Continues

Kaya İ., Karbazol ve Pirol Birimleri İçeren İletken Polimerlerin Sentezi ve Karakterizasyonu, Doctorate, A.Çağlar(Student), Continues

Kaya İ., Triazin Birimi İçeren Poli(azometin)lerin Sentezi ve Karakterizasyonu, Postgraduate, M.CİCİGÜL(Student), 2023

Kaya İ., Benzotiyazol birimleri içeren imin polimerlerinin sentezi ve karakterizasyonu, Postgraduate, E.DİNÇER(Student), 2022

Kaya İ., Naftalen birimi içeren poli(fenoksi-imin)lerin sentezi, karakterizasyonu ve elektrokimyasal özellikleri, Postgraduate, B.AKYÜZ(Student), 2020

KAYA İ., Kitosan birimi içeren iletken kompozitlerin sentezi ve uygulama alanlarının incelenmesi, Doctorate, A.Ömer(Student), 2019

KAYA İ., İmin ve Kalkon yan gruplar taşıyan metakrilat polimerlerinin sentezi, termal, elektriksel ve biyolojik özellikleri, Doctorate, A.SOLMAZ(Student), 2019

Kaya İ., İmin ve eterik temelli ikincil yapı birimi içeren kafes yapıların sentezi, karakterizasyonu ve uygulama alanlarının belirlenmesi, Postgraduate, R.ELA(Student), 2019

Kaya İ., Çelikhane baca tozundan çinko oksit ve çinkonun (ZnO/Zn) ayrıştırılması, Postgraduate, İ.ARDA(Student), 2018

Kaya İ., İletken polimer tabanlı cıva sensörleri, Postgraduate, A.KARAÖNDER(Student), 2017

Kaya İ., Tiyazol birimleri içeren imin polimerlerinin sentezi ve karakterizasyonu, Postgraduate, E.SOLAK(Student), 2017

Kaya İ., Naftalen birimi içeren imin polimerlerinin sentezi ve karakterizasyonu, Postgraduate, F.ZEHRA(Student), 2016

Kaya İ., İmin bağı içeren hidrojenlerin sentezi ve karakterizasyonu, Postgraduate, B.AYTEN(Student), 2016

Kaya İ., Fenotiyazin birimi içeren polimerlerin sentezi ve karakterizasyonu, Postgraduate, R.NİLAY(Student), 2016

KAYA İ., Piridin ve pirimidin grupları içeren polifenollerin sentezi ve karakterizasyonu, Doctorate, H.KARAER(Student), 2015

KAYA İ., Ana zincirinde azometin bağı içeren poliesterlerin sentezi, karakterizasyonu ve termal özellikleri, Doctorate, K.TEMİZKAN(Student), 2014

KAYA İ., Ana zincirinde azometin bağı içeren poliüretanların sentezi ve karakterizasyonu, Doctorate, M.KAMACI(Student), 2014

Kaya İ., Metil ve hidroksil grupları içeren imin polimerlerinin sentezi ve karakterizasyonu, Postgraduate, Z.FULYA(Student), 2014

Kaya İ., Poli (Sikloheksil metakrilat) ve poli (Benzil metakrilat)'ın invers gaz kromatografisi ile termodinamik özelliklerinin belirlenmesi, Postgraduate, Ç.YİĞİT(Student), 2013

Kaya İ., Perilaldehit ile aminopiridinlerin kondenzasyon tepkimeleri ve radikalik polimerizasyonları, Postgraduate, T.PÜSKÜL(Student), 2013

Kaya İ., Fenolik grup içeren imin polimerlerinin sentezi ve termal özellikleri, Postgraduate, S.ÇÖPÜR(Student), 2013

KAYA İ., Karbazol birimi içeren kopolimerlerin sentezi, karakterizasyonu ve elektrokromik özellikleri, Doctorate, A.AYDIN(Student), 2012

KAYA İ., İmin ve amin grupları içeren aromatik bileşiklerin katalitik/oksidatif polimerizasyonla sentezi ve karakterizasyonu, Doctorate, D.BAHÇECİ(Student), 2012

KAYA İ., Poli (aminotiyazol)ler ve azometin türevlerinin sentezi ve karakterizasyonu, Doctorate, M.YILDIRIM(Student), 2012

Kaya İ., Karbazol birimi içeren imin polimerlerinin sentezi ve karakterizasyonu, Postgraduate, M.HAKAN(Student), 2012

Kaya İ., Alifatik etoksisilan grubu içeren imin polimerlerinin sentezi ve karakterizasyonu, Postgraduate, M.ESMA(Student), 2012

Kaya İ., Alifatik metilsilan grubu içeren imin polimerlerinin sentezi ve karakterizasyonu, Postgraduate, N.ÇITAKOĞLU(Student), 2012

Kaya İ., Bazı aromatik bileşiklerin oksidatif polikondenzasyon reaksiyonu ile sentezi ve karakterizasyonu, Postgraduate, B.SÜLEYMAN(Student), 2012

Kaya İ., İzopropil ve tert-bütül grupları içeren aromatik imin polimerlerinin sentezi ve karakterizasyonu, Postgraduate, M.GÖKPINAR(Student), 2011

Kaya İ., Bazı aromatik amin bileşikleriyle 2,4-dihidroksi-benzaldehitin imin polimerlerinin sentezi ve karakterizasyonu, Postgraduate, Ş.KESKİN(Student), 2011

Kaya İ., Aromatik birim içeren azometin polimerlerinin sentezi ve karakterizasyonu, Postgraduate, T.YILMAZ(Student), 2011

Kaya İ., Ana zincirinde hetero atom içeren imin polimerlerinin sentez ve karakterizasyonu, Postgraduate, K.TEMİZKAN(Student), 2011

KAYA İ., Azometin içeren epoksi reçinelerin sentezi ve karakterizasyonu, Doctorate, M.GÜL(Student), 2010

KAYA İ., Fonksiyonel poliazometinlerin sentezi ve karakterizasyonu, Doctorate, S.ÇULHAOĞLU(Student), 2010

Kaya İ., İmin grubu içeren poliüretanların sentezi ve karakterizasyonu, Postgraduate, A.AVCI(Student), 2010

Kaya İ., Alifatik diizosiyanat bileşiğinden türetilen poli(azometin-üretan)ların sentezi ve karakterizasyonu, Postgraduate, M.KAMACI(Student), 2010

Kaya İ., Piridin birimleri içeren imin polimerlerinin sentezi ve karakterizasyonu, Postgraduate, S.DABAN(Student), 2010

KAYA İ., İmin içeren oligomer bileşiklerinin sentezi, karakterizasyonu ve bazı fiziksel özellikleri, Doctorate, S.KOÇA(Student), 2009

Kaya İ., Alifatik ve aromatik grup içeren imin polimerlerinin sentezi ve karakterizasyonu, Postgraduate, S.UYSAL(Student), 2009

Kaya İ., Flor, klor ve metoksi grupları içeren aromatik amin bileşiklerinin oligomerlerinin sentezi, karakterizasyonu, termal ve iletkenlik özellikleri, Postgraduate, A.AYDIN(Student), 2008

Kaya İ., 4-[(o-tolilimino)metil]fenol ve 4-[(p-tolilimino)metil]fenol'ün azometin polimerlerinin sentezi ve karakterizasyonu, Postgraduate, M.YILDIRIM(Student), 2007

Kaya İ., Oligo-2-[(4-bromfenil)iminometil]fenol'ün sentezi, optimum reaksiyon şartları ve termal özellikleri, Postgraduate, A.SOLGUNTEKİN(Student), 2005

Kaya İ., 2-[(pridin-2-il-metilen)amino] pridin-3-ol'ün sentezi, polimerizasyonu ve bazı fiziksel özelliklerinin incelenmesi, Postgraduate, S.ÇULHAOĞLU(Student), 2005

Kaya İ., Oligo-2-[(piridin-4-il-metilen)amino] piridin-3-ol'ün sentezi ve karakterizasyonu, Postgraduate, M.GÜL(Student), 2005

Kaya İ., Oligo-N-4-aminopiridinil salisilaldimin'in oksidatif polikondenzasyon ile sentezi ve özelliklerinin belirlenmesi, Postgraduate, S.KOYUNCU(Student), 2003

Kaya İ., Oligo-N-2-amino-3-hidroksipridin ve onun Schiff bazı oligomerlerinin optimum reaksiyon şartları ve termal özelliklerinin belirlenmesi, Postgraduate, S.KOÇA(Student), 2003

Kaya İ., 2-hidroksibenzaldehit ile 2-aminopiridin schiff bazı reaksiyonu ve oksidatif polikondenzasyonu, Postgraduate, N.CİHANGİROĞLU(Student), 2002

Kaya İ., Oligo 3-aminopiridin schiff bazının sentezi ve özelliklerinin incelenmesi, Postgraduate, R.GÜLEL(Student), 2001

Kaya İ., Oligo 2-hidroksi-1-naftaldehit schiff bazı oligomerlerinin sentez ve özelliklerinin incelenmesi, Postgraduate, D.ŞENOL(Student), 2001

Kaya İ., Oligosalisilik asitin sentezi, sentez şartları ve özelliklerinin incelenmesi, Postgraduate, D.BAGANA(Student), 2001

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Synthesis of pyrene and pyrrole-appended fluorescent turn-off sensor toward Cr(VI) detection: Chemical oxidative and electrochemical polymerization of carboxamide**
Kaya İ., Karacan Yeldir E., Kolcu F., Erdener D.
Journal of Photochemistry and Photobiology A: Chemistry, vol.449, 2024 (SCI-Expanded)
- II. **The preparation and characterization of poly(acrylamide) hydrogel embedded chitosan/polypyrrole nanoparticle for methyl orange removal**
Yaşar A. Ö., Kaya İ.
POLYMER BULLETIN, vol.81, no.5, pp.4237-4255, 2024 (SCI-Expanded)
- III. **Investigation of electrochemical, optical, and thermal properties via oligomerization of aminophenol monomer containing halogen and nitro groups using two distinct oxidants**
Yeldir E. K., KOLCU F., KAYA İ.
Reactive and Functional Polymers, vol.193, 2023 (SCI-Expanded)
- IV. **Synthesis, characterization, thermal and electrochemical properties of poly (phenoxy-imine)s containing benzothiazole unit**
Kaya İ., Dinçer E., Yağmur H. K.
POLYMER BULLETIN, vol.81, no.10, pp.1-24, 2023 (SCI-Expanded)
- V. **Synthesis and characterization of cage structured flame resistant melamine and pentaerythritol based polymer networks**
KAYA İ., İriş R. E., Yağmur H. K.
Journal of Polymer Research, vol.30, no.10, 2023 (SCI-Expanded)
- VI. **Synthesis, characterization, photophysical and surface properties of poly(amino naphthalene) and its poly(azomethine) compound**
KAYA İ., Akyüz B., Özel Ş.
Journal of Applied Polymer Science, vol.140, no.27, 2023 (SCI-Expanded)
- VII. **Synthesis and investigation of bis(phenyl)fluorene and carbazole appended dipodal Schiff base for fluorescence sensing towards Sn(II) ion and its regioselective polymerization**
KOLCU F., Çulhaoğlu S., KAYA İ.
Journal of Photochemistry and Photobiology A: Chemistry, vol.441, 2023 (SCI-Expanded)
- VIII. **Influence of the enzymatic and the chemical oxidative polymerization of trifluoromethyl-substituted aromatic diamine on thermal and photophysical properties**
SÖYÜT H., KOLCU F., KAYA İ., Yaşar A. Ö.
Polymers for Advanced Technologies, vol.34, no.4, pp.1293-1306, 2023 (SCI-Expanded)
- IX. **Chitosan based hybrid hydrogels for drug delivery: Preparation, biodegradation, thermal, and**

mechanical properties

KAMACI M., KAYA İ.

POLYMERS FOR ADVANCED TECHNOLOGIES, vol.34, no.2, pp.779-788, 2023 (SCI-Expanded)

- X. **Synthesis, characterization, reaction conditions, conductivity and thermal properties of poly(phenoxy-imine)s containing methoxy unit**
KAYA İ., Koça S., Yağmur H. K.
Journal of Molecular Structure, vol.1272, 2023 (SCI-Expanded)
- XI. **Synthesis and Characterization of a Carbazole-Based Schiff Base Capable of Detection of Al³⁺ in Organic/Aqueous Media**
Erdener D., KAYA İ.
JOURNAL OF FLUORESCENCE, vol.32, no.6, pp.2097-2106, 2022 (SCI-Expanded)
- XII. **Fabrication of biodegradable hydrogels based on chitosan and poly(azomethine-urethane) containing phenyl triazine for drug delivery**
Kamaci M., KAYA İ.
POLYMERS FOR ADVANCED TECHNOLOGIES, vol.33, no.9, pp.2645-2655, 2022 (SCI-Expanded)
- XIII. **The monomers and polymers of azomethine-based thiocarbohydrazones: Fluorescent activities, fluorescence quantum yields of polymers in water and DMF solutions**
KAYA İ., Temizkan K., Kaya Y., Ercag A.
MATERIALS SCIENCE AND ENGINEERING B-ADVANCED FUNCTIONAL SOLID-STATE MATERIALS, vol.282, 2022 (SCI-Expanded)
- XIV. **Carbazole-based Schiff base: A sensitive fluorescent "turn-on" chemosensor for recognition of Al(III) ions in aqueous-alcohol media**
KOLCU F., KAYA İ.
ARABIAN JOURNAL OF CHEMISTRY, vol.15, no.7, 2022 (SCI-Expanded)
- XV. **Synthesis, characterization, thermal and kinetic properties of chalcone methacrylamide polymers containing halogen group in side chain**
Solmaz A., İlter Z., Kaya İ.
POLYMER BULLETIN, vol.79, no.7, pp.5041-5061, 2022 (SCI-Expanded)
- XVI. **Ni(II), Zn(II), and Fe(III) complexes derived from novel unsymmetrical salen-type ligands: preparation, characterization and some properties**
Dilmen Portakal E., Kaya Y., Demirayak E., Karacan Yeldir E., Ercag A., KAYA İ.
JOURNAL OF COORDINATION CHEMISTRY, vol.75, no.5-6, pp.611-628, 2022 (SCI-Expanded)
- XVII. **Facile one-pot synthesis of water-soluble conjugated polymers derived from 7-amino-4-hydroxy-2-naphthalenesulfonic acid: Synthesis and photoluminescence properties**
KAYA İ., Akyuz B., KOLCU F., Soyut H.
REACTIVE & FUNCTIONAL POLYMERS, vol.175, 2022 (SCI-Expanded)
- XVIII. **Synthesis, characterization and investigation of fluorescent Sn²⁺ probe potential of pyrene-derived monomer and its oligo(azomethine) compound**
Karacan E., Kaya İ.
EUROPEAN POLYMER JOURNAL, vol.172, 2022 (SCI-Expanded)
- XIX. **Synthesis and characterization and some properties of conjugated imine bonding polymers containing pyridine and vinyl units**
KAYA İ., PÜSKÜL T., Yagmur H. K.
JOURNAL OF POLYMER RESEARCH, vol.29, no.4, 2022 (SCI-Expanded)
- XX. **Synthesis of poly(4-aminosalicylic acid) through enzymatic and oxidative polycondensation by H₂O₂ oxidant**
Kaya İ., Yagmur H. K.
IRANIAN POLYMER JOURNAL, vol.31, no.2, pp.199-214, 2022 (SCI-Expanded)
- XXI. **The green synthesis of oligo(azomethine)s based on p-anisidine and o-anisidine: reaction conditions, electrochemical and thermal properties**
KAYA İ., Koca S., Yagmur H. K.

JOURNAL OF MACROMOLECULAR SCIENCE PART A-PURE AND APPLIED CHEMISTRY, vol.59, no.12, pp.849-862, 2022 (SCI-Expanded)

- XXII. **Synthesis and characterization of a pyrene-based Schiff base and its oligomer: Investigation of fluorescent Cr³⁺ probe**
Yeldir E., Erdener D., KAYA İ.
Reactive and Functional Polymers, vol.170, 2022 (SCI-Expanded)
- XXIII. **Enzyme Catalyzed Synthesis of Water Soluble Mesalazine Oligomers and Evaluation of their Efficiency in Polypropylene Stabilization**
Bilici A., Cogal Y., Gecibesler I. H., Kaya İ.
POLYMER SCIENCE SERIES B, vol.63, no.6, pp.710-721, 2021 (SCI-Expanded)
- XXIV. **Investigation of horseradish peroxide and hydrogen peroxide mediated synthesis of amino-functional oligomers: Characterization and fluorescence study**
KOLCU F., KAYA İ.
SYNTHETIC METALS, vol.280, 2021 (SCI-Expanded)
- XXV. **Comparative study on oxidative and enzyme catalyzed oxidative polymerization of aminophenol compound containing dihalogen**
KAYA İ., Yeldir E. K.
JOURNAL OF POLYMER RESEARCH, vol.28, no.10, 2021 (SCI-Expanded)
- XXVI. **Preparation of biodegradable, and pH-sensitive poly(azomethine)-chitosan hydrogels for potential application of 5-fluoro uracil delivery**
Kamaci M., KAYA İ.
EUROPEAN POLYMER JOURNAL, vol.158, 2021 (SCI-Expanded)
- XXVII. **Synthesis of phosphate and silane-based conjugated polymers derived from bis-azomethine: Photophysical and thermal characterization**
Culhaoglu S., KOLCU F., KAYA İ.
REACTIVE & FUNCTIONAL POLYMERS, vol.166, 2021 (SCI-Expanded)
- XXVIII. **Synthesis, Characterization, Thermal Behavior, and Dielectric Properties of Methacrylate Polymers Containing Imine Bonding**
Solmaz A., İlter Z., Kaya İ.
JOURNAL OF ELECTRONIC MATERIALS, vol.50, no.9, pp.5348-5358, 2021 (SCI-Expanded)
- XXIX. **Synthesis, characterization, and investigation of some properties of the new symmetrical bisimine Ni(II), Zn(II), and Fe(III) complexes derived from the monoimine ligand**
Portakal E. D., Kaya Y., Demirayak E., Yeldir E., Ercag A., Kaya İ.
APPLIED ORGANOMETALLIC CHEMISTRY, vol.35, no.8, 2021 (SCI-Expanded)
- XXX. **Synthesis and characterization of poly(urethane)/silver composites via in situ polymerization**
Yagmur H. K., KAYA İ.
POLYMER COMPOSITES, vol.42, no.6, pp.2704-2716, 2021 (SCI-Expanded)
- XXXI. **A Novel Sensitive and Selective Amperometric Detection Platform for the Vanillin Content in Real Samples**
Karakaya S., Kaya İ.
ELECTROANALYSIS, vol.33, no.6, pp.1615-1622, 2021 (SCI-Expanded)
- XXXII. **Synthesis and multicolor, photophysical, thermal, and conductivity properties of poly(imine)s**
Kaya İ., Solak E., Kamaci M.
Journal of the Taiwan Institute of Chemical Engineers, vol.123, pp.328-337, 2021 (SCI-Expanded)
- XXXIII. **Synthesis, characterization and thermal properties of chalcone methacrylamide polymers containing methoxy group in side chain**
Solmaz A., İlter Z., Kaya İ.
JOURNAL OF POLYMER RESEARCH, vol.28, no.6, 2021 (SCI-Expanded)
- XXXIV. **Synthesis and characterization of magnetic ZnCl₂-activated carbon produced from coconut shell for the adsorption of methylene blue**
Yagmur H. K., KAYA İ.

- XXXV. **Synthesis and characterization of a highly selective turn-on fluorescent chemosensor for Sn²⁺ derived from diimine Schiff base**
Kolcu F., Erdener D., Kaya İ.
SYNTHETIC METALS, vol.272, 2021 (SCI-Expanded)
- XXXVI. **An electrochemical detection platform for selective and sensitive voltammetric determination of quercetin dosage in a food supplement by poly(9-(2-(pyren-1-yl)ethyl)-9H-carbazole) coated indium tin oxide electrode**
KARAKAYA S., KAYA İ.
POLYMER, vol.212, 2021 (SCI-Expanded)
- XXXVII. **Synthesis and characterization of Schiff base, Co(II) and Cu(II) metal complexes and poly(phenoxy-imine)s containing pyridine unit**
KAYA İ., Daban S., Senol D.
INORGANICA CHIMICA ACTA, vol.515, 2021 (SCI-Expanded)
- XXXVIII. **Synthesis, characterization, thermal and band gap values of poly(azomethine-ether)s containing aromatic and aliphatic group**
Culhaoglu S., Kaya İ.
JOURNAL OF MACROMOLECULAR SCIENCE PART A-PURE AND APPLIED CHEMISTRY, vol.57, no.12, pp.876-887, 2020 (SCI-Expanded)
- XXXIX. **Synthesis, characterization, thermal and electrochemical features of poly (phenoxy-imine)s containing pyridine and pyrimidine units**
Yagmur H. K., Kaya İ., Aydin H.
JOURNAL OF POLYMER RESEARCH, vol.27, no.12, 2020 (SCI-Expanded)
- XL. **Synthesis and characterization of new polymers derived from 2-methyl-m-phenylenediamine as an effective adsorbent for cationic dye removal**
Yagmur H. K., KAYA İ.
ARABIAN JOURNAL OF CHEMISTRY, vol.13, no.11, pp.8183-8199, 2020 (SCI-Expanded)
- XL1. **Synthesis and characterization of poly(3,5-diaminobenzoic acid) via enzymatic and oxidative polymerization and application in methylene blue adsorption**
KAYA İ., Yagmur H. K.
JOURNAL OF MOLECULAR STRUCTURE, vol.1216, 2020 (SCI-Expanded)
- XLII. **Synthesis and electrochemical properties of chitosan-polyphenol composites**
Kaya İ., Ayten B., Yaşar A. Ö.
REACTIVE & FUNCTIONAL POLYMERS, vol.154, 2020 (SCI-Expanded)
- XLIII. **A Schiff base based on triphenylamine and thiophene moieties as a fluorescent sensor for Cr (III) ions: Synthesis, characterization and fluorescent applications**
KOLCU F., ERDENER ÇIRALI D., KAYA İ.
INORGANICA CHIMICA ACTA, vol.509, 2020 (SCI-Expanded)
- XLIV. **Synthesis, structure analysis, investigation of conductivity, thermal properties of polyphenol derivatives containing a rhodanine moiety and their Cu(II), VO(IV) complexes**
Kaya İ., Erçağ A., Culhaoglu S.
INORGANICA CHIMICA ACTA, vol.508, 2020 (SCI-Expanded)
- XLV. **A study of the chemical and the enzyme-catalyzed oxidative polymerization of aromatic diamine bearing chlor substituents, pursuant to structural, thermal and photophysical properties**
KOLCU F., KAYA İ.
EUROPEAN POLYMER JOURNAL, vol.133, 2020 (SCI-Expanded)
- XLVI. **Synthesis of soluble poly(azomethine)s containing thiophene and their fluorescence quantum yields**
Temizkan K., KAYA İ.
POLYMER BULLETIN, vol.77, no.6, pp.3287-3303, 2020 (SCI-Expanded)
- XLVII. **Biodegradable and antibacterial poly(azomethine-urethane)-chitosan hydrogels for potential drug delivery application**

- Kamacı M., Kaya İ.
POLYMERS FOR ADVANCED TECHNOLOGIES, vol.31, no.4, pp.898-908, 2020 (SCI-Expanded)
- XLVIII. **Synthesis and antioxidant activities of phenolic Schiff base monomers and polymers**
Yuksel E., Bilici A., Geçibesler İ. H., Kaya İ.
CANADIAN JOURNAL OF CHEMISTRY, vol.98, no.3, pp.151-157, 2020 (SCI-Expanded)
- XLIX. **Fluorescence quantum yields and chromatic properties of poly(azomethine)s containing pyridine ring**
Temizkan K., KAYA İ.
MATERIALS SCIENCE AND ENGINEERING B-ADVANCED FUNCTIONAL SOLID-STATE MATERIALS, vol.252, 2020 (SCI-Expanded)
- L. **Poly(azomethine-imide)s containing siloxane moities: Optical, thermal, mechanical, and morphological properties**
KAYA İ., Kannaci M.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.137, no.6, 2020 (SCI-Expanded)
- LI. **Synthesis, characterization and quantum yields of multichromic poly(azomethine)s containing carbazole unit**
Kaya İ., Kilavuz E., Temizkan K.
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V. Ulusal Polimer Bilim ve Teknoloji Kongresi, Invited Speaker, Tokat, Turkey, 2014

III. Fiziksel Kimya Günleri, Invited Speaker, Balıkesir, Turkey, 2012

Awards

KAYA İ., 10. Yıl Anısına Bilim Ödülü, Çanakkale Onsekiz Mart Üniversitesi, November 2002