

## Prof. AKIN AKDAĞ

### Personal Information

Office Phone: [+90 312 210 3236](tel:+903122103236)

Fax Phone: [+90 312 210 3200](tel:+903122103200)

Email: [aakdag@metu.edu.tr](mailto:aakdag@metu.edu.tr)

Web: <https://avesis.metu.edu.tr/aakdag>

### International Researcher IDs

ScholarID: YEGHTWIAAAAJ

ORCID: 0000-0002-0058-905X

Publons / Web Of Science ResearcherID: A-7063-2010

ScopusID: 8732809800

Yoksis Researcher ID: 158675

### Education Information

Doctorate, Auburn University, Kimya , United States Of America 2000 - 2005

Postgraduate, Middle East Technical University, Faculty of Arts and Sciences, Department of Chemistry, Turkey 1997 - 1999

Undergraduate, Middle East Technical University, Faculty of Education, Matematik Ve Fen Bilimleri Eğitimi Bölümü, Turkey 1993 - 1997

### Dissertations

Doctorate, Synthesis and Conformational studies of purine nucleoside analogues, Auburn University, Kimya , 2005

Postgraduate, Studies on synthesis of novel alfa pyrone derivatives, Middle East Technical University, Faculty of Arts and Sciences, Department of Chemistry, 1999

### Research Areas

Boron Chemistry, Separation Methods, fluorimetry, Infrared Spectroscopy, Raman Spectroscopy, Spectroscopical Methods, Thermal Methods, Surface Analysis, Amino Acids, Bioorganic Chemistry, Fatty acids, Electrochemistry, Functional Polymers, Chemical Kinetics, Chemical and Physical Balance, Quantum Mechanics, Characterization of Polymers, New Technologies in Polymer Chemistry, Polymeric Adsorbents, Polymeric Films, Polymeric Complexes, Polymeric Materials, Medical Applications of Polymers, Recycling of Polymers, Spectroscopy, Surface Chemistry, Coordination Chemistry, Novel Ligands, Organic Chemistry, Chemistry of Aromatic Compounds, Chemistry of Asymmetric Synthesis, Plant Chemistry, Chemistry of Dyes and Pigments, Chemistry of Natural Products, Chemistry of Heterocyclic Compounds, Chemistry of Hydrocarbons, Chemistry of Carbanion, Carbon Chemistry, Carbohydrate Chemistry, Chemistry of Macromolecules, Photochemistry of Organics, Organic Reaction Mechanisms, Organic Spectroscopy, Organometallics, Free Radicals, Stereochemistry and Conformational Analysis

### Academic Titles / Tasks

Professor, Middle East Technical University, Faculty of Arts and Sciences, Department of Chemistry, 2020 - Continues

Associate Professor, Middle East Technical University, Faculty of Arts and Sciences, Department of Chemistry, 2015 - 2020

Assistant Professor, Middle East Technical University, Faculty of Arts and Sciences, Department of Chemistry, 2012 - 2015

## Academic and Administrative Experience

Board Member, Middle East Technical University, Graduate School of Natural and Applied Sciences, 2017 - Continues  
Middle East Technical University, Bilim, Teknoloji, Mühendislik Ve Matematik Eğitimi Uygulama Ve Araştırma Merkezi, 2016 - Continues

Deputy Head of Department, Middle East Technical University, Faculty of Arts and Sciences, Department of Chemistry, 2017 - 2018

## Advising Theses

AKDAĞ A., Synthesis and chiroptical properties of a-chiral 2,5-diaminoterephthalates, Postgraduate, D.BAYKAL(Student), 2022

AKDAĞ A., Synthesis of dodecaborate dianions and their use in stabilizing aryl diazo compounds, Postgraduate, F.NUR(Student), 2022

AKDAĞ A., From design to synthesis and from structure to function: Helical polymers, Doctorate, G.ÇALIŞGAN(Student), 2022

AKDAĞ A., Design and syntheses of potentially CPL exhibiting chiral coumarin derivatives, Postgraduate, B.VERDA(Student), 2022

AKDAĞ A., Studies on dodecaborate dianion and carborate anion amination and their use in stabilization of aryldiazonium cations, Postgraduate, O.ÜNVER(Student), 2022

AKDAĞ A., Studies on chiroptical properties of 2-carboxy-5,6- benzocoumarin: Effect of side chain, Doctorate, P.ÖZTÜRK(Student), 2022

AKDAĞ A., Studies on closo-dodecaborate dianion derivatives uses in catalytic reactions, Postgraduate, O.ALBAYRAK(Student), 2021

AKDAĞ A., Studies on chiral spiropyran derivatives, Postgraduate, B.ŞENTÜRK(Student), 2021

AKDAĞ A., Synthesis of azobenzene containing macrocycles, Postgraduate, E.HOŞGÖR(Student), 2021

AKDAĞ A., Studies on utilization of new fluorescent compounds in chiral discrimination, Doctorate, D.Tan(Student), 2020

AKDAĞ A., Synthesis of tempo containing chiral polymers for kinetic resolution of secondary alcohols., Postgraduate, E.Ayç(Student), 2020

AKDAĞ A., Synthesis of carborane derivatives for characterization of carbocations, Postgraduate, S.DOĞAN(Student), 2019

AKDAĞ A., Studies on all polymeric oxidation methods, Postgraduate, P.ÖZTÜRK(Student), 2016

DOĞAN Ö., AKDAĞ A., Studies towards synthesis of urea containing helical polymers, Postgraduate, G.ÇALIŞGAN(Student), 2016

AKDAĞ A., GÖKMEN A., Design, synthesis, and characterization of potential self-sorting compounds through differential solvation, Postgraduate, G.TEKİN(Student), 2016

AKDAĞ A., Antimicrobial Modifications of Poly(ether sulfone) membrane, Postgraduate, E.NUR(Student), 2016

AKDAĞ A., Studies towards green oxidation of alcohols with visible light, Postgraduate, K.AKKAŞ(Student), 2014

TEZCANER A., AKDAĞ A., Development and characterization of silk fibroin and citrus pectin based scaffolds for bone tissue engineering, Postgraduate, S.ATAOL(Student), 2014

AKDAĞ A., Stereoselective oxidation of sulfides to sulfoxides by N-chloramines, Postgraduate, H.İPEK(Student), 2014

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **A New Ratio-Metric pH Probe, "ThiAKS Green" for Live-Cell pH Measurements**  
Akyol A., Baykal D., AKDAĞ A., Sensoy O., SON Ç. D.  
PHOTONIC SENSORS, vol.13, no.1, 2023 (SCI-Expanded)
- II. **Effect of tetraethylene glycol side chain conformation on chiroptical properties of chirality-induced benzocoumarin**  
ÖZTÜRK P., AKDAĞ A.  
JOURNAL OF PHYSICAL ORGANIC CHEMISTRY, vol.36, no.2, 2023 (SCI-Expanded)
- III. **Amino Acid Conjugated Spiropyrans: Synthesis and Photoisomerization Studies**  
ŞENTÜRK B., Akdag A.  
CHEMISTRYSELECT, vol.7, no.33, 2022 (SCI-Expanded)
- IV. **Synthesis of azobenzene-containing macrocycles exhibiting unexpected fluorescence**  
Hosgor E., AKDAĞ A.  
CHEMICAL PAPERS, vol.76, no.6, pp.3891-3898, 2022 (SCI-Expanded)
- V. **Boron Cage Triggered Micellization of a Neutral-Cationic Block Copolymer and Preparation of Boron-Containing Layer-by-Layer Microparticles**  
Aydemir U., Ugur E., Ermis C., Aydemir F. N., Ozdemir E., Banerjee S., Yildirim E., Akdağ A., Erel Göktepe I.  
ACS Applied Polymer Materials, vol.4, no.5, pp.3448-3461, 2022 (SCI-Expanded)
- VI. **Effect of the donor units on the properties of fluorinated acceptor based systems**  
Çakal D., Akdağ A., Cihaner A., Önal A. M.  
Dyes and Pigments, vol.185, 2021 (SCI-Expanded)
- VII. **Chiral Polyurea from Tartaric Acid Derived and Lysine Backbone: A Synthetic and Computational Study**  
ÜNAY G., YILDIRIM E., AKDAĞ A.  
CHEMISTRYSELECT, vol.5, no.42, pp.13358-13369, 2020 (SCI-Expanded)
- VIII. **New TEMPO containing polymers for all polymeric oxidation procedure**  
ÖZTÜRK P., YÜCEL E. A., AKDAĞ A.  
JOURNAL OF POLYMER RESEARCH, vol.27, no.2, 2020 (SCI-Expanded)
- IX. **Synthesis of New Flexible Coumarin Dimers for Sodium and Potassium Differentiation**  
TAN D., AKDAĞ A.  
JOURNAL OF FLUORESCENCE, vol.30, no.1, pp.27-34, 2020 (SCI-Expanded)
- X. **Structure and photophysics of indigoids for singlet fission: Cibalackrot**  
Ryerson J. L., Zaykov A., Suarez L. E. A., Havenith R. W. A., Stepp B. R., Dron P. I., Kaleta J., Akdag A., Teat S. J., Magnera T. F., et al.  
JOURNAL OF CHEMICAL PHYSICS, vol.151, no.18, 2019 (SCI-Expanded)
- XI. **Investigation of Fluorine Atom Effect on Benzothiadiazole Acceptor Unit in Donor Acceptor Donor Systems**  
Çakal D., Boztas Y., Akdağ A., Önal A. M.  
JOURNAL OF THE ELECTROCHEMICAL SOCIETY, vol.166, 2019 (SCI-Expanded)
- XII. **Fabrication of functionalized citrus pectin/silk fibroin scaffolds for skin tissue engineering**  
Türkkan S., Atila D., Akdağ A., Tezcaner A.  
JOURNAL OF BIOMEDICAL MATERIALS RESEARCH PART B-APPLIED BIOMATERIALS, vol.106, pp.2625-2635, 2018 (SCI-Expanded)
- XIII. **Modification of poly(ether sulfone) for antimicrobial ultrafiltration membranes**  
Simsek E. N., Akdağ A., Çulfaz Emecen P. Z.  
POLYMER, vol.106, pp.91-99, 2016 (SCI-Expanded)
- XIV. **Regioselectivity observed in manganese(III) acetate mediated addition of acetylacetone to various alkenes: mechanistic and theoretical studies**  
Ceyhan S., Cetinkaya Y., AKDAĞ A., BALCI M.  
TETRAHEDRON, vol.72, no.43, pp.6815-6824, 2016 (SCI-Expanded)
- XV. **Excitation Localization/Delocalization Isomerism in a Strongly Coupled Covalent Dimer of 1,3-Diphenylisobenzofuran**

- Schrauben J. N., AKDAĞ A., Wen J., Havlas Z., Ryerson J. L., Smith M. B., Michl J., Johnson J. C.  
JOURNAL OF PHYSICAL CHEMISTRY A, vol.120, no.20, pp.3473-3483, 2016 (SCI-Expanded)
- XVI. **Effect of Thiophene Units on the Properties of Donor Acceptor Type Monomers and Polymers Bearing Thiophene-Benzothiadiazole- Scaffolds**  
Cansu-Ergun E. G., AKBAYRAK M., AKDAĞ A., ÖNAL A. M.  
JOURNAL OF THE ELECTROCHEMICAL SOCIETY, vol.163, no.10, 2016 (SCI-Expanded)
- XVII. **ENANTIOSELECTIVE OXIDATION OF THIOANISOLE TO METYL PHENYL SULFOXIDE BY CHIRAL COMPOUNDS BEARING N-Cl BOND**  
İPEK H., AKDAĞ A.  
PHOSPHORUS SULFUR AND SILICON AND THE RELATED ELEMENTS, vol.190, no.8, pp.1285-1293, 2015 (SCI-Expanded)
- XVIII. **Covalent Dimers of 1,3-Diphenylisobenzofuran for Singlet Fission: Synthesis and Electrochemistry**  
Akdag A., Wahab A., Beran P., Rulisek L., Dron P. I., Ludvik J., Michl J.  
JOURNAL OF ORGANIC CHEMISTRY, vol.80, no.1, pp.80-89, 2015 (SCI-Expanded)
- XIX. **Synthesis of New Thienylene Pyrrole Monomers and Their Electropolymerizations**  
Eken S., Carbas B. B., AKDAĞ A., ÖNAL A. M.  
JOURNAL OF THE ELECTROCHEMICAL SOCIETY, vol.161, no.14, 2014 (SCI-Expanded)
- XX. **Oxidation of Primary Alcohols to Aldehydes with N-Halamine-Containing Polymers**  
AKDAĞ A., ÖZTÜRK P.  
SYNLETT, vol.24, no.18, pp.2451-2453, 2013 (SCI-Expanded)
- XXI. **Evidence for an Intermediate in the Methylation of CB11H12- with Methyl Triflate: Comparison of Electrophilic Substitution in Cage Boranes and in Arenes**  
Kaleta J., Akdag A., Crespo R., Piqueras M., Michl J.  
CHEMPLUSCHEM, vol.78, no.9, pp.1174-1183, 2013 (SCI-Expanded)
- XXII. **Toward Designed Singlet Fission: Solution Photophysics of Two Indirectly Coupled Covalent Dimers of 1,3-Diphenylisobenzofuran**  
Johnson J. C., Akdag A., Zamadar M., Chen X., Schwerin A. F., Paci I., Smith M. B., Havlas Z., Miller J. R., Ratner M. A., et al.  
JOURNAL OF PHYSICAL CHEMISTRY B, vol.117, no.16, pp.4680-4695, 2013 (SCI-Expanded)
- XXIII. **The 16 CB11(CH3)(n)(CD3)(12-n)(center dot) Radicals with 5-Fold Substitution Symmetry: Spin Density Distribution in CB11Me12 center dot**  
Kaleta J., Tarabek J., Akdag A., Pohl R., Michl J.  
INORGANIC CHEMISTRY, vol.51, no.20, pp.10819-10824, 2012 (SCI-Expanded)
- XXIV. **Search for a Small Chromophore with Efficient Singlet Fission: Biradicaloid Heterocycles**  
Akdag A., Havlas Z., Michl J.  
JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, vol.134, no.35, pp.14624-14631, 2012 (SCI-Expanded)
- XXV. **Highly Branched Polypropylene via Li+-Catalyzed Radical Polymerization**  
Braunecker W. A., Akdag A., Boon B. A., Michl J.  
MACROMOLECULES, vol.44, no.6, pp.1229-1232, 2011 (SCI-Expanded)
- XXVI. **Singlet Exciton Fission for Solar Cell Applications Energy Aspects of Interchromophore Coupling**  
Greyson E. C., Stepp B. R., Chen X., Schwerin A. F., Paci I., Smith M. B., Akdag A., Johnson J. C., Nozik A. J., Michl J., et al.  
JOURNAL OF PHYSICAL CHEMISTRY B, vol.114, no.45, pp.14223-14232, 2010 (SCI-Expanded)
- XXVII. **Mechanism of Photolytic Decomposition of N-Halamine Antimicrobial Siloxane Coatings**  
Kocer H. B., Akdag A., Worley S. D., Acevedo O., Broughton R. M., Wu Y.  
ACS APPLIED MATERIALS & INTERFACES, vol.2, no.8, pp.2456-2464, 2010 (SCI-Expanded)
- XXVIII. **Toward Designed Singlet Fission: Electronic States and Photophysics of 1,3-Diphenylisobenzofuran**  
Schwerin A. F., Johnson J. C., Smith M. B., Sreearunothai P., Popovic D., Cerny J., Havlas Z., Paci I., Akdag A., MacLeod M. K., et al.  
JOURNAL OF PHYSICAL CHEMISTRY A, vol.114, no.3, pp.1457-1473, 2010 (SCI-Expanded)
- XXIX. **Electrospun polyacrylonitrile nanofibrous biomaterials**  
Ren X., Akdag A., Zhu C., Kou L., Worley S. D., Huang T. S.

- JOURNAL OF BIOMEDICAL MATERIALS RESEARCH PART A, no.2, pp.385-390, 2009 (SCI-Expanded)
- XXX. **N-Halamine-coated cotton for antimicrobial and detoxification applications**  
Ren X, Akdag A, Kocer H. B., Worley S. D., Broughton R. M., Huang T. S.  
CARBOHYDRATE POLYMERS, vol.78, no.2, pp.220-226, 2009 (SCI-Expanded)
- XXXI. **Effect of Alkyl Derivatization on Several Properties of N-Halamine Antimicrobial Siloxane Coatings**  
Kocer H. B., Akdag A., Ren X., Broughton R. M., Worley S. D., Huang T. S.  
INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH, vol.47, no.20, pp.7558-7563, 2008 (SCI-Expanded)
- XXXII. **Carbocyclic 4'-epi-formycin**  
Zhou J., Yang M., Akdag A., Wang H., Schneller S. W.  
TETRAHEDRON, vol.64, no.2, pp.433-438, 2008 (SCI-Expanded)
- XXXIII. **Mechanism of 5,5-dimethylhydantoin chlorination: Monochlorination through a dichloro intermediate**  
Akdag A., Worley S. D., Acevedo O., Mckee M. L.  
JOURNAL OF CHEMICAL THEORY AND COMPUTATION, vol.3, no.6, pp.2282-2289, 2007 (SCI-Expanded)
- XXXIV. **Antimicrobial fibers created via polycarboxylic acid durable press finishing**  
Lee J., Broughton R. M., Akdag A., Worley S. D., Huang T.  
TEXTILE RESEARCH JOURNAL, vol.77, no.8, pp.604-611, 2007 (SCI-Expanded)
- XXXV. **Oxidation of organic sulfides by N-halamine compounds**  
Akdag A., Liang J., Worley S. D.  
PHOSPHORUS SULFUR AND SILICON AND THE RELATED ELEMENTS, vol.182, no.7, pp.1525-1533, 2007 (SCI-Expanded)
- XXXVI. **Why does Kevlar decompose, while Nomex does not, when treated with aqueous chlorine solutions?**  
Akdag A., Kocer H. B., Worley S. D., Broughton R. M., Webb T. R., Bray T. H.  
JOURNAL OF PHYSICAL CHEMISTRY B, vol.111, no.20, pp.5581-5586, 2007 (SCI-Expanded)
- XXXVII. **Preparation and application of an s-triazine-based novel N-halamine biocide for antimicrobial fibers**  
Lee J., Broughton R. M., Akdag A., Worley S. D., Huang T. S.  
FIBERS AND POLYMERS, vol.8, no.2, pp.148-154, 2007 (SCI-Expanded)
- XXXVIII. **Improved antimicrobial siloxane**  
Liang J., Barnes K., Akdag A., Worley S. D., Lee J., Broughton R. M., Huang T.  
INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH, vol.46, no.7, pp.1861-1866, 2007 (SCI-Expanded)
- XXXIX. **C-4 ' Truncated carbocyclic formycin derivatives**  
Zhou J., Yang M., Akdag A., Schneller S. W.  
TETRAHEDRON, vol.62, no.29, pp.7009-7013, 2006 (SCI-Expanded)
- XL. **Mechanism of formation of biocidal imidazolidin-4-one derivatives: An ab initio density-functional theory**  
Akdag A., Mckee M. L., Worley S. D.  
JOURNAL OF PHYSICAL CHEMISTRY A, vol.110, no.24, pp.7621-7627, 2006 (SCI-Expanded)
- XLI. **Oxidation of thiols to disulfides with monochloro poly(styrenehydantoin) beads**  
Akdag A., Webb T., Worley S. D.  
TETRAHEDRON LETTERS, vol.47, no.21, pp.3509-3510, 2006 (SCI-Expanded)
- XLII. **The stabilities of N-Cl bonds in biocidal materials**  
Akdag A., Okur S., McKee M. L., Worley S. D.  
JOURNAL OF CHEMICAL THEORY AND COMPUTATION, vol.2, no.3, pp.879-884, 2006 (SCI-Expanded)
- XLIII. **Theoretical study of 9-beta-D-erythrofuransyladenine and corresponding carbocyclic analogues. Evidence for a base-activated conformational lock**  
Akdag A., Carver C., McKee M., Schneller S.  
JOURNAL OF PHYSICAL CHEMISTRY A, vol.106, no.46, pp.11254-11261, 2002 (SCI-Expanded)
- XLIV. **Manganese(III) acetate oxidation of some ketones in the presence of 3-chloropropionic acid and theoretical investigation of the products**  
Akdag A., Tarhan O., Turker L.  
JOURNAL OF MOLECULAR STRUCTURE-THEOCHEM, vol.571, pp.201-206, 2001 (SCI-Expanded)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Effects of linkers between coumarin units on determination of sodium and potassium**  
TAN D., AKDAĞ A.  
257th National Meeting of the American-Chemical-Society (ACS), Florida, United States Of America, 31 March - 04 April 2019, vol.257
- II. **Synthesis of Urea Containing Helical Polymers**  
AKDAĞ A., ÜNAY G.  
4. Uluslararası katılımlı ulusal organik kimya kongresi, 4 - 07 October 2018
- III. **Differential solvation: Proof of concept by solvochromic and temperature-responsive properties of alkyl/triethylene glycol side chains**  
ÖZTÜRK P., AKDAĞ A.  
256th National Meeting and Exposition of the American-Chemical-Society (ACS) - Nanoscience, Nanotechnology and Beyond, Massachusetts, United States Of America, 19 - 23 August 2018, vol.256
- IV. **Toward synthesis of singlet fission exhibiting mesoionic compounds**  
ÜNAY G., AKDAĞ A.  
256th National Meeting and Exposition of the American-Chemical-Society (ACS) - Nanoscience, Nanotechnology and Beyond, Massachusetts, United States Of America, 19 - 23 August 2018, vol.256
- V. **Synthesis of a TEMPO radical containing polymer for a potential organic radical battery**  
YÜCEL E. A., ÖZTÜRK P., AKDAĞ A.  
256th National Meeting and Exposition of the American-Chemical-Society (ACS) - Nanoscience, Nanotechnology and Beyond, Massachusetts, United States Of America, 19 - 23 August 2018, vol.256
- VI. **Pectin/Fibroin Scaffolds for Tissue Engineering Applications**  
TÜRKKAN S., ATİLA D. H., AKDAĞ A., TEZCANER A.  
22ND INTERNATIONAL BIOMEDICALSCIENCE TECHNOLOGY SYMPOSIUM, 12 - 14 May 2017
- VII. **An all polymeric reagent for oxidation of primary alcohols to aldehydes**  
ÖZTÜRK P., AKDAĞ A.  
17th Tetrahedron Symposium, 28 June - 01 July 2016
- VIII. **Synthesis of chiral heterocyclic N halamines for synthesis of chiral sulfoxides**  
AKDAĞ A., TEKİN G., ÖZTÜRK P., ÇALIŞGAN G., TAN D., KIVANÇ A., İPEK H.  
Trans Mediterranean Colloquium on Heterocyclic Chemistry TRAMECH VIII, 11 - 15 November 2015
- IX. **Mn OAc 3 promoted addition of an active methylene compound to alkenes mechanistic studies**  
Ceyhan S., ÇETİNKAYA Y., AKDAĞ A., Balcı M.  
Trans Mediterranean Colloquium on Heterocyclic Chemistry TRAMECH VIII, 11 - 15 November 2015
- X. **Antimicrobial membranes from chlorinated poly ether sulfone**  
ESRA NUR D., AKDAĞ A., ÇULFAZ EMECEN P. Z.  
Euromembrane, 6 - 11 September 2015
- XI. **Modified Citrus Pectin and Silk Fibroin Based Scaffolds for Bone Tissue Engineering Applications**  
SİBEL A., KESKİN D., AKDAĞ A., TEZCANER A.  
27th European Conference on Biomaterials, Krakow, Poland, 30 August - 03 September 2015, pp.653
- XII. **Biyopolimerlerin Çapraz Bağlama Reaksiyonlarına Alternatif Olarak Sunulan Klik Kimya Tepkimelerinin Biyomühendislik Uygulamalarına Yönelik Geliştirilmesi**  
ATAOL S., TEZCANER A., AKDAĞ A.  
27. Ulusal Kimya Kongresi, Turkey, 23 - 28 August 2015
- XIII. **TARTARİK ASİTTEN HELİKAL POLİTİYOÜRE SENTEZİ**  
ÇALIŞGAN G., AKDAĞ A.  
27. ulusal kimya kongresi, Turkey, 23 - 28 August 2015
- XIV. **BİYOPOLİMERLERİN ÇAPRAZ BAĞLAMA REAKSİYONLARINAALTERNATİF OLARAK SUNULAN KLİK KİMYA TEPKİMELERİNİNBIYOMÜHENDİSLİK UYGULAMALARINA YÖNELİK GELİŞTİRİLMESİ**  
Ataol S., TEZCANER A., AKDAĞ A.  
27. Ulusal Kimya Kongresi, Turkey, 23 - 28 August 2015

- XV. **KİRAL FLORESEİN TÜREVLERİNİN SENTEZİ**  
TAN D., AKDAĞ A.  
27. ulusal kimya kongresi, Turkey, 23 - 28 August 2015
- XVI. **DİFERANSİYEL ÇÖZÜNÜRLÜĞÜN MOLEKÜLER YAPILARIN OLUŞUMUNA etkisi**  
TEKİN G., AKDAĞ A.  
27. ulusal kimya kongresi, Turkey, 23 - 28 August 2015
- XVII. **Poli eter sülfon bazlı antimikrobiyal membran üretimi**  
ESRA NUR D., AKDAĞ A., ÇULFAZ EMECEN P. Z.  
27. Ulusal Kimya Kongresi, Turkey, 23 - 28 August 2015
- XVIII. **BİRİNCİL ALKOLLERİN GÖRÜNÜR IŞIK ALTINDA SEÇİCİYÜKSELGENMESİ**  
ACHACHELOUEI M., Akkaş K., ÖZTÜRK P., AKDAĞ A.  
27. Ulusal Kimya Kongresi, Turkey, 23 - 28 August 2015
- XIX. **TEK BASAMAKTA BİRİNCİL ALKOLLERİN SEÇİCİ YÜKSELTGENMETEPKİMELERİ İÇİN TEKRAR KULLANILABİLİR POLİMER SENTEZİ**  
ÖZTÜRK P., AKDAĞ A.  
27. Ulusal Kimya Kongresi, Turkey, 23 - 28 August 2015
- XX. **POLİ ETHER SÜLFON BAZLI ANTİMİKROBİYAL MEMBRAN ÜRETİMİ**  
Dogru E. N., AKDAĞ A., ÇULFAZ EMECEN P. Z.  
27. Ulusal Kimya Kongresi, KİMYA 2015, Çanakkale, Turkey, 23 - 28 August 2015
- XXI. **Selective oxidation of primary alcohols to aldehydes with N-halamines**  
AKDAĞ A., ÖZTÜRK P.  
245th National Spring Meeting of the American-Chemical-Society (ACS), Louisiana, United States Of America, 7 - 11 April 2013, vol.245

## Supported Projects

- BALCI M., AKDAĞ A., TANYELİ C., Project Supported by Higher Education Institutions, N-Propargil Grubu İçeren Pirol Türevlerinin Çeşitli Katalizörlerle Siklizasyonu: Yeni İskelet Yapısına Sahip Heterosiklik Bileşiklerin Tasarımı, 2013 - Continues
- AKDAĞ A., DOĞAN S., Project Supported by Higher Education Institutions, KARBORAN TÜREVLERİNİN KARBOKATYONLARIN TANIMLANMASI İÇİN SENTEZİ, 2018 - 2019
- AKDAĞ A., ÖZTÜRK P., Project Supported by Higher Education Institutions, DİFERANSİYEL ÇÖZÜNÜRLÜK KONSEPTİNİN GELİŞTİRİLMESİ VE BİYOLOJİK SİSTEMLERE UYGULANMASI, 2018 - 2019
- AKDAĞ A., ÇALIŞGAN G., Project Supported by Higher Education Institutions, TASARIMDAN SENTEZE VE YAPIDAN FONKSİYONA HELİKAL POLİMERLER, 2018 - 2019
- AKDAĞ A., GÜVEN S., Project Supported by Higher Education Institutions, DÜZENLİ SUPRAMOLEKÜLER YAPILARIN DİFERANSİYEL ÇÖZÜNÜRLÜK ÜZERİNDEN OLUŞUMU, 2018 - 2019
- AKDAĞ A., TUL MUNNA S., Project Supported by Higher Education Institutions, SYNTHESIS OF NOVEL MATERIALS FOR HIGH PERFORMANCE POLYMERIC MEMBRANE APPLICATIONS, 2018 - 2019
- AKDAĞ A., AYÇA YÜCEL E., Project Supported by Higher Education Institutions, BAZI MODİFİYE EDİLMİŞ NÜKLEOSİTLERİN SENTEZİ, 2018 - 2019
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## Metrics

Publication: 65

Citation (WoS): 1217



Citation (Scopus): 1082

H-Index (WoS): 19

H-Index (Scopus): 19