

## Prof. ASGAR KAYAN

### Personal Information

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### International Researcher IDs

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ScopusID: 6603345523

Yoksis Researcher ID: 22989

### Education Information

Doctorate, Ohio State University, United States Of America 1994 - 1999

Postgraduate, Inonu University, Fen Bilimleri Enstitüsü, Kimya (YI), Turkey 1990 - 1992

Undergraduate, Inonu University, Fen-Edebiyat Fakültesi, Kimya Bölümü, Turkey 1985 - 1989

### Dissertations

Doctorate, Synthesis, characterization and reactivity of Organorhodium complexes, Ohio State University, 1999

Postgraduate, Sol-Jel prosesiyle metal alkolatların kelat ligandlarla kompleksleştirilmesi, İnönü Üniversitesi, Fen Bilimleri Enstitüsü, Kimya (YI), 1992

### Research Areas

Natural Sciences

### Academic Titles / Tasks

Professor, Kocaeli University, Fen Edebiyat Fakültesi, Kimya, 2015 - Continues

### Academic and Administrative Experience

Head of Department, Kocaeli University, Fen Edebiyat Fakültesi, Kimya, 2020 - Continues

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

1. Sol Gel obtained Ti/Co/Mn oxides doped with 5wt% CuO for the photocatalytic removal of organic azo dyes from wastewater  
Baig M. T., KAYAN A.

MATERIALS RESEARCH BULLETIN, vol.180, 2024 (SCI-Expanded)

- II. **UiO-66 MOF/Zr-di-terephthalate/cellulose hybrid composite synthesized via sol-gel approach for the efficient removal of methylene blue dye**  
Demirci G. V., Baig M. T., Kayan A.  
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, vol.283, 2024 (SCI-Expanded)
- III. **A Study on Tailoring Silver Release from Micro-Arc Oxidation Coating Fabricated on Titanium**  
Kayan G. O., Muhaffel F., Kayan A., Nofar M., Cimenoglu H.  
ADVANCED ENGINEERING MATERIALS, vol.26, no.21, 2024 (SCI-Expanded)
- IV. **Advanced biopolymer-based Ti/Si-terephthalate hybrid materials for sustainable and efficient adsorption of the tetracycline antibiotic**  
Baig M. T., KAYAN A.  
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, vol.280, 2024 (SCI-Expanded)
- V. **Eco-friendly novel adsorbents composed of hybrid compounds for efficient adsorption of methylene blue and Congo red dyes: Kinetic and thermodynamic studies**  
Baig M. T., KAYAN A.  
SEPARATION SCIENCE AND TECHNOLOGY, vol.58, no.5, pp.862-883, 2023 (SCI-Expanded)
- VI. **Polyhedral Oligomeric Silsesquioxane and Polyorganosilicon Hybrid Materials and Their Usage in the Removal of Methylene Blue Dye**  
Kayan G. O., KAYAN A.  
JOURNAL OF INORGANIC AND ORGANOMETALLIC POLYMERS AND MATERIALS, vol.32, no.7, pp.2781-2792, 2022 (SCI-Expanded)
- VII. **Adsorption of murexide dye from aqueous solution using a novel Schiff base tin(IV) compound**  
Bozbaş S., Yıldız Aras B. C., Karabulut M., Kayan A.  
Desalination and Water Treatment, vol.261, pp.256-265, 2022 (SCI-Expanded)
- VIII. **Composite of Natural Polymers and Their Adsorbent Properties on the Dyes and Heavy Metal Ions**  
Kayan G. O., KAYAN A.  
JOURNAL OF POLYMERS AND THE ENVIRONMENT, vol.29, no.11, pp.3477-3496, 2021 (SCI-Expanded)
- IX. **Inorganic-Organic Hybrid Materials of Zirconium and Aluminum and Their Usage in the Removal of Methylene Blue**  
Kayan G. O., KAYAN A.  
JOURNAL OF INORGANIC AND ORGANOMETALLIC POLYMERS AND MATERIALS, vol.31, no.8, pp.3613-3623, 2021 (SCI-Expanded)
- X. **Ti(IV)-silyliminophenolate catalysts for  $\epsilon$ -caprolactone and L-Lactide polymerization**  
Yildiz B. C., Kayan A.  
Sustainable Chemistry and Pharmacy, vol.21, pp.100416, 2021 (SCI-Expanded)
- XI. **Non-Toxic and Environmentally Friendly Titanium Complexes and Their Effects on epsilon-Caprolactone Polymerization**  
Yildiz Aras B. C., Kayan A.  
CATALYSIS SURVEYS FROM ASIA, vol.24, no.4, pp.313-324, 2020 (SCI-Expanded)
- XII. **Recent Studies on Single Site Metal Alkoxide Complexes as Catalysts for Ring Opening Polymerization of Cyclic Compounds**  
Kayan A.  
Catalysis Surveys from Asia, vol.24, no.2, pp.87-103, 2020 (SCI-Expanded)
- XIII. **Copolymerization reactions of butadiene monoxide with 3-glycidyloxypropyltrimethoxysilane and styrene oxide and their glycol derivatives**  
KAYAN A.  
JOURNAL OF APPLIED POLYMER SCIENCE, vol.136, no.14, 2019 (SCI-Expanded)
- XIV. **Inorganic-organic hybrid materials and their adsorbent properties**  
KAYAN A.  
ADVANCED COMPOSITES AND HYBRID MATERIALS, vol.2, no.1, pp.34-45, 2019 (SCI-Expanded)
- XV. **Multivariate optimization for removal of some heavy metals using novel inorganic-organic hybrid**

**and calcined materials**

Cerrahoglu E., Kayan A., Bingöl D.

SEPARATION SCIENCE AND TECHNOLOGY, vol.53, pp.2563-2572, 2018 (SCI-Expanded)

- XVI. **New Inorganic-Organic Hybrid Materials and Their Oxides for Removal of Heavy Metal Ions: Response Surface Methodology Approach**  
Cerrahoglu E., Kayan A., Bingöl D.  
JOURNAL OF INORGANIC AND ORGANOMETALLIC POLYMERS AND MATERIALS, vol.27, pp.427-435, 2017 (SCI-Expanded)
- XVII. **Synthesis of novel single site tin porphyrin complexes and the catalytic activity of tin tetrakis(4-fluorophenyl) porphyrin over epsilon-caprolactone**  
Yaman H., KAYAN A.  
JOURNAL OF PORPHYRINS AND PHTHALOCYANINES, vol.21, no.3, pp.231-237, 2017 (SCI-Expanded)
- XVIII. **Preparation of single-site tin(IV) compounds and their use in the polymerization of epsilon-caprolactone**  
Yildiz B. C., KAYAN A.  
DESIGNED MONOMERS AND POLYMERS, vol.20, pp.89-96, 2017 (SCI-Expanded)
- XIX. **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)
- XX. **Synthesis, Characterization, and Application of Hybrid Inorganic-Organic Composites (K/Na)ZrSi(R)O-x**  
KAYAN A.  
JOURNAL OF INORGANIC AND ORGANOMETALLIC POLYMERS AND MATERIALS, vol.26, no.3, pp.640-647, 2016 (SCI-Expanded)
- XXI. **Preparation, Characterization and Application of Hybrid Materials Having Multifunctional Properties**  
Kayan A.  
JOURNAL OF INORGANIC AND ORGANOMETALLIC POLYMERS AND MATERIALS, vol.25, no.6, pp.1345-1352, 2015 (SCI-Expanded)
- XXII. **Synthesis of poly(styrene oxide) with different molecular weights using tin catalysts**  
Kayan A.  
DESIGNED MONOMERS AND POLYMERS, vol.18, no.6, pp.545-549, 2015 (SCI-Expanded)
- XXIII. **Synthesis and characterization of substituted salicylate zirconium compounds and their catalytic activity over epsilon-caprolactone**  
MERT O., KAYAN A.  
JOURNAL OF INCLUSION PHENOMENA AND MACROCYCLIC CHEMISTRY, vol.80, pp.409-416, 2014 (SCI-Expanded)
- XXIV. **Preparation of L-Lactide/3-Glycidyloxypropyltrimethoxysilane Copolymeric Materials with Various Catalysts**  
KAYAN A., MERT O.  
JOURNAL OF INORGANIC AND ORGANOMETALLIC POLYMERS AND MATERIALS, vol.24, no.6, pp.1055-1062, 2014 (SCI-Expanded)
- XXV. **Novel tyrosine-containing inorganic-organic hybrid adsorbent in removal of heavy metal ions**  
Kayan A., Arıcan M. O., Boz Y., Ay Ü., Karayunlu Bozbas S.  
JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING, vol.2, no.2, pp.935-942, 2014 (SCI-Expanded)
- XXVI. **Novel inorganic-organic hybrid polymers to remove heavy metals from aqueous solution**  
Bozbas S., Ay Ü., KAYAN A.  
DESALINATION AND WATER TREATMENT, vol.51, pp.7208-7215, 2013 (SCI-Expanded)
- XXVII. **Synthesis of silyliminophenolate zirconium compounds and their catalytic activity over lactide/epoxide**  
MERT O., KAYAN A.  
APPLIED CATALYSIS A-GENERAL, vol.464, pp.322-331, 2013 (SCI-Expanded)

- XXVIII. **Preparation, Characterization and Application of Inorganic-Organic Hybrid Polymers, Poly-GPTS/M(CL)(x)O(OH)**  
Kayan A.  
INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH, vol.51, no.41, pp.13339-13345, 2012 (SCI-Expanded)
- XXIX. **Synthesis and characterization of Zr, Ti, Al-phthalate and pyridine-2-carboxylate compounds and their use in ring opening polymerization**  
Yalcin G., KAYAN A.  
APPLIED CATALYSIS A-GENERAL, vol.433, pp.223-228, 2012 (SCI-Expanded)
- XXX. **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)
- XXXI. **Polymerization of 3-glycidyloxypropyltrimethoxysilane with different catalysts**  
Kayan A.  
JOURNAL OF APPLIED POLYMER SCIENCE, vol.123, no.6, pp.3527-3534, 2012 (SCI-Expanded)
- XXXII. **Ring-opening polymerization of isopropylglycidyl ether (IPGE) with new catalysts of Ti, Sn, Al-alkoxides and comparison of its reactivity**  
Yalcin G., KAYAN A.  
DESIGNED MONOMERS AND POLYMERS, vol.15, no.4, pp.405-416, 2012 (SCI-Expanded)
- XXXIII. **Solvent effect on complexation of titanium tetraethoxide with allylacetoacetate**  
Kayan A.  
JOURNAL OF INORGANIC AND ORGANOMETALLIC POLYMERS AND MATERIALS, vol.15, no.3, pp.361-365, 2005 (SCI-Expanded)
- XXXIV. **Effects of different amount of As<sub>2</sub>O<sub>3</sub> and TiO<sub>2</sub> on the chemical, physical and electrical properties of the base material MnO<sub>2</sub>**  
ESMER K., Kadiroglu U., TARCAN E., KAYAN A.  
MATERIALS LETTERS, vol.59, no.10, pp.1125-1129, 2005 (SCI-Expanded)
- XXXV. **Complexation of titanium alkoxides with pentenoic acid and allylacetoacetate and their hydrolysis and addition reactions with H-silanes**  
Kayan A., Hoebbel D., Schmidt H.  
JOURNAL OF APPLIED POLYMER SCIENCE, vol.95, no.4, pp.790-796, 2005 (SCI-Expanded)
- XXXVI. **Complexation of zirconium alkoxides with 3-pentenoic acid and hydrolytic stability of their products**  
Bulut G., Mercanci E., Kayan A.  
JOURNAL OF INORGANIC AND ORGANOMETALLIC POLYMERS AND MATERIALS, vol.14, no.3, pp.191-200, 2004 (SCI-Expanded)
- XXXVII. **Electrical and dielectrical properties of the MnO<sub>2</sub> doped with As<sub>2</sub>O<sub>3</sub> and SnO**  
KAYAN A., TARCAN E., Kadiroglu U., ESMER K.  
MATERIALS LETTERS, vol.58, no.16, pp.2170-2174, 2004 (SCI-Expanded)
- XXXVIII. **Complexation of titanium alkoxides with Cw-2-butene-1,4-diol and hydrolysis of their products**  
KAYAN A.  
Journal of Inorganic and Organometallic Polymers and Materials, vol.13, no.1, pp.29-39, 2003 (SCI-Expanded)
- XXXIX. **Complexation of titanium alkoxides with cis-2-butene-1,4-diol and hydrolysis of their products**  
Kayan A.  
JOURNAL OF INORGANIC AND ORGANOMETALLIC POLYMERS, vol.13, pp.29-39, 2003 (SCI-Expanded)
- XL. **Oxidative addition reactions of Rh(SbPh<sub>3</sub>)<sub>3</sub>(CO)X (X = Cl, Br) with organic phenyl-substituted propargyl compounds. Rhodium(III) phenylpropargyl products and their conversion to rhodiacyclic complexes**  
Kayan A., Wojcicki A.  
INORGANICA CHIMICA ACTA, vol.319, pp.187-193, 2001 (SCI-Expanded)
- XLI. **Reactions of Rh(SbPh<sub>3</sub>)<sub>3</sub>(CO)X (X = Cl, Pr) with organic propargyl compounds. Synthesis, structure and reactivity of rhodiacyclopent-3-ene-2-one complexes**

Kayan A., Gallucci J., Wojcicki A.

JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.630, no.1, pp.44-56, 2001 (SCI-Expanded)

**XLII. An unusual reaction of Rh(SbPh<sub>3</sub>)(3)(CO)Cl with propargyl halides: the formation of rhodiacyclopent-3-ene-2-one complexes**

Kayan A., Gallucci J., Wojcicki A.

INORGANIC CHEMISTRY COMMUNICATIONS, vol.1, no.11, pp.446-448, 1998 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Zirconium Complexes Bearing Methyl/<sup>t</sup>Butyl Salicylate and Their Catalytic Activity on ε-Caprolactone**  
Uzun G., Kayan A.  
REACTIONS, vol.5, no.3, pp.594-606, 2024 (ESCI)
- II. **Polycaprolactone Composites/Blends and Their Applications Especially in Water Treatment**  
Kayan G. Ö., Kayan A.  
CHEMENGINEERING, vol.7, no.6, 2023 (ESCI)
- III. **Synthesis and characterization of Ti-/Zr-diphenylpropanedione complexes and their application in the ring opening polymerization of ε-caprolactone**  
Gökalp Y., Kayan A.  
Journal of the Turkish Chemical Society, Section A: Chemistry, vol.5, pp.1095-1104, 2018 (Scopus)
- IV. **Preparation and characterization of TAMP/TIMP-Ti and Zr compounds and their catalytic activity over propylene oxide and ε-caprolactone**  
Kayan A.  
Journal of the Turkish Chemical Society, Section A: Chemistry, vol.4, no.1, pp.59-80, 2017 (Peer-Reviewed Journal)
- V. **Synthesis and Theoretical Study of Zinc II and Nickel II Complexes of 5 Methoxyisatin 3 N 4 chlorophenyl thiosemicarbazone**  
Kandemirli F., Saraçoğlu M., Yalçın G., Ebenso E., Arslan T., Kayan A.  
JOURNAL OF MATHEMATICAL AND FUNDAMENTAL SCIENCES, vol.44, pp.35-50, 2012 (ESCI)
- VI. **Spectroscopic Investigation on the Reactions of Tin and Titanium Alkoxides with 3-Pentenoic Acid**  
Kayan A.  
The Open macromolecules journal, vol.2, pp.38-42, 2008 (Peer-Reviewed Journal)

## Refereed Congress / Symposium Publications in Proceedings

- I. **ZIRCONIUM TEREPHTHALATE/CELLULOSE CONTAINING HYBRID MATERIALS AND THEIR USE IN METHYLENE BLUE REMOVAL**  
Demirci V. G., Baig M. T., Kayan A.  
15. Ulusal 3. Uluslararası Çevre Mühendisliği Kongresi, Ankara, Turkey, 23 - 25 November 2023, pp.1-6
- II. **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
- III. **Zirkonyum Propoksit ve Zirkonyum Bütoksit'in Sübstitüe Salisilik Asit ile Tepkimesi ve Katalizör Etkisi**  
Uzun G., Yıldız B. C., Kayan A.  
32. Ulusal Kimya Kongresi, Eskişehir, Turkey, 17 - 19 September 2020
- IV. **Synthesis and characterization of newly synthesized schiff base ligand and study adsorption of Murexide dye**  
KARAYÜNLÜ BOZBAŞ S., YILDIZ B. C., Karabulut M., KAYAN A.

4th ITWCCST, 7 - 10 September 2018

- V. **Synthesis and characterization of newly synthesized schiff base ligand and study adsorption of Murexide dye**  
KARAYÜNLÜ BOZBAŞ S., YILDIZ B. C., karabulut m., KAYAN A.  
4th ITWCCST, 7 - 10 September 2018
- VI. **Multivariate Optimization for Removal of Cu(II) and Pb(II) from Aqueous Solutions Using Synthesized Hybrid and Calcined Materials**  
Cerrahoğlu Kaçakgil E., Kayan A., Bingöl D.  
8th Black Sea Basin Conference on Analytical Chemistry, İstanbul, Turkey, 9 - 11 May 2018
- VII. **SYNTHESIS OF TIN(IV) A-BENZOIN OXIME COMPOUNDS AND THEIR CATALYTIC ACTIVITY OVER POLYMERIZATION OF  $\epsilon$ -CAPROLACTONE**  
YILDIZ B. C., KAYAN A.  
Ancon 2017 INTERNATIONAL CONGRESS ON CHEMISTRY AND MATERIALS SCIENCE 5-7 October, 2017/Ankara-TURKEY, 5 - 07 November 2017
- VIII. **Synthesis of Tin(IV)  $\alpha$ -Benzoin Oxime Compounds and Their Catalytic Activity over Polymerization of  $\epsilon$ -Caprolactone**  
YILDIZ B. C., KAYAN A.  
Int Congress on Chem and Mater Sci., ANCON 2017, 5 - 07 October 2017
- IX. **SYNTHESIS OF NEW MATERIALS OF TIN(IV) COMPOUNDS and THEIR CATALYTIC ACTIVITY OVER POLYMERIZATION OF  $\epsilon$ -CAPROLACTONE**  
YILDIZ B. C., KAYAN A.  
16TH EPF EUROPEAN POLYMER CONGRESS, 2 - 07 July 2017
- X. **SYNTHESIS OF NEW MATERIALS OF TIN(IV) COMPOUNDS and THEIR CATALYTIC ACTIVITY OVER POLYMERIZATION OF  $\epsilon$ -CAPROLACTONE**  
YILDIZ B. C., KAYAN A.  
epflyon 2017 16th EPF EUROPEAN POLYMER CONGRESS July2nd-7th, 2017 Lyon-FRANCE, 2 - 07 July 2017
- XI. **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.  
4th International BAU Drug Design Congress, İstanbul, Turkey, 13 - 15 October 2016
- XII. **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.  
4th international BAU drug design congress, 13 - 15 October 2016
- XIII. **New and Effective Material for Removal of Murexide Dye from Aqueous Solution**  
YILDIZ B. C., KARABULUT M., KARAYÜNLÜ BOZBAŞ S., KAYAN A.  
10th Aegean Analytical Chemistry Days, 29 September - 02 October 2016
- XIV. **New and Effective Material for Removal of Murexide Dye from Aqueous Solution**  
YILDIZ B. C., Karabulut M., KARAYÜNLÜ BOZBAŞ S., KAYAN A.  
10th Aegean Analytical Chemistry Days, 29 September - 02 October 2016
- XV. **Optimization of methylene blue removal on a new hybrid material by box Behnken design**  
CERRAHOĞLU E., KAYAN A., BİNGÖL D.  
10th Aegean Analytical Chemistry Days, 29 September - 02 October 2016, pp.166
- XVI. **OPTIMIZATION OF METHYLENE BLUE REMOVAL ON A NEW HYBRID MATERIAL BY BOX BEHNKEN DESIGN**  
CERRAHOĞLU E., KAYAN A., BİNGÖL D.  
INTERNATIONAL CONFERENCE: 10th AEGEAN ANALYTICAL CHEMISTRY DAYS, 29 September - 02 October 2016
- XVII. **Optimization of Methylene Blue Removal on a New Hybrid Material by Box Behnken Design**  
CERRAHOĞLU E., KAYAN A., BİNGÖL D.  
10th Aegean Analytical Chemistry Days, 29 September - 02 October 2016
- XVIII. **New and effective tin catalyst and its catalytic activity over polymerization of caprolactone**  
YILDIZ B. C., KAYAN A.

28. ulusal kimya kongresi, Turkey, 15 - 21 August 2016
- XIX. **New and effective tin catalyst and its catalytic activity over polymerization of caprolactone**  
YILDIZ B. C., KAYAN A.  
28. Ulusal Kimya Kongresi, Mersin, Turkey, 15 - 21 August 2016
- XX. **Synthesis and Characterization of a New Class of Boron Based Asymmetric Poly Substituted Glycolides for Biomedical Applications**  
Vardar A., Arıcan M. O., YILDIZ U., KAYAN A., MERT O.  
46th IUPAC World Polymer Congress (MACRO 2016), 17 - 21 July 2016
- XXI. **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.  
46th IUPAC world polymer congress MACRO2016, 17 July 2016
- XXII. **Syntheses and nanoformulations of novel boron based poly diisobutyl glycolide homopolymers and their copolymers with lactide for drug delivery systems**  
Arıcan M. O., Kandıra H. A., Duruksu G., Yıldız U., Kayan A., Mert O.  
46th IUPAC World Polymer Congress (MACRO 2016), İstanbul, Turkey, 17 - 21 July 2016
- XXIII. **syntheses and nanoformulations of novel boron based poly diisobutyl glycolide homopolymers and their copolymers with lactide for drug delivery systems**  
arıcan m. o., kandıra a. h., DURUKSU G., YILDIZ U., KAYAN A., MERT O.  
46th IUPAC World Polymer Congress, 17 - 21 July 2016
- XXIV. **Synthesis and characterization of a new class of boron based asymmetric poly substituted glycolides for biomedical applications**  
Vardar A., Arıcan M. O., YILDIZ U., KAYAN A., MERT O.  
46. IUPAC World Polymer Congress, 17 - 21 July 2016
- XXV. **NOVEL INORGANIC ORGANIC HYBRID ADSORBENT FOR REMOVAL OF SOME HEAVY METAL ION**  
CERRAHOĞLU E., KAYAN A., BİNGÖL D.  
3rd INTERNATIONAL CONFERENCE on NEW TRENDS on CHEMOMETRICS and APPLICATIONS, 25 - 28 May 2016
- XXVI. **Novel Inorganic Organic Hybrid Adsorbent for Removal of Some Heavy Metal Ions**  
Cerrahoğlu E., Kayan A., Bingöl D.  
Third International Conference on New Trends in Chemometrics and Applications, Antalya, Turkey, 25 - 28 May 2016
- XXVII. **NaOSiMe<sub>3</sub> BAĞLANMIŞ YENİ BİR ORGANİK İNORGANİK HİBRİT MATERYALİN METAL ADSORPSİYON ÖZELLİKLERİNİN YANIT YÜZEY METODU YAKLAŞIMI İLE İNCELENMESİ**  
CERRAHOĞLU E., KAYAN A., BİNGÖL D.  
IV. ESER ANALİZ KONGRESİ, Turkey, 19 - 22 May 2016
- XXVIII. **NaOSiMe<sub>3</sub> BAĞLANMIŞ YENİ BİR ORGANİK İNORGANİK HİBRİT MATERYALİN METAL ADSORPSİYON ÖZELLİKLERİNİN YANIT YÜZEY METODU YAKLAŞIMI İLE İNCELENMESİ**  
CERRAHOĞLU E., KAYAN A., BİNGÖL D.  
IV Eser Analiz Kongresi, ESan2016, Turkey, 19 - 21 May 2016
- XXIX. **Ring opening polymerizations of epoxide GPTS and lactide with the catalysts of silyliminophenolate based zirconium compound**  
MERT O., KAYAN A.  
250th ACS National Meeting, Boston, Massachusetts, 16 - 20 August 2015
- XXX. **Ring opening polymerizations of epoxide GPTS and lactide with the catalysts of silyliminophenolate based zirconium compounds**  
MERT O., KAYAN A.  
ACS national meeting, Boston, (2015), 16 - 20 August 2015
- XXXI. **Synthesis of new and effective catalysts of Sn and their catalytic activity over polymerization of caprolactone**  
Yıldız B. c., KAYAN A.  
OMCOS18 , Organometallic Chemistry Directed Towards Organic Synthesis Barcelona , ispanya (2015), Spain, 28

June - 02 July 2015

- XXXII. **Synthesis of new and effective catalysts of Sn and their catalytic activity over polymerization of caprolactone**  
YILDIZ B. C., KAYAN A.  
OMCOS18 , Organometallic Chemistry Directed Towards Organic Synthesis Barcelona, 28 June - 02 July 2015
- XXXIII. **Syntheses and Characterizations of Poly Diethyl Glycolide Polymers**  
MEHMET ONUR A., KAYAN A., YILDIZ U., MERT O.  
EPF2015, European Polymer Congress, Dresden, Germany, (2015), 21 - 23 June 2015
- XXXIV. **Yeni Bor Bazlı Biyomalzemelerin Sentezleri ve İlaç Sistemlerinde Uygulamaları**  
MERT O., KAYAN A.  
Fiziksel Kimya Kongresi, Denizli, 2014, Turkey, 5 - 07 June 2015
- XXXV. **Sn SİMPH ve Sn SAMPH Bileşiklerinin Sentezlenmesi ve Katalitik Etkisinin İncelenmesi**  
YILDIZ B. C., KAYAN A.  
V. Ulusal Anorganik Kimya Kongresi, Turkey, 22 - 25 April 2015
- XXXVI. **Sn SİMPH ve Sn SAMPH Bileşiklerinin Sentezlenmesi ve Katalitik Etkisinin İncelenmesi**  
YILDIZ B. C., KAYAN A.  
Ulusal Anorganik Kimya Kongresi, Mersin, (2015), Turkey, 22 - 24 April 2014
- XXXVII. **Comparison of Removal Lead II From Aqueous Solution on Novel Inorganic organic Hybrid Materials**  
BOZ Y., KARAYÜNLÜ BOZBAŞ S., AY Ü., KAYAN A.  
6th Black Sea Basin Conference on Analytical Chemistry, 10 - 14 September 2013
- XXXVIII. **Energy storage performance of metal allyl acetoacetate complex**  
Kayiran S., KAYAN A., Lamari F., Weinberger B., Farhat S.  
16th World Hydrogen Energy Conference 2006, WHEC 2006, Lyon, France, 13 - 16 June 2006, vol.2, pp.1353-1355
- XXXIX. **Synthesis and reactions of unsaturated ligands containing Al and Zr alkoxide precursors**  
Kayan A.  
Proc. of the First European Workshop on Hybrid Organic-Inorganic Materials , Chateauroux, France, 8 - 10 November 1993, pp.319-323

## Other Publications

- I. **Spectroscopic investigation on the reactions of tin and titanium alkoxides with 3-pentenoic acid**  
Kayan A., Bulut G.  
Other, pp.28-32, 2008

## Supported Projects

- KAYAN A., YILDIZ ARAS B. C., Project Supported by Higher Education Institutions, KALAY, BOR VE TİTANYUM İMİN/AMİN BİLEŞİKLERİNİN SENTEZİ VE ANTİ BAKTERİYEL ETKİSİNİN ARAŞTIRILMASI, 2017 - 2018
- KAYAN A., Project Supported by Higher Education Institutions, ORGANOKALAY BİLEŞİKLERİNİN HAZIRLANMASI VE KATALİZÖR OLARAK KULLANILMASI, 2016 - 2017
- KAYAN A., Project Supported by Higher Education Institutions, LAKTİD VE EPOKSİLERİN HALKA AÇILMASI POLİMERİZASYONUNDA KULLANILACAK YENİ KATALİZÖRLERİN SENTEZLENMESİ, YAPILARININ AYDINLATILMASI VE UYGULAMALARI, 2014 - 2016
- KAYAN A., Project Supported by Higher Education Institutions, Metal Alkolat Esaslı Yeni Katalizörlerin Hazırlanması ve Bunların Halka-Açılması Polimerizasyonunda Kullanılması, 2012 - 2013

## Activities in Scientific Journals



Science journal of chemistry, Committee Member, 2018 - 2021

## **Metrics**

Publication: 90

Citation (WoS): 678

Citation (Scopus): 720

H-Index (WoS): 17

H-Index (Scopus): 18

## **Non Academic Experience**

Dr. Saadettin Hacıevliyagil