



# ÖNDER TOPEL

## PROF.

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: C-2273-2016

ScopusID: 24477745200

Yoksis Researcher ID: 19471



## Learning Knowledge

Post Doctorate  
2013 - 2013

Sveriges Lantbruksuniversitet (The Swedish University of Agricultural Sciences),  
Department Of Chemistry, Inorganic And Physical Chemistry, Sweden

Doctorate  
2002 - 2009

Akdeniz University, Institute of Science, Kimya/Fizikokimya, Turkey

Postgraduate  
2000 - 2002

Akdeniz University, Institute of Science, Kimya/Fizikokimya, Turkey

Undergraduate  
1995 - 1999

Akdeniz University, Faculty Of Science, Department of Chemistry, Turkey

## Foreign Languages

English, B2 Upper Intermediate

## Certificates, Courses and Trainings

Vocational Course, EXAFS for beginners, Sveriges Lantbruksuniversitet (The Swedish University of Agricultural Sciences), 2014

Vocational Course, SESAME-JSPS-Sabancı Synchrotron Radiation Workshop, Sabancı Üniversitesi, 2010

Vocational Training, Öğretmenlik Mesleki Eğitim Sertifikası, Akdeniz Üniversitesi, 1997

## Dissertations

Doctorate, Galyum(III) ve İndiyum(III) Tiyosiyanat Komplekslerinin Termodinamik ve Solvasyon Özellikleri, Akdeniz University, Institute of Science, Kimya Anabilim Dalı, 2009

Postgraduate, İndiyum(III)-Tiyosiyanat Komplekslerinin Ardıışık Oluşumu, Akdeniz University, Institute of Science, Kimya Anabilim Dalı, 2002

## Academic Titles / Tasks

Professor 2024 - Continues	Akdeniz University, Faculty Of Science, Department Of Chemistry
Associate Professor 2017 - 2024	Akdeniz University, Faculty Of Science, Department Of Chemistry
Assistant Professor 2014 - 2017	Akdeniz University, Faculty of Science, Department of Chemistry
Expert 2010 - 2013	Akdeniz University, Faculty of Science, Department of Chemistry
Research Assistant 2000 - 2009	Akdeniz University, Institute of Science, Kimya Anabilim Dalı

## Supported Projects

- TOPEL Ö., Kurniawan M. A., Project Supported by Higher Education Institutions, Manyetik alan sıcaklık ve pH gibi çoklu uyarıcılara cevap veren polimerik malzemelerin sentezi ve özelliklerinin karakterizasyonu, 2024 - Continues
- Demir E., Turna Demir F., Akkoyunlu G., Topel Ö., TUBITAK Project, In vivo Deri Korozyon Testi İçin Farklı Nanopestisit Formülasyonlarının Ümit Verici Yeni Bir Alternatif Model Organizma Olarak Drosophila Melanogaster'de Araştırılması, 2022 - 2023
- Demir E., Topel Ö., Akkoyunlu G., TUBITAK Project, Farklı Nanopestisit Formülasyon Tiplerinin Drosophila Melanogaster (Meyve Sineği)'de Sistematik Olarak In vivo İncelenmesi: Hüresel Alım ve Biyolojik Etkiler, 2019 - 2021
- TOPEL Ö., Gök V., Project Supported by Higher Education Institutions, Fosfoproteom analizleri için manyetik özellikte yeni bir afinite kromatografi malzemesi, 2019 - 2020
- Topel Ö., Aksu S., TUBITAK Project, Fosfopeptitlerin zenginleştirilmesi için lantanit(III) iyonları içeren yeni manyetik afinite malzemesinin geliştirilmesi, 2018 - 2020
- TOPEL Ö., Demirci G., Project Supported by Higher Education Institutions, Elektromanyetik Radyasyonu Absorplayan Boyalar İçin Manyetik Nanometal Oksitlerin Sentezi, 2018 - 2019
- TOPEL Ö., ASİLTÜRK M., DEMİREL TOPEL S., Project Supported by Higher Education Institutions, Selüloz Bazlı ve Floresans Özellikli Nanokapsüllerin Sentezi ve Karakterizasyonu, 2016 - 2018
- TOPEL Ö., Project Supported by Higher Education Institutions, Synthesis and characterization of Bodipy functionalized magnetic iron oxide nanoparticles for potential bioimaging applications, 2016 - 2018
- Topel Ö., Project Supported by Higher Education Institutions, Thermodynamic Investigation of Protonation and Complexation Reactions on Nanometal Oxide Surfaces, 2012 - 2014
- Persson I., Other International Funding Programs, Chemistry in the interface aqueous solution-air, 2013 - 2013
- Persson I., Universities of Other Countries Supported Project, Structure bonding and thermodynamics of ions and

complexes in solvents with special properties at coordination Prof Ingmar Persson Department of Chemistry SLU  
Uppsala İsveç, 2006 - 2007

12. Other International Funding Programs, Structure, Bonding and Thermodynamics of Metal Ions, Anions and Complexes in Solvents with Special Properties at Coordination, 2006 - 2007

## Scholarships

Post Doc.Bursu (5 ay), University, 2013 - Continues

Araştırma Bursu (3 ay), University, 2009 - Continues

TÜBİTAK-BİDEB-2214 Yurt Dışı Araştırma Bursu (9 ay), University, 2006 - Continues

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

1. **Assessment of Electromagnetic Shielding Efficacy of Magnetic Metal Oxide Nanoparticles and their Application in Electromagnetic Shielding Paints**  
Demirci G., Okuyucu S., Hoda N., Topel Ö.  
CHEMISTRYSELECT, vol.9, no.7, pp.1-12, 2024 (SCI-Expanded)
2. **Synthesis and characterization of surface-modified magnetic mesoporous silicate materials for phosphate adsorption**  
Gençer A., Uysal Karataş B., Topel Ö., Kiraz N.  
Turkish Journal of Chemistry, vol.48, no.1, pp.50-64, 2024 (SCI-Expanded)
3. **Green Synthesis and the formation kinetics of silver nanoparticles in aqueous Inula Viscosa extract**  
Zeybekoğlu E., Tongur T., Aytaş T. T., Yılmaz M., Topel Ö., Şahin R.  
OPTİK, vol.294, pp.171487, 2023 (SCI-Expanded)
4. **Sodium Alginate-Based Composite Films for Effective Removal of Congo Red and Coralene Dark Red 2B Dyes: Kinetic, Isotherm and Thermodynamic Analysis**  
Mokeddem A., Benykhlef S., Bendaoudi A. A., Boudouaia N., Mahmoudi H., Bengharez Z., Topel S. D., Topel Ö.  
WATER (SWITZERLAND), vol.15, no.9, pp.1-19, 2023 (SCI-Expanded)
5. **Hazard Assessment of the Effects of Acute and Chronic Exposure to Permethrin, Copper Hydroxide, Acephate, and Validamycin Nanopesticides on the Physiology of Drosophila: Novel Insights into the Cellular Internalization and Biological Effects**  
Demir E., Kansız S., Doğan M., Topel Ö., Akkoyunlu G., Kandur M. Y., Turna Demir F.  
INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES, vol.23, no.16, pp.1-46, 2022 (SCI-Expanded)
6. **Development of new lanthanide(iii) ion-based magnetic affinity materials for phosphopeptide enrichment**  
Gök V., Topel Ö., Aksu S.  
NEW JOURNAL OF CHEMISTRY, vol.46, pp.14466-14478, 2022 (SCI-Expanded)
7. **Cellulose acetate encapsulated upconversion nanoparticles - A novel theranostic platform**  
Topel S. D., Balcioglu S., Ateş B., Asiltürk M., Topel Ö., Ericson M. B.  
MATERIALS TODAY COMMUNICATIONS, vol.26, 2021 (SCI-Expanded)
8. **Solution chemistry in the surface region of aqueous solutions**  
Persson I., Werner J., Bjorneholm O., Blanco Y. S., Topel Ö., Bajnoczi E. G.  
PURE AND APPLIED CHEMISTRY, vol.92, no.10, pp.1553-1561, 2020 (SCI-Expanded)
9. **Chemical equilibria of aqueous ammonium-carboxylate systems in aqueous bulk, close to and at the water-air interface**  
Blanco Y. S., Topel Ö., Bajnoczi E. G., Werner J., Bjorneholm O., Persson I.  
PHYSICAL CHEMISTRY CHEMICAL PHYSICS, vol.21, no.23, pp.12434-12445, 2019 (SCI-Expanded)
10. **Synthesis and characterization of Bodipy functionalized magnetic iron oxide nanoparticles for potential bioimaging applications**

- Topel S. D., Topel Ö., Bostancıoğlu R. B., Koparal A. T.  
COLLOIDS AND SURFACES B-BIOINTERFACES, vol.128, pp.245-253, 2015 (SCI-Expanded)
11. **Synthesis of TiO<sub>2</sub> nanoparticles by self-assembling reverse micelle cores of PS-b-PAA for functional textile applications**  
AKPOLAT L. B., Cakir B. A., TOPEL Ö., HODA N.  
MATERIALS RESEARCH BULLETIN, vol.64, pp.117-122, 2015 (SCI-Expanded)
  12. **Comparison effects and electron spin resonance studies of alpha-Fe<sub>2</sub>O<sub>4</sub> spinel type ferrite nanoparticles**  
Bayrakdar H., YALCIN O., CENGİZ U., OZUM S., Anigi E., TOPEL Ö.  
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.132, pp.160-164, 2014 (SCI-Expanded)
  13. **Supramolecular chemosensor for selective detection of iron in aqueous medium**  
Nadeem S., Shah M. R., Khan B., HODA N., TOPEL Ö.  
SUPRAMOLECULAR CHEMISTRY, vol.25, no.12, pp.798-805, 2013 (SCI-Expanded)
  14. **Fabrication of platinum nanoparticles in aqueous solution and solid phase using amphiphilic PB-b-PEO copolymer nanoreactors**  
HODA N., Budama L., Cakir B. A., Topel Ö., Ozisik R.  
MATERIALS RESEARCH BULLETIN, vol.48, no.9, pp.3183-3188, 2013 (SCI-Expanded)
  15. **A new strategy for producing antibacterial textile surfaces using silver nanoparticles**  
Budama L., Cakir B. A., TOPEL Ö., HODA N.  
CHEMICAL ENGINEERING JOURNAL, vol.228, pp.489-495, 2013 (SCI-Expanded)
  16. **Determination of critical micelle concentration of polybutadiene-block-poly(ethyleneoxide) diblock copolymer by fluorescence spectroscopy and dynamic light scattering**  
TOPEL Ö., Cakir B. A., Budama L., HODA N.  
JOURNAL OF MOLECULAR LIQUIDS, vol.177, pp.40-43, 2013 (SCI-Expanded)
  17. **Synthesis of ZnO nanoparticles using PS-b-PAA reverse micelle cores for UV protective, self-cleaning and antibacterial textile applications**  
Cakir B. A., Budama L., TOPEL Ö., HODA N.  
COLLOIDS AND SURFACES A-PHYSICO-CHEMICAL AND ENGINEERING ASPECTS, vol.414, pp.132-139, 2012 (SCI-Expanded)
  18. **Reactions and structures in the gallium(III)/indium(III)-N,N-dimethylthioformamide systems**  
Topel O., Persson I., Lundberg D., Ullstrom A.  
INORGANICA CHIMICA ACTA, vol.365, no.1, pp.220-224, 2011 (SCI-Expanded)
  19. **On the structure of the N,N'-dimethylpropyleneurea and dimethylsulfoxide solvated gallium(III) and indium(III) ions and bromide complexes in solution and solid state, and the complex formation of the gallium(III) and indium(III) bromide systems in N,N'-dimethylpropyleneurea**  
Topel O., Persson I., Lundberg D., Ullstrom A.  
INORGANICA CHIMICA ACTA, vol.363, no.5, pp.988-994, 2010 (SCI-Expanded)
  20. **Chemical characterization of the gallium(III) and indium(III) thiocyanate systems in aqueous and dimethylsulfoxide solution**  
Topel O., Persson I., Avşar E.  
JOURNAL OF MOLECULAR LIQUIDS, vol.143, no.2-3, pp.89-94, 2008 (SCI-Expanded)

## Articles Published in Other Journals

1. **Fabrication and characterization of TiO<sub>2</sub> nanoparticles conjugated luminescence upconversion nanoparticles**  
Topel S. D., Topel Ö., Cin G. T.  
BIOINTERFACE RESEARCH IN APPLIED CHEMISTRY, vol.8, no.3, pp.3197-3202, 2018 (Peer-Reviewed Journal)
2. **Complex formation of In(III) with the thiocyanate ion**

## Refereed Congress / Symposium Publications in Proceedings

- 1. Assessment of Hyperthermia Properties of Magnetic and Thermo-responsive Polymeric Nanomaterials**  
Kurniawan M. A., Topel Ö.  
NanoTR-18, İstanbul, Turkey, 26 - 28 August 2024, pp.315
- 2. Structural assessment of phosphopeptide enrichment potential of the newly developed lanthanide(III) ions based magnetic affinity materials**  
Topel Ö., Gök V., Aksu S., Persson I.  
NanoTR-17, İzmir, Turkey, 27 - 29 August 2023, pp.38
- 3. Preparation and Characterization of Thermo-Responsive Polymeric Micelles**  
Kansız S., Topel Ö.  
11th International Drug Chemistry Conference, Antalya, Turkey, 9 - 12 March 2023, pp.200
- 4. Fabrication and characterization of silver nanoparticles at room temperature using inula viscosa plant extract by green synthesis method**  
Zeybekoğlu Okka E., Tongur T., Aytas T. T., Yılmaz M., Topel Ö., Şahin R.  
TURKISH PHYSICAL SOCIETY 38th INTERNATIONAL PHYSICS CONGRESS, Muğla, Turkey, 31 August - 04 September 2022, pp.150
- 5. A Comprehensive in Vivo Study Using Drosophila melanogaster: New Insights into Mechanisms and Biological Effects of Permethrin Nanopesticides**  
DEMİR E., KANSIZ S., DOĞAN M., TOPEL Ö., AKKOYUNLU G., KANDUR M. Y.  
NANOTECH I BIOTECH FRANCE 2021 AND JOINT VIRTUAL CONFERENCES, France, 23 June 2021, pp.154
- 6. A SYSTEMATIC IN VIVO STUDY OF COPPER HYDROXIDE NANOPESTICIDES USING DROSOPHILA MELANOGASTER: CELLULAR UPTAKE AND BIOLOGICAL IMPACTS**  
DEMİR E., TOPEL Ö., KANSIZ S., AKKOYUNLU G., DOĞAN M., KANDUR M. Y.  
11th Congress of Toxicology in Developing Countries, Kuala-Lumpur, Malaysia, 13 June 2021, pp.92
- 7. A New Type Magnetic Affinity Chromatography Material for Phosphoprotein Enrichment**  
TOPEL Ö., GÖK V., AKSU S.  
NanoTR-15, Antalya, Turkey, 3 - 06 November 2019, pp.251
- 8. The Effect of Different Method and Synthesis Parameters on Size, Morphology and Shell Thickness of Silica Coated Magnetite (Fe<sub>3</sub>O<sub>4</sub>@SiO<sub>2</sub>) Core-Shell Nanoparticles**  
GÖK V., TOPEL Ö.  
NanoTR-15, Antalya, Turkey, 3 - 06 November 2019, pp.247
- 9. Synthesis of Magnetic Nanometal Oxides for Electromagnetic Radiation Absorbing Paints**  
Demirci G., Okuyucu S., Hoda N., Topel Ö.  
NanoTR-15, Antalya, Turkey, 3 - 06 November 2019, pp.248
- 10. Synthesis and Characterization of Neodymium Sensitized Upconversion Nanoparticles for Bioimaging Applications**  
TOPEL Ö., Demirel Topel S., ASİLTÜRK M.  
13th Nanoscience Nanotechnology Conference, Antalya, Turkey, 22 - 25 October 2017, pp.346
- 11. Magnetic-Upconversion Fe<sub>3</sub>O<sub>4</sub>-NaGdF<sub>4</sub>, Yb<sub>3</sub>, Er<sub>3</sub> Luminescence Nanocomposites: Synthesis, Magnetization, Optical Properties And Cytotoxicity**  
Demirel Topel S., DOĞAN BİNGÖLBALÍ N., ATEŞ B., TOPEL Ö., ASİLTÜRK M.  
13th Nanoscience Nanotechnology Conference, Antalya, Turkey, 22 - 25 October 2017, pp.167
- 12. Development of Multifunctional Cellulose Acetate Micro/Nanocapsules as pH-Responsive Drug Carriers**  
DEMİREL TOPEL S., ASİLTÜRK M., TOPEL Ö.

13th Nanoscience Nanotechnology Conference, Antalya, Turkey, 22 - 25 October 2017, pp.37

13. **Sinkrotron temelli bir teknik: X-ışını absorpsiyon spektroskopisi (XAFS)**  
TOPEL Ö., PERSSON I.  
XV. Ulusal Spektroskopi Kongresi, Yalova, Turkey, 17 - 19 May 2017, pp.44
14. **Fabrication and characterization of TiO<sub>2</sub> nanoparticles conjugated to Ce<sup>3+</sup> co-doped NaYF<sub>4</sub>: Yb<sup>3+</sup>, Er<sup>3+</sup> luminescence upconversion nanoparticles**  
Demirel TOPEL S., TOPEL Ö., TURGUT CİN G.  
7th International Advances in Applied Physics and Materials Science Congress, Muğla, Turkey, 22 - 26 April 2017, pp.422
15. **X ray absorption fine structure spectroscopy for characterization of local structures around metal ions in solution and complexes**  
TOPEL Ö.  
the 6th Internationally Participated Congress on Particle Accelerators and Applications, Muğla, Turkey, 29 - 30 August 2016
16. **Biyolojik uygulamalar için manyetik nanopartiküllerin sentezi ve karakterizasyonu**  
ARSLAN E., TOPEL Ö.  
7.Ulusal Kimya Öğrenci Kongresi, Ankara, Turkey, 19 - 21 May 2016
17. **Thermodynamic Characterization of Binding Sites in Nanometer sized Metal Oxide Surfaces in Aqueous Suspension**  
TOPEL Ö.  
34th International Conference on Solution Chemistry, 30 August - 03 September 2015
18. **Ters miseller içerisine Ag-TiO<sub>2</sub> nanopartikülleri sentezi ve fonksiyonel tekstil uygulamaları**  
HODA N., BUDAMA AKPOLAT L., TOPEL Ö., ACAR ÇAKIR B.  
27. Ulusal Kimya Kongresi, Çanakkale, Çanakkale, Turkey, 25 - 28 August 2015, pp.611
19. **Thermodynamics of interaction between L serine and TiO<sub>2</sub> nanoparticles**  
TOPEL Ö.  
XVIII ISBC Conference International Society for Biological, Lund, Sweden, 1 - 04 June 2014, pp.80
20. **Synthesis of single and bimetallic nanoparticles within PS b PAA reverse micelle cores**  
TOPEL Ö., ACAR ÇAKIR B., BUDAMA L., HODA N.  
European Cost Action MP0903 Nanoalloys, Genoa, Italy, 5 - 09 April 2014, pp.42
21. **Synthesis of TiO<sub>2</sub> nanoparticles in self assembling reverse micelle cores of PS b PAA for UV Protective and Self cleaning Textile Applications**  
TOPEL Ö., ACAR ÇAKIR B., BUDAMA L., HODA N.  
European Cost Action MP0903 Nanoalloys, Genoa, Italy, 5 - 09 April 2014, pp.91
22. **BODIPY conjugated magnetic nanoparticles**  
Demirel Topel S., TOPEL Ö., AKKAYA E. U.  
EMRS-Fall 2012 meeting, Warszawa, Poland, 17 - 21 September 2012, pp.29
23. **Antibacterial HEPA filter using PAN silver nanoparticle hybrid nanofibers WFC11 11th World Filtration Congress Graz Austria April 16 20 2012**  
HODA N., KARAAĞAÇLI M., TOPEL Ö.  
WFC11-11th World Filtration Congress, Graz, Austria, 16 - 20 April 2012
24. **Synthesis of Ag ZnO nanoparticles within reverse micelles**  
HODA N., BUDAMA L., ACAR B., TOPEL Ö.  
European Cost Action MP0903 Nanoalloys as advanced materials: from structure to properties and applications. Action Conference and MC meeting, Limerick, Ireland, 12 - 14 October 2011, pp.33
25. **Diblok kopolimer içerisinde Ag nanopartiküllerinin üretimi**  
HODA N., ACAR B., BUDAMA L., TOPEL Ö.  
2. Uluslararası katılımlı polimerik kompozitler sempozyum-sergi ve proje pazarı, İzmir, Turkey, 26 - 28 November 2010, pp.246-254
26. **Synthesis of platinum nanoparticles within diblock copolymer in liquid and solid phases**  
HODA N., ACAR B., BUDAMA L., TOPEL Ö.

- 11th Eurasia Conference on Chemical Sciences., Jordan, 6 - 10 October 2010, pp.114
27. **Determination of Critical Micelle Concentration cmc of PB b PEO Diblock Copolymer by Two Different Methods**  
TOPEL Ö., ACAR B., BUDAMA L., HODA N.  
6th Nanoscience and Nanotechnology Conference, İzmir, Turkey, 15 - 18 June 2010, pp.673
28. **Investigation of Reverse Micellar System of Polystyrene block polyacrylic acid in toluene**  
ACAR B., BUDAMA L., TOPEL Ö., HODA N.  
6th Nanoscience and Nanotechnology Conference, İzmir, Turkey, 15 - 18 June 2010, pp.676
29. **Synthesis of Silver Nanoparticles Using Reverse Micelle System**  
Budama L., Acar B., Topel Ö., Hoda N.  
6th Nanoscience and Nanotechnology Conference, İzmir, Turkey, 15 - 18 June 2010, pp.333
30. **Fabrication of Platinum Nanoparticles Using Amphiphilic Copolymer Template**  
HODA N., ACAR B., BUDAMA L., TOPEL Ö.  
6th Nanoscience and Nanotechnology Conference, İzmir, Turkey, 15 - 18 June 2010, pp.654
31. **Nanoteknoloji ile Antibakteriyel Kumaş Üretimi**  
TOPEL Ö., HODA N.  
Tekstil ve Konfeksiyon Sektöründe II. Ar-Ge Proje Pazarı Platformu, Bursa, Turkey, 18 February 2010, pp.113-114
32. **Galyum III ve indiyum III katyonlarının N N dimetil propilenüre DMPU ve N N dimetil tiyoformamit DMTF içerisindeki solvasyon yapılarının EXAFS spektroskopik ve kristallografik olarak belirlenmesi**  
TOPEL Ö., PERSSON I., Avşar E.  
XXII. Ulusal Kimya Kongresi, Gazimagusa, Cyprus (Kktc), 6 - 10 October 2008, pp.139
33. **Sulu çözeltide ve dimetilsulfoksit içindeki galyum III ve indiyum III tiyosiyanat kompleks oluşum sistemleri üzerine potansiyometrik kalorimetrik ve EXAFS spektroskopik bir çalışma**  
TOPEL Ö., PERSSON I., Avşar E.  
XXII. Ulusal Kimya Kongresi, Gazimagusa, Cyprus (Kktc), 6 - 10 October 2008, pp.140
34. **On complex formation in gallium III and indium III bromide systems in N N dimethylpropyleneurea and dimethyl sulfoxide A complex formation EXAFS spectroscopic and crystallographic study**  
TOPEL Ö., PERSSON I., Avşar E.  
Chemical Physics 08, İstanbul, Turkey, 24 - 25 April 2008, pp.73
35. **İndiyum III tiyosiyanat komplekslerinin ardışık oluşumu**  
TOPEL Ö., Avşar E.  
XVII. Ulusal Kimya Kongresi, Konya, Turkey, 10 - 13 September 2002, pp.497

## Academic and Administrative Experience

2019 - Continues	<b>Faculty Management Board Member</b>	Akdeniz University, Faculty Of Science, Department Of Chemistry
2014 - Continues	<b>Deputy Head of Department</b>	Akdeniz University, Faculty Of Science, Department Of Chemistry
2013 - 2013	<b>Doktora Sonrası Araştırmacı</b>	Sveriges Lantbruksuniversitet (The Swedish University of Agricultural Sciences), Department Of Chemistry
2009 - 2009	<b>Misafir Araştırmacı</b>	Sveriges Lantbruksuniversitet (The Swedish University of Agricultural Sciences), Department Of Chemistry
2006 - 2007	<b>Misafir Araştırmacı</b>	Sveriges Lantbruksuniversitet (The Swedish University of Agricultural Sciences), Department Of Chemistry

## Courses

Genel Kimya II, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015

Bitirme Çalışması II, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015

Genel Kimya Lab. II, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016

Danışmanlık, Doctorate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021

Bitirme Çalışması I, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015

Genel Kimya I, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016

Danışmanlık, Doctorate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021

Genel Kimya Lab. I, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016

Fiziksel Kimya I, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015

Uzmanlık Alan Dersi, Doctorate, 2021 - 2022

Bilimsel Araştırma Teknikleri ve Etik, Postgraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017

İleri Kimyasal Termodinamik, Doctorate, 2022 - 2023, 2019 - 2020, 2017 - 2018, 2015 - 2016, 2014 - 2015

X-Işını Karakterizasyon Yöntemleri, Doctorate, 2020 - 2021, 2018 - 2019, 2017 - 2018, 2015 - 2016

Uzmanlık Alan Dersi, Postgraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017

YL Danışmanlık, Postgraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017

Uzmanlık Alan Dersi, Doctorate, 2021 - 2022

Uzmanlık Alan Dersi, Postgraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017

YL Danışmanlık, Postgraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017

Genel Kimya II, Undergraduate, 2014 - 2015

Genel Kimya I, Undergraduate, 2014 - 2015

## Advising Theses

Topel Ö., Sıcaklık ve pH duyarlı polimerzomların hazırlanması, Postgraduate, S.KANSIZ(Student), 2021

Topel Ö., Fosfoproteom analizleri için manyetik özellikte yeni bir afinite kromatografi malzemesi, Postgraduate, V.GÖK(Student), 2020

Topel Ö., Hoda N., Elektromanyetik Radyasyonu Absorplayan Boyalar İçin Manyetik Nanometal Oksitlerin Sentezi, Postgraduate, G.DEMİRCİ(Student), 2019

## Scientific Refereeing

CHEMICAL ENGINEERING JOURNAL, SCI Journal, January 2024

JOURNAL OF MOLECULAR LIQUIDS, SCI Journal, June 2023

JOURNAL OF MOLECULAR LIQUIDS, SCI Journal, January 2023

Project Supported by Higher Education Institutions, BAP PhD, Akdeniz University, Turkey, November 2022

Project Supported by Higher Education Institutions, BAP PhD, Akdeniz University, Turkey, August 2021

Project Supported by Higher Education Institutions, BAP MSc, Akdeniz University, Turkey, March 2021

Project Supported by Higher Education Institutions, BAP PhD, Akdeniz University, Turkey, March 2021

Project Supported by Higher Education Institutions, BAP MSc, Akdeniz University, Turkey, October 2020



Project Supported by Higher Education Institutions, BAP PhD, Akdeniz University, Turkey, March 2020  
Project Supported by Higher Education Institutions, BAP MSc, Akdeniz University, Turkey, May 2019  
Project Supported by Higher Education Institutions, BAP MSc, Akdeniz University, Turkey, November 2018  
International Journal of Nanomedicine, SCI Journal, August 2017  
Project Supported by Higher Education Institutions, BAP PhD, Akdeniz University, Turkey, June 2017  
ACS Applied Materials and Interfaces, SCI Journal, May 2017  
Journal of the Chemical Society of Pakistan, Other Indexed Journal, March 2017  
Project Supported by Higher Education Institutions, BAP Research Project, Akdeniz University, Turkey, February 2017  
International Journal of Nanomedicine, SCI Journal, December 2016  
Project Supported by Higher Education Institutions, BAP Research Project, Akdeniz University, Turkey, October 2016  
International Journal of Nanomedicine, SCI Journal, July 2016  
International Journal of Nanomedicine, SCI Journal, April 2016  
Carbohydrate Polymer, SCI Journal, April 2016  
Brazilian Journal of Chemical Engineering, SCI Journal, December 2015  
Scientific Reports, SCI Journal, May 2014

## Mobility Activity

Post Doc, Post Doc, Sveriges Lantbruksuniversitet (The Swedish University of Agricultural Sciences), Sweden, 2013 - 2013  
Research Scholarship Program, Guest Researcher, Sveriges Lantbruksuniversitet (The Swedish University of Agricultural Sciences), Sweden, 2009 - 2009  
Research Scholarship Program, Research During Graduate Education, Sveriges Lantbruksuniversitet (The Swedish University of Agricultural Sciences), Sweden, 2006 - 2007

## Metrics

Publication: 57  
Citation (WoS): 507  
Citation (Scopus): 553  
H-Index (WoS): 8  
H-Index (Scopus): 9

## Congress and Symposium Activities

NanoTR-17, Attendee, İzmir, Turkey, 2023  
11th International Drug Chemistry Conference, Attendee, Antalya, Turkey, 2023  
NanoTR-15, Attendee, Antalya, Turkey, 2019  
13th Nanoscience & Nanotechnology Conference, Attendee, Antalya, Turkey, 2017  
XV. Ulusal Spektroskopi Kongresi, Attendee, Yalova, Turkey, 2017  
7th International Advances in Applied Physics and Materials Science Congress, Attendee, Muğla, Turkey, 2017  
VI. Uluslararası Katılımlı Parçacık Hızlandırıcıları ve Uygulamaları Kongresi, Attendee, Muğla, Turkey, 2016  
7.Ulusal Kimya Öğrenci Kongresi, Attendee, Ankara, Turkey, 2016  
34th International Conference on Solution Chemistry, Attendee, Praha, Czech Republic, 2015  
XVIII ISBC Conference International Society for Biological Calorimetry, Attendee, Lund, Sweden, 2014  
European Cost Action MP0903 Nanoalloys, Attendee, Genova, Italy, 2014  
EMRS-Fall 2012 meeting. BODIPY-conjugated magnetic nanoparticles., Attendee, Warszawa, Poland, 2012  
WFC11-11th World Filtration Congress, Attendee, Graz, Austria, 2012

European Cost Action MP0903 Nanoalloys, Attendee, Limerick, Ireland, 2011

2. Uluslararası katılımlı polimerik kompozitler sempozyum-sergi ve proje pazarı, Attendee, İzmir, Turkey, 2010

11th Eurasia Conference on Chemical Sciences, Attendee, Ammân, Jordan, 2010

6th Nanoscience and Nanotechnology Conference, Attendee, İzmir, Turkey, 2010

Tekstil ve Konfeksiyon Sektöründe II. Ar-Ge Proje Pazarı Platformu, Attendee, Bursa, Turkey, 2010

XXII. Ulusal Kimya Kongresi, Attendee, Gazimagusa, Cyprus (Kkct), 2008

Chemical Physics 08, Attendee, İstanbul, Turkey, 2008

XVII. Ulusal Kimya Kongresi, Attendee, Konya, Turkey, 2002

## Research Areas

Chemistry, Physical Chemistry, nanocomposites, Medical Applications of Polymers, Thermodynamics, Inorganic Chemistry, Coordination Chemistry, Natural Sciences

## Non Academic Experience

University, SLU(Sveriges lantbruksuniversitet), Uppsala, Chemistry

Türk Silahlı Kuvvetler

University, SLU(Sveriges lantbruksuniversitet) , Uppsala, Chemistry

University, SLU(Sveriges lantbruksuniversitet), Uppsala, Chemistry