

Lect. PhD LEYLA BUDAMA AKPOLAT

Personal Information

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International Researcher IDs

ORCID: 0000-0002-2271-1116

Publons / Web Of Science ResearcherID: I-9457-2017

Yoksis Researcher ID: 202045

Education Information

2011 - 2018	Doctorate, Akdeniz University, Faculty Of Science, Department of Chemistry, Turkey
2008 - 2011	Postgraduate, Akdeniz University, Faculty Of Science, Department of Chemistry, Turkey
2004 - 2008	Undergraduate, Akdeniz University, Faculty Of Science, Department of Chemistry, Turkey

Foreign Languages

English, B2 Upper Intermediate

Dissertations

2015	Ag nanopartiküllerin bitki ekstraktlarından sentezi, karakterizasyonu ve polilaktikasit polimerine katkılanarak elektro lif çekim yöntemiyle elde edilen liflerin özelliklerinin belirlenmesi , Akdeniz University, Faculty of Science, Kimya Anabilim Dalı, Doctorate
2011	TERS MİSEL SİSTEMİ KULLANARAK GÜMÜŞ NANOPARTİKÜL SENTEZİ VE KARAKTERİZASYONU, Akdeniz University, Faculty of Science, Department of Chemistry, Postgraduate

Research Areas

Chemistry, Inorganic Chemistry, nanoclusters, Natural Sciences

Academic Titles / Tasks

2018 - Continues	Lecturer PhD, Akdeniz University, Korkuteli Vocational School, Department Of Plant And Animal Production
2011 - 2017	Research Assistant, Akdeniz University, Faculty of Science, Department of Chemistry

Courses

2023 - 2024, 2022 - 2023, 2021 - 2022	İşçi Sağlığı ve İş Güvenliği, Associate Degree
2023 - 2024, 2022 - 2023	Girişimcilik, Associate Degree

2023 - 2024, 2022 -	KALİTE GÜVENCE VE STANDARTLAR, Associate Degree
2023, 2021 - 2022,	
2020 - 2021	
2023 - 2024, 2022 -	Bahçe Ürünlerinin Muhafazası, Associate Degree
2023	
2023 - 2024, 2022 -	ARAŞTIRMA YÖNTEM VE TEKNİKLERİ, Associate Degree
2023, 2021 - 2022	
2023 - 2024, 2022 -	KİMYA, Associate Degree
2023, 2020 - 2021	
2022 - 2023, 2021 -	ÇEVRE KORUMA, Associate Degree
2022	
2021 - 2022	İlk Yardım, Associate Degree
2018 - 2019	İNGİLİZCE- I, Associate Degree

Published journal articles indexed by SCI, SSCI, and AHCI

- I. Adsorption of dimethyl disulfide onto activated carbon cloth
Mert Sivri F., Hoda N., Topuz A., Budama Akpolat L., Eroğlu E.
Turkish Journal of Chemistry, vol.46, no.3, pp.859-868, 2022 (SCI-Expanded)
- II. 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)
- III. 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)
- IV. 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)
- V. 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-PHYSICOCHEMICAL AND ENGINEERING ASPECTS, vol.414, pp.132-139, 2012 (SCI-Expanded)
- VI. Antibacterial glass films prepared on metal surfaces by sol-gel method
KIRAZ N., Kesmez Ö., BURUNKAYA E., Budama L., ACAR B., Asilturk M., ÇAMURLU H. E., ARPAÇ E.
JOURNAL OF SOL-GEL SCIENCE AND TECHNOLOGY, vol.56, no.3, pp.227-235, 2010 (SCI-Expanded)

Articles Published in Other Journals

- I. Biosynthesis of Bimetallic Ag-Au (core-shell) Nanoparticles Using Aqueous Extract of Bay Leaves (*Laurus nobilis* L.)
HODA N., BUDAMA AKPOLAT L., MERT SİVRİ F., Kurtuluş D.
Journal of the Turkish Chemical Society Section A: Chemistry, vol.8, 2021 (Scopus)

Refereed Congress / Symposium Publications in Proceedings

- I. SYNTHESIS OF Ag, Au and BIMETALIC Ag-Au NANOPARTICLES USING AQUEOUS TURMERIC EXTRACT

- HODA N., BUDAMA AKPOLAT L., MERT F., Ambreen N.
5th International Conference on Materials Science and Nanotechnology For Next Generation (MSNG-2018),
Nevşehir, Turkey, 4 - 06 October 2018
- II. **SYNTHESIS OF GOLD NANOPARTICLES USING AQUEOUS TURMERIC EXTRACT**
HODA N., BUDAMA AKPOLAT L., Demirhan T., Ambreen N.
13th Nanoscience Nanotechnology Conference, Antalya, Turkey, 22 - 25 October 2017
- III. **Şerbetçi otu (Humulus Lupulus L.) ekstraktında Ag nanopartikülleri sentezi ve karakterizasyonu**
HODA N., BUDAMA AKPOLAT L.
VI. Ulusal Anorganik Kimya Kongresi, Burdur, Turkey, 18 - 21 May 2017, pp.83
- IV. **SYNTHESIS OF SILVER NANOPARTICLES USING AQUEOUS OLIVE OLEA EUROPAEA L TREE LEAVES EXTRACT**
HODA N., BUDAMA AKPOLAT L., DEMİRİAN T.
WORLD CONGRESS ON ENGGINEERING AND APPLICATIONS, 16 - 17 December 2016
- V. **Gas phase adsorption of dimethyl sulfide on activated carbon cloth GDSEL651**
HODA N., TOPUZ A., MERT F., BUDAMA AKPOLAT L., EROĞLU E.
FILTECH, 24 - 26 February 2015
- VI. **Ters miseller içeresine Ag-TiO₂ 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
- VII. **Silika ile modifiye edilmiş Fe₃O₄ nanopartikül sentezi ve karakterizasyonu**
HODA N., BUDAMA L., YARBASAN D., GÜNEŞOĞLU C.
27. Ulusal Kimya Kongresi, Çanakkale, Turkey, 23 - 28 August 2015, pp.1
- VIII. **Yeşil kimya ile üretilmiş Ag nanopartiküllerinin nanoliflere uygulanması**
HODA N., Kara F., BUDAMA L., Ambreen N.
27. Ulusal Kimya Kongresi, Çanakkale, Turkey, 23 - 28 August 2015, pp.1-2
- IX. **Yeşil kimya ile Au-Ag bimetalik nanopartiküllerinin sentezlenmesi ve nanoliflere uygulanması**
HODA N., BUDAMA L.
27. Ulusal Kimya Kongresi, Çanakkale, Turkey, 23 - 28 August 2015, pp.1-2
- X. **Ters Miseller içerisinde Ag-TiO₂ nanopartikülleri sentezi ve fonksiyonel tekstil uygulamaları**
HODA N., BUDAMA L., TOPEL Ö., Acar Çakır B.
27. Ulusal Kimya Kongresi, Çanakkale, Turkey, 23 - 28 August 2015, pp.1
- XI. **Synthesis and characterization of citric acid and sodium citrate coated Fe₃O₄ nanoparticles**
YARBASAN D., BUDAMA AKPOLAT L., HODA N., GÜNEŞOĞLU C.
NANOTR-11, 22 - 25 June 2015
- XII. **Biogenic synthesis of bimetallic nanoparticles using plant extract and their nanofiber application**
AMBREEN N., BUDAMA AKPOLAT L., HODA N.
NANOTR-11, 22 - 25 June 2015
- XIII. **GAS PHASE ADSORPTION OF DIMETHYL DISULFIDE ON ACTIVATED CARBON CLOTH GDSEL651**
HODA N., TOPUZ A., Firdevs M., BUDAMA L., Eroğlu E.
FILTECH-THE FILTRATION EVENT 2015, 24 - 26 February 2015
- XIV. **Gas Phase Adsorption of Dimethyl Sulfide on Activated Carbon Cloth (GDSEL651)**
HODA N., TOPUZ A., MERT SİVRİ F., BUDAMA AKPOLAT L., EROĞLU E.
Filtech 2015, Germany, 24 February 2015
- XV. **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
- XVI. **Synthesis of TiO₂ 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
- XVII. **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
- XVIII. **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
- XIX. **Determination of Critical Micelle Concentration (cmc) of PB-b-PEO Diblock Copolymer by Two Different Methods**
 TOPEL Ö., Acar B., BUDAMA AKPOLAT L., HODA N.
 6. Nanoscience and Nanotechnology Conference, İzmir, Turkey, 15 June 2010
- XX. **INVESTIGATION OF REVERSE MICELLAR SYSTEM OF POLYSTYRENE-BLOCK-POLYACRYLIC ACID IN TOLUENE**
 Acar B., BUDAMA AKPOLAT L., TOPEL Ö., HODA N.
 6. Nanoscience and Nanotechnology Conference, İzmir, Turkey, 15 June 2010
- XXI. **Synthesis of Silver Nanoparticles Using Reverse Micelle System**
 BUDAMA AKPOLAT L., Acar B., TOPEL Ö., HODA N.
 6. Nanoscience and Nanotechnology Conference, İzmir, Turkey, 15 June 2010
- XXII. **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
- XXIII. **Optimization of biodiesel production from cottonseed oil by transesterification using NaOH and methanol**
 HODA N., ERZENGİN M., BUDAMA L.
 10th congress of international mechanization and energy in agriculture, 14 - 17 October 2008

Supported Projects

2015 - 2018	Ag nanopartiküllerin bitki ekstraktlarından sentezi karakterizasyonu ve polilaktikasit polimerine katkılanarak elektro lif çekim yöntemiyle elde edilen liflerin özelliklerinin belirlenmesi, Project Supported by Higher Education Institutions
2014 - 2017	BİTKİ EKSTRAKTları KULLANARAK BİMETALİK NANOPARTİKÜL SENTEZ ÇALIŞMALARI, Project Supported by Higher Education Institutions

Scientific Refereeing

June 2023	INTERNATIONAL JOURNAL OF SECONDARY METABOLITE, National Scientific Refreed Journal
July 2022	Bayburt Üniversitesi Fen Bilimleri Dergisi, National Scientific Refreed Journal

Metrics

Publication: 30
 Citation (WoS): 322
 Citation (Scopus): 436
 H-Index (WoS): 4
 H-Index (Scopus): 5

Congress and Symposium Activities

- 2015 YEŞİL KİMYA İLE Au-Ag BİMETALİK NANOPARTİKÜLLERİNİN SENTEZLENMESİ VE NANOLİFLERE UYGULANMASI, Attendee, Çanakkale, Turkey
- 2015 Synthesis and characterization of citric acid and sodium citrate coated Fe₃O₄ nanoparticles, Attendee, Ankara, Turkey
- 2015 Biogenic synthesis of bimetallic nanoparticles using plant extract and their nanofiber application, Attendee, Turkey
- 2010 Determination of Critical Micelle Concentration (cmc) of PB-b-PEO Diblock Copolymer by Two Different Methods, Attendee, İzmir, Turkey
- 2010 Synthesis of Silver Nanoparticles Using Reverse Micelle System, Attendee, İzmir, Turkey
- 2010 Investigation of Reverse Micellar System of Polystyrene-block-polyacrylic acid in Toluene, Attendee, Turkey
- 2010 Fabrication of Platinum Nanoparticles Using Amphiphilic Copolymer Template, Attendee, Turkey