

# 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 polilaktasit 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

### Associate Degree

2024 - 2025	TEMEL LABORATUVAR BİLGİSİ
2023 - 2024, 2022 - 2023, 2021 - 2022	İşçi Sağlığı ve İş Güvenliği
2023 - 2024, 2022 - 2023	Girişimcilik

2024 - 2025, 2023 - 2024, 2022 - 2023	Bahçe Ürünlerinin Muhafazası
2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021	KALİTE GÜVENÇE VE STANDARTLAR
2024 - 2025, 2023 - 2024, 2022 - 2023, 2021 - 2022	ARAŞTIRMA YÖNTEM VE TEKNİKLERİ
2024 - 2025, 2023 - 2024, 2022 - 2023, 2020 - 2021	KİMYA
2022 - 2023, 2021 - 2022	ÇEVRE KORUMA
2021 - 2022	İlk Yardım
2020 - 2021	İNGİLİZCE II
2018 - 2019	BİLGİ VE İLETİŞİM TEKNOLOJİLERİ
2018 - 2019	İLETİŞİM
2018 - 2019	İNGİLİZCE- I

## Papers Published in Refereed Scientific Meetings

- 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., DEMİRHAN T.  
WORLD CONGRESS ON ENGINEERING 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 içerisinde 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
- VII. **Silika ile modifiye edilmiş Fe<sub>3</sub>O<sub>4</sub> 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 bimetallik 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-TiO<sub>2</sub> 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 Fe<sub>3</sub>O<sub>4</sub> 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 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
- 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 polilaktasit polimerine katılarak elektro lif çekim yöntemiyle elde edilen liflerin özelliklerinin belirlenmesi, Project Supported by Higher Education Institutions
2014 - 2017	BİTKİ EKSTRAKTLARI KULLANARAK BİMETALİK NANOPARTİKÜL SENTEZ ÇALIŞMALARI, Project Supported by Higher Education Institutions

## Peer Reviews in Scientific Publications

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): 466  
H-Index (WoS): 4  
H-Index (Scopus): 6

## Congress and Symposium Activities

2015	YEŞİL KİMYA İLE Au-Ag BİMETALİK NANOPARTİKÜLLERİNİN SENTEZLENMESİ VE NANOLİFLERE UYGULANMASI, Attendee, Çanakkale, Turkey
2015	Biogenic synthesis of bimetallic nanoparticles using plant extract and their nanofiber application, Attendee, Turkey
2015	Synthesis and characterization of citric acid and sodium citrate coated Fe <sub>3</sub> O <sub>4</sub> nanoparticles, Attendee, Ankara, Turkey
2010	Synthesis of Silver Nanoparticles Using Reverse Micelle System, Attendee, İzmir, Turkey
2010	Determination of Critical Micelle Concentration (cmc) of PB-b-PEO Diblock Copolymer by Two Different Methods, 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