

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

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

2023 - 2024, 2022 -	
2023, 2021 - 2022,	KALİTE GÜVENÇE VE STANDARTLAR, Associate Degree
2020 - 2021	
2023 - 2024, 2022 -	
2023	Bahçe Ürünlerinin Muhafazası, Associate Degree
2023 - 2024, 2022 -	
2023, 2021 - 2022	ARAŞTIRMA YÖNTEM VE TEKNİKLERİ, Associate Degree
2023 - 2024, 2022 -	
2023, 2020 - 2021	KİMYA, Associate Degree
2022 - 2023, 2021 -	
2022	ÇEVRE KORUMA, Associate Degree
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**
KİRAZ 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., 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-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 polilaktik asit polimerine katkılanarak 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

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 Fe ₃ O ₄ 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