

Expert PhD SENEM ÇİTOĞLU

Personal Information

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International Researcher IDs

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Foreign Languages

French, A2 Elementary

English, C1 Advanced

Certificates, Courses and Trainings

Quality Management, ISO 13485:2016 Quality Management System for Medical Devices Training Certification, PREM Engineering, Research and Development Industry and Trade Limited Company, İstanbul, Turkey , 2021

Vocational Training, International School on Nitride Materials and Devices, Bilkent University, 2016

Vocational Course, Experimental Animal Usage Certification by Ethical Committee, Hacettepe University, Republic of Turkey, No: 220, Class: B, 2014., 2014

Research Areas

Biomaterials, Material Characterization, Nanomaterials, Physics

Academic Titles / Tasks

Lecturer PhD, Acibadem Mehmet Ali Aydinlar University, Faculty Of Pharmacy, 2021 - Continues

Researcher, Acibadem Mehmet Ali Aydinlar University, Graduate School Of Natural And Applied Sciences, 2020 - Continues

Researcher, University College London, Mathematical & Physical Sciences, Department of Physics & Astronomy, 2022 - 2022

Researcher, Tobb University Of Economics And Technology, Faculty Of Engineering, Department Of Materials Science And Nanotechnology Engineering, 2019 - 2020

Courses

Physics, Undergraduate, 2022 - 2023, 2021 - 2022

Published journal articles indexed by SCI, SSCI, and AHCI

1. Poly(3-hexylthiophene) stabilized ultrafine nickel oxide nanoparticles as superior electrocatalyst

for oxygen evolution reaction: Catalyst design through synergistic combination of pi-conjugated polymers and metal-based nanoparticles

Iftikhar S., Aslam S., Duran H., Citoglu S., Kirchhoff K., Lieberwirth I., Sohail M., Yameen B.

JOURNAL OF APPLIED POLYMER SCIENCE, vol.139, no.29, 2022 (SCI-Expanded)

II. Evaluation of Amine Functionalized Thermal Power Plant Solid Waste for Industrial Wastewater Remediation

Kozbek A. Y., Şahin K., Sari E., Bedir E., Yüce F. G., Çitoğlu S., Duran H.

Adsorption Science and Technology, vol.2022, 2022 (SCI-Expanded)

III. Ultraviolet-Printing-Assisted Surface-Confined Growth of Silver Nanoparticles on Flexible Polymer Films for Cu²⁺ and H₂S Sensing

Ashfaq B., Azeem I., Sohail M., Yuce F. G., ÇİTOĞLU S., Nayab S., Abdullah M., Duran H., Yameen B.

ACS APPLIED NANO MATERIALS, vol.4, no.8, pp.8200-8216, 2021 (SCI-Expanded)

IV. DMSA-coated cubic iron oxide nanoparticles as potential therapeutic agents

Citoglu S., Coskun O. D., Tung L. D., Onur M. A., Kim Thanh N. T.

NANOMEDICINE, vol.16, no.11, 2021 (SCI-Expanded)

V. Synthesis and Magneto-Thermal properties of NiPd nanoparticles

Citoglu S., Coskun M., Firat T.

MATERIALS CHEMISTRY AND PHYSICS, vol.211, pp.489-500, 2018 (SCI-Expanded)

Articles Published in Other Journals

I. The Magnetic Anisotropy Effectiveness on NiFe₂O₄ and NiFe₂O₄@SiO₂ Nanoparticles for Hyperthermia Applications

COŞKUN M., ÇİTOĞLU S., KORKMAZ M., FIRAT T.

Cumhuriyet Science Journal, vol.38, no.4, pp.193-205, 2017 (Peer-Reviewed Journal)

II. SiO₂ Kaplı Fe₃O₄ Nanoparçacıkların Sentezlenmesi ve Karakterizasyonu

Coşkun M., Çitoğlu S.

Balıkesir Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.19, no.2, pp.227-236, 2017 (Peer-Reviewed Journal)

Books & Book Chapters

I. Nano-Mikrobiyomalzemelerin biyoteknolojide işlevi

Kenar H., Yücel D., Çitoğlu S., Hasırcı V. N.

in: Nanobiyoteknoloji, Ata Akın, Editor, Türkiye Klinikleri Yayınevi, Ankara, pp.47-57, 2021

II. Design of Functionalized Magnetic Nanoparticles for Improving Stabilization, Biocompatibility and/or Uptake Efficiency

Azeem I., Çitoğlu S., Duran H., Yameen B.

in: Analytical Applications of Functionalized Magnetic Nanoparticles, Chaudhery Mustansar Hussain, Editor, Royal Society of Chemistry, Washington, pp.20-53, 2021

III. Toxicity, Safety and Risk and Legal Aspects of Functionalized Magnetic Nanoparticles

Çitoğlu S., Yüce F. G., Duran H.

in: Analytical Applications of Functionalized Magnetic Nanoparticles, Chaudhery Mustansar Hussain, Editor, Royal Society of Chemistry, Washington, pp.505-526, 2021

Refereed Congress / Symposium Publications in Proceedings

I. Effect Of Iron Oxide Nanoparticle Surface Chemistry On Magnetic Property And Cytotoxicity On Hela Cells

Çitoğlu S., Onur M. A., Duyar Coşkun Ö.

Scientific and Clinical Applications of Magnetic Carriers, London, England, 14 - 17 June 2022, pp.89

II. Dimercaptosuccinic acid (DMSA) coated cubic magnetite nanoparticles: Synthesis, characterization and their potential for hyperthermia

Coşkun M., Çitoğlu S., Can M. M.

M-BIO 2017 Biomedical Applications of Magnetic Nanoparticles, İstanbul, Turkey, 11 - 12 September 2017

III. Ferrite Nanoparçacıkların Parçacık Büyüklüğü Bağımlı Manyetik Alana Karşı Tepkileri ve Hipertermia Uygulamalarına Uygunluğu

Coşkun M., Çelik Ö., Çitoğlu S., Can M. M., Fırat T.

21. Ankara Yoğun Madde Fiziği Toplantısı, Ankara, Turkey, 25 December 2015, no.25, pp.8

IV. Magnetic Structure of Ferrite Nanoparticles and Usefulness of Ferrites in Hipertermia Applications

Coşkun M., Çitoğlu S., Shawuti S., Can M. M., Fırat T.

M-BIO 2017 Biomedical Applications of Magnetic Nanoparticles, İstanbul, Turkey, 11 - 12 September 2017

V. (3-Aminopropyl) triethoxylane (APTES) Coated Cubic Magnetite Nanoparticles for Hyperthermia: Preparation and Characterization

Coşkun M., Çitoğlu S.

9th International Physics Conference of the Balkan Physical Union, İstanbul, Turkey, 24 - 27 August 2015

VI. Surface Oxidation Effect on the Verwey Transition in Cubic Magnetite Nanoparticles

Coşkun M., Çitoğlu S., Edvinsson T., Wetterskog E., Svedlindh P.

20th International Conference on Magnetism, Barcelona, Spain, 5 - 10 July 2015

VII. Synthesis and FMR Study of Fe₃O₄ Nanoparticles

Ersoy N., Çitoğlu S., Çolak Ş., Coşkun M.

Nanoscience and Nanotechnology for Next Generation (NaNoNG) , Elazığ, Turkey, 20 August 2014

VIII. SiO₂ Kaplı Kübik Fe₃O₄ Nanoparçacıklarının Özelliklerinin Belirlenmesi

Çitoğlu S., Coşkun M.

Türk Fizik Derneği 31. Uluslararası Fizik Kongresi, Muğla, Turkey, 21 - 24 July 2014

IX. Nikel Ferrit Nanoparçacıkların Seyreltme ile Değişen Özelliklerinin Ferromagnetik Rezonans Tekniği ile Belirlenmesi

Çitoğlu S., Coşkun M.

19. Ankara Yoğun Madde Fiziği Toplantısı, Ankara, Turkey, 20 December 2013, no.20, pp.20

X. Synthesis of SiO₂ Encapsulated NiFe₂O₄ Nanoparticles for Magnetically Induced Hyperthermia

Çitoğlu S., Coşkun M., Fırat T.

8. Türkiye Nanobilim ve Nanoteknoloji Konferansı, Ankara, Turkey, 25 - 29 June 2012, no.521, pp.72

XI. Synthesis of Ni_{0.7}Pd_{0.3} Nanoalloy and Its Magneto-Thermal Properties

Çitoğlu S., Coşkun M., Çelik Ö., Fırat T.

8. Türkiye Nanobilim ve Nanoteknoloji Konferansı, Ankara, Turkey, 25 - 29 June 2012, no.716, pp.101

XII. NiPd Magnetik Nanoparçacıklarının Sentezi ve Magnetik Özellikleri

Çitoğlu S., Çelik Ö., Şimşek T., Özcan Ş., Fırat T.

18. Yoğun Madde Fiziği Toplantısı, Ankara, Turkey, 25 November 2011, pp.6

Supported Projects

Çitoğlu S., Thanh N. T. K., Other International Funding Programs, Synthesis of Magnetic Nanoparticles for Application in MFH and/or Anticancer Drug Delivery, 2022 - 2022

Duran H., TUBITAK Project, Yoğunlaştırılmış güneş enerjisi santrallerinde kullanılmak üzere termofiziksel özellikleri iyileştirilmiş nitrat bazlı tuz eriyik/nanogözenekli alumina membran kompozit yapıların tasarlanması, 2018 - 2021

Çitoğlu S., Coşkun M., Project Supported by Higher Education Institutions, SiO₂ Kaplı Farklı Büyüklüklerde Fe₃O₄ Nanoparçacıkların Sentezlenmesi, 2014 - 2014

Fırat T., Ceyhan A., TUBITAK Project, Silika Kaplı Magnetik Nanoparçacıkların Sentezi ve Magneto-Isıl Özelliklerinin İncelenmesi, 2010 - 2012

Metrics

Publication: 22

Citation (WoS): 8

Citation (Scopus): 8

H-Index (WoS): 2

H-Index (Scopus): 2

Scholarships

2211-C National PhD Scholarship for Priority Areas, March 2016, TUBITAK, 2016 - 2019