

Lect. PhD METEHAN ÖNAL

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: IZD-5504-2023

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Education Information

Doctorate, Bilecik Seyh Edebali University, Institute Of Graduate Education, Turkey 2020 - 2024

Postgraduate, Bilecik Seyh Edebali University, Fen Bilimleri Enstitüsü, Enerji Sistemleri Mühendisliği (YI) (Tezli), Turkey 2018 - 2020

Undergraduate, Kocaeli University, Fen Bilimleri Enstitüsü, Elektrik Eğitimi Anabilim Dalı, Turkey 1995 - 2000

Foreign Languages

English, B2 Upper Intermediate

Research Areas

Renewable energy, Interdisciplinary Physics and Related Science and Technology Areas, Intensive Article 2: Electronic Structure, Electric, Magnetic and Optical Properties

Academic and Administrative Experience

Bilecik Seyh Edebali University, 2009 - 2014

Courses

GÜÇ ELEKTRONİĞİ, Associate Degree, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2013 - 2014

SAYISAL TASARIM, Associate Degree, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2013 - 2014

DOĞRU AKIM DEVRE ANALİZİ, Associate Degree, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2013 - 2014

SARIM TEKNİĞİ, Associate Degree, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2013 - 2014

ELEKTRİK KUVVET PROJELERİ, Associate Degree, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2013 - 2014

SİSTEM ANALİZİ VE TASARIMI, Associate Degree, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2013 - 2014

ALTERNATİF AKIM DEVRE ANALİZİ, Associate Degree, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2013 - 2014

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **A New Approach in Chemical Bath Deposition of Cadmium Selenium Thin Films**
Önal M., Altıokka B.
Physica Status Solidi (A) Applications and Materials Science, 2024 (SCI-Expanded)
- II. **Effects of Sodium Sulphide as an Inhibitor on CdS Films Obtained by Chemical Bath Deposition**
ÖNAL M., ALTIOKKA B.
Acta Physica Polonica A, vol.143, no.5, pp.355-361, 2023 (SCI-Expanded)
- III. **Production of PbS by the method of chemical bath deposition at relatively low solution temperatures**
ALTIOKKA B., ÖNAL M.
Journal of Optoelectronics and Advanced Materials, vol.25, no.1-2, pp.42-48, 2023 (SCI-Expanded)
- IV. **Chemically deposited ZnO thin films at relatively high temperatures**
ÖNAL M., ALTIOKKA B.
Journal of Optoelectronics and Advanced Materials, vol.25, no.1-2, pp.83-88, 2023 (SCI-Expanded)
- V. **Optimization of EDTA–Ammonia Ratio for Chemically Deposited Layers of ZnO Nanoparticles**
ÖNAL M., ALTIOKKA B.
Crystallography Reports, vol.65, no.7, pp.1237-1241, 2020 (SCI-Expanded)
- VI. **Chemical deposition of CdS thin films in the hexagonal phase without annealing**
ÖNAL M., ALTIOKKA B.
Emerging Materials Research, vol.9, no.3, pp.738-742, 2020 (SCI-Expanded)
- VII. **Effect of stirring on chemically deposited ZnO thin films**
ÖNAL M., ALTIOKKA B.
Acta Physica Polonica A, vol.137, no.6, pp.1209-1213, 2020 (SCI-Expanded)
- VIII. **Pinhole-free PbS thin film production using a low-temperature chemical bath deposition method**
ÖNAL M., ALTIOKKA B.
Journal of Nano Research, vol.63, pp.1-9, 2020 (SCI-Expanded)

Articles Published in Other Journals

- I. **EFFECTS of LOW REACTION RATE on ZNO THIN FILMS PRODUCED by a CHEMICAL BATH DEPOSITION METHOD**
ÖNAL M., ALTIOKKA B.
Journal of scientific reports-A (Online), no.050, pp.124-136, 2022 (Peer-Reviewed Journal)
- II. **CHEMICAL BATH DEPOSITION OF PbS THIN FILMS**
ÖNAL M., ALTIOKKA B.
Muğla Journal of Science and Technology, vol.6, no.2, pp.94-98, 2020 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **EFFECTS OF HIGH BATH TEMPERATURES ON CdS THIN FILMS OBTAINED BY CHEMICAL BATH DEPOSITION**
ÖNAL M., ALTIOKKA B.
INTERNATIONAL AEGEAN CONFERENCES ON NATURAL & MEDICAL SCIENCES-VI December 20-22, 2022, İzmir, Turkey, 20 December 2022, pp.183-192
- II. **INHIBITORY EFFECT On Pbs THIN FILMS PRODUCED At DIFFERENT TEMPERATURES**
ÖNAL M., ALTIOKKA B.
4. INTERNATIONAL PALANDOKEN SCIENTIFIC STUDIES CONGRESS, Erzurum, Turkey, 28 April 2022
- III. **The effect of TEA's amount on chemically deposited ZnO thin films.**
ÖNAL M., ALTIOKKA B.
(PCFM) PHYSICALCHEMISTRY FUNCTIONALMATERIALS, 25 - 27 June 2019