

Lect. PhD HALİL EŞGIN

Personal Information

Office Phone: [+90 322 338 6084](tel:+903223386084)

Fax Phone: [+90 322 338 6084](tel:+903223386084)

Email: hesgin@cu.edu.tr

Other Email: esginalil@gmail.com

Web: <https://avesis.cu.edu.tr/hesgin>

International Researcher IDs

ScholarID: DL19nxwAAAAJ

ORCID: 0000-0003-1846-4332

Yoksis Researcher ID: 223847

Education Information

Doctorate, Anadolu University, Institute Of Science, Kathal Fiziği, Turkey 2015 - 2021

Postgraduate, Anadolu University, Institute Of Science, Kathal Fiziği, Turkey 2011 - 2014

Undergraduate, Anadolu University, Faculty Of Science, Department Of Physics, Turkey 2005 - 2011

Research Areas

Condensed Matter 1: Structural, Mechanical and Thermal Properties, Intensive Article 2: Electronic Structure, Electric, Magnetic and Optical Properties

Academic Titles / Tasks

Lecturer, Bartın University, Rectorate, Rektörlük, 2014 - 2019

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Immobilization Horseradish Peroxidase onto UiO-66-NH₂ for Biodegradation of Organic Dyes**
Kurtuldu A., Esgin H., Yetim N. K., Semerci F.
JOURNAL OF INORGANIC AND ORGANOMETALLIC POLYMERS AND MATERIALS, vol.32, no.8, pp.2901-2909, 2022
(SCI-Expanded)
- II. **Fabrication and characterization of green synthesized ZnO nanoparticle based dye-sensitized solar cells**
Shashanka R., EŞGIN H., Yilmaz V. M., Caglar Y.
JOURNAL OF SCIENCE-ADVANCED MATERIALS AND DEVICES, vol.5, no.2, pp.185-191, 2020 (SCI-Expanded)
- III. **Synergetic activity enhancement in 2D CuO-Fe₂O₃ nanocomposites for the photodegradation of rhodamine B**
Alp E., Esgin H., Kazmanlı M. K., Genc A.
CERAMICS INTERNATIONAL, vol.45, no.7, pp.9174-9178, 2019 (SCI-Expanded)
- IV. **Mesoporous nanocrystalline ZnO microspheres by ethylene glycol mediated thermal decomposition**
Alp E., Araz E. C., Buluc A. F., Guner Y., Deger Y., Esgin H., Dermenci K. B., Kazmanlı M. K., Turan S., Genc A.

Articles Published in Other Journals

I. The Effect of Morphology of Photoanode on Photovoltaic Properties of ZnO-DSSC

Eşgin H., Çağlar Y.

Adiyaman Üniversitesi Fen Bilimleri Dergisi, vol.10, no.1, pp.378-390, 2020 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

I. Effect of Sensitization Time On Photovoltaic Performance of ZnO Based DSSCs

Eşgin H.

5th International conference on materials science and nanotechnology for next generation (MSNG2018), Nevşehir, Turkey, 4 - 06 October 2018, pp.262-265

II. Dye sensitive solar cells based on Mn-doped ZnO photoelectrodes

Eşgin H., Çağlar Y.

6th International conference on materials science and nanotechnology for next generation (MSNG2019), Niğde, Turkey, 16 - 18 October 2019, pp.64-69

III. Cu: ZnO-DSSC Fabrication and Characterization

Eşgin H., Çağlar Y.

6th International conference on materials science and nanotechnology for next generation (MSNG2019), Niğde, Turkey, 16 - 18 October 2019, pp.210-214

IV. Effect of electrode dipping temperature on efficiency in dye sensitive solar cell with ZnO electrode

Eşgin H., Çağlar Y.

International Eurasian Conference on Science, Engineering and Technology (EURASIANSCIENTECH 2018), Ankara, Turkey, 22 - 23 November 2018, pp.2833-2838

V. Effects of CuO Sacrificed Template Amounts on The Morphologies Of Hematite (A-Fe₂O₃) Nanostructures for Photocatalytic Applications

Eşgin H., Alp E., Kazmanlı M. K., Genç A.

Internatinonal Conference on Materials Science and Technology (IMSTEC'18), Nevşehir, Turkey, 17 - 19 September 2018, pp.753

VI. ZnO Nanostructures: Hydrothermal Synthesis and Characterization

Eşgin H., Çağlar Y.

Internatinonal Conference on Materials Science, Mechanical and Automotive Engineerings and Technology, İzmir, Turkey, 10 - 12 April 2018, pp.651

VII. Hydrothermal synthesis of hematite nanostructures for photocatalytic applications

Eşgin H., Tekin B., Sönmezoglu S., Turan S., Genç A.

International Conference On Renewable Energy 2018, Barcelona, Spain, 25 - 27 April 2018, pp.114

VIII. Güneş Pili Uygulamaları için ZnO Yaprak Benzeri Nanoyapı Sentezi ve Yapısal Özelliklerinin İncelenmesi

Eşgin H., Alp E., Genç A., Çağlar M.

23. Ulusal Elektron Mikroskopı Kongresi, Antalya, Turkey, 19 - 21 May 2017

IX. Structural And Optical Properties of Cobalt Oxide Films Prepared by Spray Pyrolysis Method

EŞGIN H.

Thirteenth International Conference on Flow Dynamics (ICFD2016), 10 - 12 October 2016

X. Investigation on combining electrochromic devices and organic solar cells and their application areas: A review

EŞGIN H.

2nd International Conference on Engineering and Natural Sciences, 24 - 28 May 2016

XI. Characterization of Co₃O₄ Films Deposited by Ultrasonic Spray Pyrolysis Technique

TURAN E., EŞGIN H.

8th International Conference on Surfaces, Coating and Nanostructured Materials, 22 - 25 September 2013

Metrics

Publication: 16

Citation (WoS): 25

Citation (Scopus): 110

H-Index (WoS): 3

H-Index (Scopus): 3