

Lect. SEDA GÜRGEN AVŞAR

Personal Information

Office Phone: [+90 312 202 8774](tel:+903122028774)

Email: sedagurgenavsar@gazi.edu.tr

Web: <https://avesis.gazi.edu.tr/sedagurgenavsar>

International Researcher IDs

ORCID: 0009-0008-9991-7236

Yoksis Researcher ID: 374054

Education Information

Doctorate, Gazi University, Fen Bilimleri Enstitüsü, Metallurgy and Materials Engineering, Turkey 2021 - Continues
Postgraduate, Mersin University, Institute Of Science, Department Of Nanotechnology And Advanced Materials, Turkey
2016 - 2018

Undergraduate, Yildiz Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of
Metallurgical And Materials Engineering, Turkey 2011 - 2016

Dissertations

Postgraduate, Preparation of Iron Doped Spinal Lithium Titanate Structures And Supercapacitor Applications, Mersin
University, Institute Of Science, 2018

Research Areas

Natural Sciences, Engineering and Technology

Academic Titles / Tasks

Lecturer, Gazi University, Teknoloji Fakültesi, Metalurji Ve Malzeme Mühendisliği, 2022 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Competition between charge transfer and energy transfer: Influence of intrinsic defects in ZnO nanocrystals on rhodamine-B dye color signals**
Avsar S., Repp S., Dietel L., Gungor A., Weber S., Ocakoglu K., Nadupalli S., Erdem E.
PHYSICAL REVIEW B, vol.108, no.24, 2023 (SCI-Expanded)
- II. **Microstructural and Radioactive Shielding Analyses of Alumix-231 and Alumix-231 Reinforced with B₄C/SiC/Al₂O₃ Particles Produced through Hot Pressing**
Gökmen U., Golzari L. E. J., Avşar S. G., Özkan Z., Ocak S. B.
ACS OMEGA, vol.8, no.39, pp.35755-35767, 2023 (SCI-Expanded)
- III. **Nano-cubes for energy storage**
Harputlu E., Gurgun S., Ugur N., Ocakoglu K.

MATERIALS TODAY, vol.33, pp.141-142, 2020 (SCI-Expanded)

IV. Synergetic effects of Fe³⁺ doped spinel Li₄Ti₅O₁₂ nanoparticles on reduced graphene oxide for high surface electrode hybrid supercapacitors

Repp S., Harputlu E., Gorgen S., Castellano M., Kremer N., Pompe N., Woerner J., Hoffmann A., Thomann R., Emen F. M., et al.

NANOSCALE, vol.10, no.4, pp.1877-1884, 2018 (SCI-Expanded)

Articles Published in Other Journals

I. Effect of ZrO₂ on Radiation Permeability Properties of Polypropylene

ÖZKAN Z., ÇAKIR B., GÜRGEN AVŞAR S., OLÇAY E., GÖKMEN U.

Gazi University Journal of Science Part A: Engineering and Innovation, vol.11, no.2, 2024 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

I. INVESTIGATION OF RADIATION SHIELDING PROPERTIES OF SiC REINFORCED AZ91 MATRIX COMPOSITE MATERIALS

Gürgeñ Avşar S., Gökmen U., Bilge Ocak S.

9. Uluslararası Mühendislik ve Teknoloji Yönetimi Kongresi, İstanbul, Turkey, 29 April - 01 May 2023, pp.1-6

Supported Projects

BİLGE OCAK S., GÖKMEN U., Sönmez H., GÜRGEN AVŞAR S., EMİR C., Altın Z., Bilir B., ALPAT A. B., Project Supported by Higher Education Institutions, Siyah Silikon Üzerine Büyütülen In₂O₃ İnce Filmlerinin Radyasyon Altındaki Davranışlarının ve Karakteristik Özelliklerinin İncelenmesi, 2023 - Continues

Metrics

Publication: 6

Citation (WoS): 165

Citation (Scopus): 172

H-Index (WoS): 2

H-Index (Scopus): 2

Scholarships

Biyotaklit Güneş Yakıt Cihazı İçin Grafen Temelli Elektrotlar, Other International Organizations, 2017 - 2018