

## Lect. SEDA GÜRGEN AVŞAR

### Personal Information

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### International Researcher IDs

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### 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 B<sub>4</sub>C/SiC/Al<sub>2</sub>O<sub>3</sub> 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 Fe<sup>3+</sup> doped spinel Li<sub>4</sub>Ti<sub>5</sub>O<sub>12</sub> nanoparticles on reduced graphene oxide for high surface electrode hybrid supercapacitors**

Repp S., Harputlu E., Gurgen 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 ZrO<sub>2</sub> 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**

Gürgen 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 In<sub>2</sub>O<sub>3</sub> İnce Filmlerinin Radyasyon Altındaki Davranışlarının ve Karakteristik Özelliklerinin İncelenmesi, 2023 - Continues

## Metrics

Publication: 6

Citation (WoS): 153

Citation (Scopus): 168

H-Index (WoS): 1

H-Index (Scopus): 2

## Scholarships

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