

## Res. Asst. ŞİRİN YAZAR

### Personal Information

**Email:** siriny@metu.edu.tr

**Web:** <https://avesis.metu.edu.tr/siriny>

### International Researcher IDs

ScholarID: zOPXixMAAAAJ

ORCID: 0000-0002-0339-7002

Yoksis Researcher ID: 303636

### Research Areas

Electromagnetic in Biology and Medicine, Electromagnetic Waves, Antennas and Propagation, Photonic Band Spacing Structures

### Academic Titles / Tasks

Research Assistant, Middle East Technical University, Faculty of Engineering, Department of Electrical and Electronics Engineering, 2019 - Continues

### Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Computational design of nanoantennas with improved power enhancement capabilities via shape optimization**  
Işıklar G., Yazar Ş., Ibili H., Onay G., El Ahdab Z., Ergül Ö.  
Optical Engineering, vol.62, no.1, 2023 (SCI-Expanded)
- II. **Design and optimization of nanooptical couplers based on photonic crystals involving dielectric rods of varying lengths**  
YAZAR Ş., ERGÜL Ö. S.  
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.30, no.6, pp.2339-2354, 2022 (SCI-Expanded)

### Refereed Congress / Symposium Publications in Proceedings

- I. **Rapid Optimization of Dielectric Rod Arrays for Microwave Radiation Shaping Applications**  
YAZAR Ş., Hatipoglu M. E., Eris O., Ergul O., Dikmen F.  
2023 IEEE MTT-S International Conference on Numerical Electromagnetic and Multiphysics Modeling and Optimization, NEMO 2023, Hybrid, Winnipeg, Canada, 28 - 30 June 2023, pp.107-109
- II. **Design of Dielectric Structures with Nonuniform Holes Optimized for Backscattering Reduction**  
Yazar Ş., Ergül Ö.  
17th European Conference on Antennas and Propagation, EuCAP 2023, Florence, Italy, 26 - 31 March 2023
- III. **2D Regularized T-Matrix Method for Acceleration of 3D Simulations During Optimization of Rod Arrays for NZI Materials**  
Hatipoglu M. E., Eris O., Yazar Ş., Dikmen F., Ergul Ö. S.

2nd IEEE Ukrainian Microwave Week, UkrMW 2022, Kharkiv, Ukraine, 14 - 18 November 2022, pp.203-206

**IV. Design and Optimization of Nano-Optical Isolators Based on Irregular Arrangements of Dielectric Rods**

Yazar Ş., Ergül Ö.

2022 IEEE International Symposium on Antennas and Propagation and USNC-URSI Radio Science Meeting, AP-S/URSI 2022, Colorado, United States Of America, 10 - 15 July 2022, pp.77-78

## **Metrics**

Publication: 9

Citation (Scopus): 1

H-Index (Scopus): 1