

**Asst. Prof. PINAR ÖZKAN  
BAKBAK**



## **Personal Information**

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## **Research Areas**

Signal Processing for Communication, Signal Processing Theory and Methods, Optics and Photonics

## **Academic Titles / Tasks**

Assistant Professor, Marmara University, Faculty of Technology, Electrical and Electronics Engineering, 2021 - Continues

## **Courses**

Sayısal Haberleşme, Undergraduate, 2021 - 2022

Elektromanyetik Dalgalar, Undergraduate, 2021 - 2022, 2020 - 2021

Mikrodalga Tekniği, Undergraduate, 2021 - 2022

Lineer Cebir, Undergraduate, 2022 - 2023, 2021 - 2022

Bitirme Projesi, Undergraduate, 2021 - 2022, 2020 - 2021

Haberleşme Sistemleri, Undergraduate, 2022 - 2023, 2021 - 2022

Telekom Platformu, Postgraduate, 2022 - 2023

İzge Kestirimi, Postgraduate, 2021 - 2022

## **Advising Theses**

Özkan Bakbak P., OFDM İşaretlerin Fiber Optik İle İletiminde Hata Giderim Analizi, Postgraduate, S.Kılıç(Student), Continues

Özkan Bakbak P., Marmara Bölgesinde Güneş Enerji Santrali için CBS Verileri ile Uygun Yer Kararı, Postgraduate, S.Çetin(Student), 2023

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

- I. **Classification of sonar echo signals in their reduced sparse forms using complex-valued wavelet neural network**  
Bakbak P., Peker M.  
NEURAL COMPUTING & APPLICATIONS, vol.32, no.7, pp.2231-2241, 2020 (SCI-Expanded)
- II. **GA Optimization of the Optical Directional Coupler**  
Ozkan-Bakbak P.  
APPLIED COMPUTATIONAL ELECTROMAGNETICS SOCIETY JOURNAL, vol.32, no.12, pp.1136-1139, 2017 (SCI-Expanded)

**III. High-resolution signal processing techniques for through-the-wall imaging radar systems**

TÜRK A. S., Ozkan-Bakbak P., Durak Ata L., Orhan M., Unal M.

INTERNATIONAL JOURNAL OF MICROWAVE AND WIRELESS TECHNOLOGIES, vol.8, no.6, pp.855-863, 2016 (SCI-Expanded)

**Articles Published in Other Journals**

**I. Sparse Sensing of FMCWR with DFrFT Basis and Reconstruction with Fewer Samples**

Özkan Bakbak P.

PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSITESI MUHENDISLIK BILIMLERI DERGISI, vol.0, no.0, 2024 (ESCI)

**II. Neural Boundary Conditions in Optic Guides**

BAKBAK ÖZKAN P.

International Journal of Intelligent Systems and Applications in Engineering, vol.3, no.3, pp.101-106, 2015 (Peer-Reviewed Journal)

**Metrics**

Publication: 5

Citation (WoS): 9

Citation (Scopus): 14

H-Index (WoS): 2

H-Index (Scopus): 2