

## Res. Asst. ÜMMÜGÜL ERÖZBEK GÜNGÖR

### Personal Information

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### International Researcher IDs

ScholarID: k-PTSsoAAAAJ

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Publons / Web Of Science ResearcherID: HTP-4410-2023

ScopusID: 73657123401

Yoksis Researcher ID: 160292

### Education Information

Undergraduate, Anadolu University, Açıköğretim Fakültesi, Sağlık Yönetimi Bölümü (Aöf), Turkey 2020 - Continues

Doctorate, Middle East Technical University, Faculty of Arts and Sciences, Department of Physics, Turkey 2009 - 2014

Postgraduate, Middle East Technical University, Faculty of Arts and Sciences, Department of Physics, Turkey 2006 - 2009

Postgraduate, Middle East Technical University, Faculty of Education, Mathematics and Science Education, Turkey 1999 - 2005

Undergraduate Double Major, Middle East Technical University, Faculty of Arts and Sciences, Department of Physics, Turkey 1999 - 2004

### Dissertations

Doctorate, Surface modification of unsized pan-based carbon fiber by using high frequency single and dual RF discharge system, Middle East Technical University, Faculty of Arts and Sciences, Department of Physics, 2014

Postgraduate, Development of a compact time-domain terahertz spectrometer using photoconductive antenna detection method, Middle East Technical University, Faculty of Arts and Sciences, Department of Physics, 2009

### Research Areas

Theoretical High Energy Physics Studies, Particle Accelerators, Atomic and Molecular Physics, Optics, Physics of Plasmas, Physics and astronomy tools and devices, Surfaces, Interfaces, Thin Films and Nanosystems, Optical Properties, Spectroscopy of Matter

### Academic Titles / Tasks

Research Assistant, Middle East Technical University, Faculty of Arts and Sciences, Department of Physics, 2012 - Continues

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

- I. **Study of high radio frequency plasma discharge effects on carbon fiber using Raman spectroscopy**  
Akbar D., ERÖZBEK GÜNGÖR Ü.  
SURFACE & COATINGS TECHNOLOGY, vol.240, pp.233-242, 2014 (SCI-Expanded)

## Articles Published in Other Journals

- I. **High frequency capacitively coupled RF plasma discharge effects on the order disorder structure of PAN based carbon fiber**  
ERÖZBEK GÜNGÖR Ü., BİLİKMEN S. K., AKBAR D.  
Journal of Theoretical and Applied Physics, vol.8, no.127, pp.1-8, 2014 (ESCI)

## Books & Book Chapters

- I. **Electron Heating Mode Transitions in Nitrogen (13.56 and 40.68) MHz RF-CCPs**  
ERÖZBEK GÜNGÖR Ü., BİLİKMEN S. K., AKBAR D.  
in: Bulletin of the American Physical Society, , Editor, The American Physical Society , Honolulu, Hawaii, pp.21-22, 2015
- II. **Development of a Time-Domain Terahertz Spectrometer: using Photoconductive Antenna Detection Method**  
Erözbek Güngör Ü.  
Academic Press , Ankara, 2010

## Refereed Congress / Symposium Publications in Proceedings

- I. **Experimental Heating Analysis of High Frequency RF CCP**  
ERÖZBEK GÜNGÖR Ü., BİLİKMEN S. K., AKBAR D.  
Workshop on the Exploration of Low-Temperature Plasma Physics (WELTPP-18), Kerkrade, Netherlands, 3 - 04 December 2015
- II. **MODE TRANSITIONS IN LOW-PRESSURE NITROGEN RF-CCP AT DIFFERENT FREQUENCIES**  
ERÖZBEK GÜNGÖR Ü., Bilikmen S. K.  
IEEE International Conference on Plasma Sciences (ICOPS), Belek, Turkey, 24 - 28 May 2015
- III. **The Effects of High Frequency RF Capacitively Coupled Plasma on Tensile Strain and Functional Groups of PAN based Carbon Fiber**  
ERÖZBEK GÜNGÖR Ü., BİLİKMEN S. K.  
The International Middle East Plasma Science (IMEPS), Antalya, Turkey, 23 - 25 April 2014
- IV. **Surface Modification of Carbon Fiber with High Frequency Single and Dual RF Capacitive Coupled Plasma**  
Akbar D., Erözbek Güngör Ü., Bilikmen S. K.  
63rd Annual Gaseous Electronics Conference and 7th International Conference on Reactive Plasmas, Paris, France, 4 - 08 October 2010, vol.55, no.7, pp.1-2

## Metrics

Publication: 9

Citation (WoS): 24

Citation (Scopus): 19

H-Index (WoS): 1

H-Index (Scopus): 1

## **Awards**

Eseller K. E., Erözbek Güngör Ü., Mansuroglu D., Fiber optic laser system (FOLS), New Ideas New Works-Competition In Ssm Category , November 2013