Res. Asst. BURCU KARAGÖZ

Personal Information

Email: bkaragoz@metu.edu.tr
Web: https://avesis.metu.edu.tr/bkaragoz

International Researcher IDs
ORCID: 0000-0003-1575-2515
ScopusID: 56785742400
Yoksis Researcher ID: 223347

Education Information

Doctorate, Middle East Technical University, Graduate School of Natural and Applied Sciences, Fizik (Dr), Turkey 2016 - Continues
Postgraduate, Middle East Technical University, Graduate School of Natural and Applied Sciences, Fizik (Yl) (Tezli), Turkey 2013 - 2016
Undergraduate, Middle East Technical University, Faculty of Arts and Sciences, Department of Physics, Turkey 2008 - 2013

Dissertations

Postgraduate, Pulsed three dimensional THz imaging, Middle East Technical University, Graduate School of Natural and Applied Sciences, Fizik (Yl) (Tezli), 2016

Academic Titles / Tasks

Research Assistant, Middle East Technical University, Faculty of Arts and Sciences, Department of Physics, 2015 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

I. **An ex vivo comparative study of occlusal and proximal caries using terahertz and X-ray imaging**
Kamburoglu K., KARAGÖZ B., ALTAN H., Ozen D.
DENTOMAXILLOFACIAL RADIOLOGY, vol.48, no.2, 2019 (SCI-Expanded)

II. **Terahertz Propagation in Tissues and Its Thickness Limitation**
KARAGÖZ B., ALTAN H.
DEEP IMAGING IN TISSUE AND BIOMEDICAL MATERIALS: USING LINEAR AND NONLINEAR OPTICAL METHODS, pp.377-411, 2017 (SCI-Expanded)

Books & Book Chapters

I. **Sub-micron Direct Silicon Processing by Microsphere Focused Femtosecond Infrared Laser**
İDİKUT F., KARAGÖZ B., BEK A.

in: Advances in Optics: Reviews Book Series, Volume 5, Y. Yurish, Sergey, Editor, International Frequency Sensor Association (IFSA) Publishing, S. L., pp.473-484, 2021

II. **Terahertz Propagation in Tissues and Its Thickness Limitation**
KARAGÖZ B., ALTAN H.
in: Deep Imaging in Tissue and Biomedical Materials: Using Linear and Nonlinear Optical Methods, Lingyan Shi, Robert R. Alfano, Editor, Pan Stanford, pp.377-411, 2017

Refereed Congress / Symposium Publications in Proceedings

I. **Terahertz pulsed imaging for the monitoring of dental caries: a comparison with X-ray imaging**
KARAGÖZ B., KAMBUROĞLU K., ALTAN H.
Conference on Medical Laser Applications and Laser-Tissue Interactions VIII, Munich, Germany, 25 - 29 June 2017, vol.10417

II. **Assessment of incipient dental caries by terahertz pulsed imaging a comparative study**
KAMBUROĞLU K., KARAGÖZ B., ALTAN H.
15th European Academy of Dentomaxillofacial Radiology Congress, Cardiff, United Kingdom, 15 - 18 June 2016

III. **Terahertz Pulsed Imaging of Dental Structures**
KARAGÖZ B., KAMBUROĞLU K., ALTAN H.
4th Annual Conference of COST Action MP1204 and the International Conference on Semiconductor Mid-IR and THZ Materials and Optics SMMO2016, lizbon, Portugal, 21 - 24 March 2016

IV. **THZ imaging of dental structures and implants Preliminary Findings**
KAMBUROĞLU K., KARAGÖZ B., ALTAN H.
The 20th International Congress of Dento-Maxillo-Facial Radiology, Santiago, Chile, 26 - 28 August 2015

V. **Terahertz pulsed imaging study of dental caries**
KARAGÖZ B., ALTAN H., KAMBUROĞLU K.
Conference on Medical Laser Applications and Laser-Tissue Interactions VII, Munich, Germany, 21 - 23 June 2015, vol.9542

Metrics

Publication: 9
Citation (WoS): 11
Citation (Scopus): 25
H-Index (WoS): 2
H-Index (Scopus): 3