

## Assoc. Prof. MURAT ÖZABACI

### Personal Information

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### International Researcher IDs

ORCID: 0000-0002-0667-6066

Publons / Web Of Science ResearcherID: A-2808-2016

Yoksis Researcher ID: 120609

### Education Information

Doctorate, Inonu University, Fen Bilimleri Enstitüsü, Fizik (Dr), Turkey 2008 - 2013

Postgraduate, Inonu University, Fen-Edebiyat Fakültesi, Fizik Bölümü, Turkey 2005 - 2008

Undergraduate, Bogazici University, Faculty Of Arts And Sciences, Department Of Physics, Turkey 1996 - 2001

### Foreign Languages

English, C1 Advanced

### Dissertations

Doctorate, Manyetik katkılanmış Bİ-2212 fiberlerin lazer yüzer bölge (LFZ) metoduyla üretimi, tanecik yönelimi ve süperiletkenlik özelliklerinin incelenmesi, Inonu University, Fen Bilimleri Enstitüsü, Fizik (Dr), 2013

Postgraduate, Süper iletken MgB<sub>2</sub> kalın filmlerin hazırlanması, mikroyapısal ve elektriksel özelliklerinin belirlenmesi, Inonu University, Fen-Edebiyat Fakültesi, Fizik Bölümü, 2008

### Research Areas

Intensive Article 2: Electronic Structure, Electric, Magnetic and Optical Properties, Material science and engineering, Production Metallurgy, Condensed Matter 1: Structural, Mechanical and Thermal Properties

### Courses

EEM 101-2015-Development of Reading and Writing Skills I (İnönü Üni. Müh. Fak. Elek-Elekt. Müh. İÖ), Undergraduate, 2022-2023

EEM 101-2015-Development of Reading and Writing Skills I (İnönü Üni. Müh. Fak. Elek-Elekt. Müh.), Undergraduate, 2022-2023

BİOM 401-Radyasyon Fiziği (İnönü Üni. Müh. Fak. Biyomedikal Müh.), Undergraduate, 2021-2022

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

- I. **Investigation of the weldability of AISI304 and AISI1030 steels welded by friction welding**  
Teker T., Karakurt E. M., OEzabaci M., Gueleryuez Y.  
METALLURGICAL RESEARCH & TECHNOLOGY, vol.117, no.6, 2020 (SCI-Expanded)
- II. **Contrasting effects of metal oxide dopants on the superconductivity of YBa<sub>2</sub>Cu<sub>3</sub>O<sub>7-δ</sub> ceramics**  
ÖZABACI M.  
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, 2019 (SCI-Expanded)
- III. **Enhancement of Magnetic and Transport Properties of Superconducting Fe<sub>1-x</sub>MnxSe<sub>0.5</sub>Te<sub>0.5</sub> Single Crystals**  
Ozabaci M., Yakinci K., Yakinci M. E.  
JOM, vol.71, no.9, pp.3285-3292, 2019 (SCI-Expanded)
- IV. **Enhancement of magnetic relaxation behavior by texturing in Bi-2212 superconducting rods**  
ÖZABACI M., KIZILASLAN O., KIRAT G., AKSAN M. A., MADRE M. A., SOTELO A., YAKINCI M. C.  
CERAMICS INTERNATIONAL, vol.42, no.7, pp.8325-8330, 2016 (SCI-Expanded)
- V. **Grain alignment and its relationship with superconductivity and thermal transport of Ni-substituted Bi-2212 textured rods fabricated at two different growth rates**  
ÖZABACI M., KIZILASLAN O., MADRE M. A., YAKINCI M. C., SOTELO A.  
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.26, no.5, pp.3090-3099, 2015 (SCI-Expanded)
- VI. **Growth Speed and Substitution Effects on Alignment and Thermal Transport Properties of Bi-2212 Textured Superconductors**  
ÖZABACI M., RASEKH S., KIZILASLAN O., MADRE M. A., SOTELO A., YAKINCI M. C.  
JOM, vol.67, no.1, pp.222-232, 2015 (SCI-Expanded)
- VII. **Structural and Superconducting Properties of Magnetically Doped Bi-2212 Textured Rods Grown by Laser Floating Zone (LFZ) Technique**  
Yakinci M. E., Madre M. A., Ozabaci M., Sotelo A.  
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, vol.26, no.4, pp.1135-1141, 2013 (SCI-Expanded)
- VIII. **Effect of Fe Substitution for Cu on Microstructure and Magnetic Properties of Laser Floating Zone (LFZ) Grown Bi-2212 Rods**  
Ozabaci M., Sotelo A., Madre M. A., Yakinci M. E.  
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, vol.26, no.4, pp.1143-1149, 2013 (SCI-Expanded)
- IX. **Effect of Substrates on Superconducting Properties of MgB<sub>2</sub> Thick Films Fabricated by Spraying Method**  
ÖZABACI M., AKSAN M. A., YAKINCI M. C.  
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, vol.24, pp.357-363, 2011 (SCI-Expanded)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Phase purity as a factor controlling the magnetic properties of CaO-Al<sub>2</sub>O<sub>3</sub>-SiO<sub>2</sub> (CAS) based glass-ceramics**  
ÖZABACI M., KIRAT G., KIZILASLAN O., AKSAN M. A., YAKINCI M. E.  
International Conference on Superconductivity and Magnetism-ICSM2016, FETHİYE, Turkey, 01 April 2016
- II. **Magnetoresistance properties of MgB<sub>2</sub> thick films on YSZ substrate using spray pyrolysis method**  
ALTIN S., AKSAN M. A., YAKINCI Z. D., Oezabaci M., BALÇI Y., YAKINCI M. C.  
International Conference on Superconductivity and Magnetism (ICSM), Side, Turkey, 25 - 29 August 2008, vol.153
- III. **Çökeltme Yöntemi Kullanılarak MgB<sub>2</sub> Kalın Filmlerin Hazırlanması ve Karakterizasyonu**  
YAKINCI Z. D., ALTIN E., türk n., ALTIN S., ÖZABACI M., AKSAN M. A., BALÇI Y., YAKINCI M. E.  
II. Ulusal Bor Çalıştayı, Ankara, 2008, Turkey, 20 - 22 June 2008
- IV. **Dip Coating Yöntemi İle Şerit MgB<sub>2</sub> Süperiletkenlerin Eldesi ve Karakterizasyonu**  
ÖZABACI M., ALTIN S., gülşah K., YAKINCI Z. D., ALTIN E., AKSAN M. A., BALÇI Y., YAKINCI M. E.

II. Ulusal Bor Çalıştayı, Ankara, 2008, Turkey, 13 - 15 June 2008

## Supported Projects

ERDOĞAN A., KIRAT G., MUMCU A., ÖZABACI M., Project Supported by Higher Education Institutions, PEG İle Modifiye MNP'lere Yüklennmiş DOX'un Tayin Edilmesi İin Co Bazlı Dev Manyetoempedans Tabanlı Biyosensörlerin Üretimi, 2022 - 2023

## Metrics

Publication: 14

Citation (WoS): 22

Citation (Scopus): 19

H-Index (WoS): 2

H-Index (Scopus): 3

## Non Academic Experience

İspanya Zaragoza Üniversitesi