

Burak OZBEK

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Goztepe Campus

Faculty of Technology

Advance Nanomaterials Research Laboratory

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**EDUCATION**

Degree	University	Department	Year
MSc.	Marmara University	Metallurgical and Materials Engineering	2016-Still
BSc.	Istanbul Technical University	Metallurgical and Materials Engineering	2015

Study Topics and Interests

Biomaterials, Bioceramic composites, Electrospinning, Microfluidic systems, 3-D printing, Mechanical testing of materials (tension test, compression test, microhardness test), Characterization of materials (XRD,SEM)

Academic Assignments

Assistant in Mechanical Testing Laboratory (2016-Still)

Undergraduate Thesis Title and Thesis Advisor

Liquid Armor Technology, Advisor: Prof. Dr. Gultekin Goller, 2015

Computer Softwares

Solidworks, Cura, MS Office

Certifications

September 2017 – Zeiss Evo MA 10 SEM/EDS usage training

October 2017 – Jasco FT-IR 4700 usage training

INTERNSHIP

Company	Year
Ferrodokum Inc.	2015
BNL Medical	2014
Kaydoksan Inc.	2013

GRANTS

Award Name	Year
Bioceramics 28 Travel Scholarship (1000 \$)	2016

ACADEMIC PUBLICATIONS

- 1) Sahin, Y. M., Su, S., **Ozbek, B.**, Yücel, S., Pinar, O., Kazan, D., ... & Gunduz, O. (2018). Production and characterization of electrospun fish sarcoplasmic protein based nanofibers. *Journal of Food Engineering*, 222, 54-62.
- 2) **Ozbek, B.**, Erdogan, B., Ekren, N., Oktar, F. N., Akyol, S., Ben-Nissan, B., ... & Ozen, G. (2017). Production of the novel fibrous structure of poly (ϵ -caprolactone)/tri-calcium phosphate/hexagonal boron nitride composites for bone tissue engineering. *Journal of the Australian Ceramic Society*, 1-10.
- 3) **Ozbek, B.**, Kilic, O., Gunduz, O., Ekren, N., Gokce, H., & Oktar, F. N. (2017). Mechanical and Physical Properties of Dentine-Glass Composites. In *Key Engineering Materials* (Vol. 720, pp. 257-263). Trans Tech Publications.
- 4) Kalkandelen C, **Ozbek B**, Ergul N.M, Moukbil Y, Oktar F.N, Ekren N, Kılıc O, Gunduz O, “Effect of temperature, viscosity and surface tension on gelatine structures produced by modified 3D printer”, IOP Conference Series: Materials Science and Engineering (2017) (Submitted).
- 5) Dumludag F, Gunduz O, Kılıc O, Ekren N, Kalkandelen C, **Ozbek B**, Oktar F.N, “DC and AC conductivity properties of bovine dentine hydroxyapatite (BDHA)”, IOP Conference Series: Materials Science and Engineering (2017) (Submitted).
- 6) Oktar F.N, Su S, **Ozbek B**, Yucel S, Kazan D, Gunduz O, “Production and Characterization of Whey Protein Concentrate (WPC) based Nano-fibers”, Materials Science Forum (2017) (Submitted).

PARTICIPATED CONFERENCES

- 1) 3rd International Conference on Smart Materials , ICSMR 2017, 15-17 November 2017, Melbourne, Australia (Oral presentation).
- 2) 28th International Symposium on Ceramics in Medicine, BIOCERAMICS 28, 18-21 October 2016, Charlotte, United States of America (Oral presentation).