PERSONAL INFORMATIONS

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Web pages : www.iztechno.com

EDUCATION

Degree /GPA	Department	University	Year
B.Sc. / 3,08/4	Physics	Fatih University	2005-2009
M.Sc. /3,30/4	Physics	Fatih University	2010-2013
Ph. D. /3,50/4	Biomedical Engineering	İstanbul University	2013-

WORKING EXPERIENCES

Co- Founder/ optical design and AR-GE engineering

IZ TECHNOLOGY MEDICAL AND TECHNICAL DEVICES INDUSTRY AND TRADE CO. LTD. / Istanbul University / Entertech

Project Asistant

Advanced Nanomaterials Research Laboratory / Marmara University

PROJECTS

TUBİTAK 1512 / optical design and AR-GE engineering

Full Automation Capillary Gel Electrophoresis Design, 2017-2019.

TUBİTAK 3001 /Scholarship

Production of ICG - loaded Polymeric Composite Nanofibers by Electrospinning Method and Investigation of Their Controlled Release Properties, 2017-2018.

TUBİTAK 3501 /Scholarship

Formation and Characterization of Grafen / Grafenoxide Hybrid Structures, 2010-2013.

PUBLICATIONS

- Encapsulation of Indocyanine Green in Poly(lactic acid) Nanofibers for Using as a Nanoprobe in Biomedical Diagnostics, October 2018 Materials Letters, https://doi.org/10.1016/j.matlet.2018.06.008
- Production of Starch Nanoparticles by Electrospraying as Delivery System for Vanillin, 2017, IEEE Xplore Digital Library, https://ieeexplore.ieee.org/document/8238095/
- Investigation of the early stages of graphite oxide formation via modified Hummers method, June 2013, Conference Paper ·

CONFERANCES

- Electrospun Multilayer Nanofiber Based Intelligent Drug Delivery and Release System, (Rapid Fire and Poster Presentation) ISBPPB 2018, 4th International Conference on Biomedical Polymers & Polymeric Biomaterials, AGH University of Science and Technology, Kraków, POLAND, 15-18 July 2018,
- Production of the GO-doped PLA-Based Nanofibers and Investigation of Their Electrical Properties (Oral presentation), ISBPPB 2018, 4th International Conference on Biomedical Polymers & Polymeric Biomaterials, AGH University of Science and Technology, Kraków, POLAND, 15-18 July 2018,
- Engineering nanofiber composite ıntegrated with polylactic acide/ Sodium Alginate/ Orange Oyster Shell (Rapid Fire and Poster Presentation) ISBPPB 2018, 4th International Conference on Biomedical Polymers & Polymeric Biomaterials, AGH University of Science and Technology, Kraków, POLAND, 15-18 July 2018,

- Biocompatibility Evalution of Coaxial Electrospun PLA/BHA/GO Composite Nanofibers, (Poster Presentation) ICELIS 2018, International Congress on Engineering and Life Science, Kastamonu Üniversitesi, Turkey, 26-29 April 2018
- Controlled Releasing Of Vanillin from Electrosprayed Starch Nanoparticles, (Oral presentation), MTM 2017, International Materials Technologies and Metallurgy Conference, Istanbul Technical University, Istanbul, Turkey, 26–27 October, 2017.
- Production of Pla-BovineHydroxyapatite-GrapheneOxide composite nanofiber by Coaxial Electrospinnig Method, (Oral Presentation), ITMC 2017, International Conference on Intelligent Textiles and Mass Customisation, Ghent University, Ghent, Belgium, 16-18 October 2017
- Production of Starch Nanoparticles by Electrospraying as a Delivery System for Vanillin, (Oral Presentation), TIPTEKNO 2017, Tıp Teknolojileri Ulusal Kongresi, Karadeniz Technical University, Trabzon, 12-14 October 2017
- Investigation of the early stages of graphite oxide formation via modified Hummers method, (Oral Presentation) Nano-TR 9, 9th Nanoscience and Nanotechnology Conference, Ataturk University, Erzurum, 24-28 June 2013

CERTIFICATES

- Certificate of English Course, Wall Street English /Istanbul - 2014
- Certificate of use of live experimental animals, Yeditepe University - 2014 (mouse, rat, guinea pig, rabbit)
- Pedagogical Formation Certificate, Yıldız Technical University - .2015
- SolidWorks User Certificate, Kareer Training Institutions – 2015.
- Fourier Transform Infrared Spectroscopy (FTIR) User Certificate - 2017
- UV Spectrophotometer User Certificate – 2012

COMPUTER SKILLS

- SOLIDWORKS
- MATLAB

- MacOS, iOS, MS Windows, MS Office
- OLYMPUS analySIS FIVE, ImageJ
- Origin Data analysis and graphics software

DEVICE SKILLS

- Electrospinning
- UV Spectrophotometer
- Optical and Fluorescent Microscope
- Tensile Testing Machine (Instron)
- Fourier Transform Infrared Spectroscopy (FTIR)
- Raman Spectroscopy

REFERENCES

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