



NURSU ERDOĞAN



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SKILLS

- Turkish-Native
- English-Fluent
- Matlab- Elementary
- Solidworks-Intermediate
- C programming-Elementary
- Solid Phase Peptide Synthesis
- Sol-gel Nanoparticle Synthesis, Functionalization and Characterization
- Electrospinning
- Cell Culture

RESEARCH INTERESTS

- Regenerative Medicine
- Electrospinning and Biomedical Applications
- Controlled Drug Delivery and Release
- Orthopedic implants and instruments
- Solid Phase Peptide Synthesis and Biomedical Applications
- Neuroscience and Neurodegenerative Diseases
- Organ on a Chip
- Microfluidic Chips

EDUCATION

- Izmir Katip Celebi University, Master of Science in Biomedical Technologies (Interdisciplinary), (2018- Present)
- Izmir Katip Celebi University- Biomedical Engineering, (100% English Programme), (2013- 2018)
- Oulu University / Erasmus Programme (01.2017-05.2017)
- Aydın Süleyman Demirel Anatolian High School (2009-2013)

EXPERIENCES

- Medica 2017, Düsseldorf-Germany, Staff-Mediracer (13-16 November 2017)
- Mediracer, Oulu-Finland, Internship (06.2017-07.2017)
- Sayan Orthopedics, Izmir-Turkey, Internship (07.2016-08.2016)
- KOEK Biotechnology, Izmir-Turkey, Voluntary Internship (02.2016-06.2016)
- Biyomut 2016/Staff

PROJECTS

- BAP-IKCU, Master Thesis Project, "Local Drug Delivery System For Tissue Regeneration", (Continuing)
- Finger soft Ltd-Hill Climb Racing 2 Mobile Game, Usability Test (2017/Oulu)
- Effect of surface modification via peptide with different numerous glutamic acid sequences on nanofiber bio mineralization, cell retention and viability /TÜBİTAK 2209-A Research Project Support Programme for Undergraduate Students/2016- 1.Term (**Graduation Project**)

PUBLICATIONS & PROCEEDINGS

- Coskun I., **Erdogan N.**, Karaman Şen D., Karaman O.: Preparation of Serum Albumin Loaded Injectable Silica-Gel Matrix. Medical Technologies Congress(TIPEKNO'19), October 3-5 2019, Kusadasi, Turkey, IEEE Xplore Digital Library (In process)
- Onak G., **Erdogan N.**, Karaman O.: Effect of Different Number of Glutamic Acid Containing Peptide on Biomineralization and Cell Proliferation. Medical Technologies Congress (TIPEKNO'18), November 8-10 2018, Gazi Magosa, KKTC (Poster Presentation) & IEEE Xplore Digital Library DOI: [10.1109/TIPEKNO.2018.8596830](https://doi.org/10.1109/TIPEKNO.2018.8596830)
- Onak G., Tatar A.G., Bilgili H.K., **Erdogan N.**, Karaman O., Surface modification of aligned polycaprolactone nanofibers by different glutamic acid sequences containing peptides for enhanced biomineralization, The, 22. Biomedical Science and Technology Symposium (BIOMED 2017), May 12-14 2017, Ankara, Turkey, (Poster Presentation)

COURSES VE SEMINAR

- 23. Biomedical Science and Technology Symposium (BIOMED 2018), 15-16 December 2018 , Acibadem Mehmet Ali Aydınlar University (Istanbul)
- 20.National Biomedical Engineering Meeting (BIYOMUT 2016), 3-5 November 2016, Seferihisar-Izmir
- 19. National Biomedical Engineering Meeting (BIYOMUT 2015), 5-6 November 2015, Bahçeşehir University-Istanbul
- Internationally Participated 7th National Biomechanics Congress, 2014, Isparta, Turkey
- Startup Weekend Health, Izmir Biomedicine and Genome Center, 2016, Izmir
- Diction Course 2013