

IPEK ERDOGAN

PERSONAL INFORMATION

Date and Place of Birth: 26 May 1983, İzmir
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EDUCATION RECORD

- Ph.D. in Izmir Institute of Technology (2009-2015)
Department of Biotechnology and Bioengineering
Thesis Title: Wound Dressing Contact Layer Preparation and Characterization
- M.Sc. in Izmir Institute of Technology, Izmir (2005-2008)
Department of Biotechnology and Bioengineering
Thesis Title: Identification of microRNAs Involved in Camptothecin-Induced Apoptosis in Jurkat T Cell Line
- B.S. in Ege University, Izmir (2001-2005)
Department of Bioengineering

RESEARCH AND WORK EXPERIENCE

- Lecturer, Molecular Biology and Genetics Department (2020-)
Izmir Institute of Technology
- Post-doctoral researcher, Molecular Biology and Genetics Department (2016- 2019)
Izmir Institute of Technology
- Product Specialist, SACEM Life Technologies Inc. (2015-2016)
- Research and Teaching Assistant, Bioengineering Department (2009-2015)
Izmir Institute of Technology
- Research and Teaching Assistant, Biotechnology Department (2005-2008)
Izmir Institute of Technology

PUBLICATIONS

International/SCI-SCI Expanded Category

- Yaylak B, Erdogan I, Akgul B. 2019. Transcriptomics Analysis of Circular RNAs that are Differentially Expressed in Apoptotic HeLa Cells. *Frontiers in Genetics*. 10 (176).
- Akgul B, Erdogan I. 2018. Intracytoplasmic Re-Localization of miRISC Complexes. *Frontiers in Genetics*. 9 (403).
- Erdoğan I, Bayraktar O, Uslu ME, Çerik Ö. 2018. Wound Healing Effects of Various Fractions of Olive Leaf Extract on Mouse Fibroblasts. *Romanian Biotechnological Letters*. 23(6): 14217-14228.
- Erdoğan I, Coşacak MI, Nalbant A, Akgül B. 2018. Deep Sequencing Reveals Two Jurkat Subpopulations with Distinct miRNA Profiles During Camptothecin-Induced Apoptosis. *Turkish Journal of Biology* 42(2): 113-122.
- Doğan G, Başal G, Bayraktar O, Özyıldız F, Uzel A, Erdoğan I. 2016. Bioactive Sheath/Core Nanofibers Containing Olive Leaf Extract. *Microsc Res Tech* 79(1): 38-49.
- Erdoğan I, Demir M, Bayraktar O. 2015. Electrospun Zein Fibers Using Olive Leaf Extract as a Crosslinking Agent. *Journal of Applied Polymer Sciences* 132(4).

- Uslu ME, Erdoğan I, Bayraktar O, Ateş M. 2013. Optimization of Extraction Conditions for Active Components in *Equisetum Arvense* Extract. *Romanian Biotechnological Letters* 18(2): 8115- 8131.

International/Covered by Other Indexes

- Coşacak MI, Erdoğan I, Nalbant A, Akgül B. 2018. Small RNA Data Set that Includes tRNA-derived Fragments from Jurkat Cells Treated with Camptothecin. *Data in Brief* 17: 397-400.
- Süngüç C, Bayraktar O, Erdoğan I, Uslu ME. 2017. Optimization of Extraction Parameters of Phenolic Compounds from *Sarcopoterium spinosum* Leaves by Response Surface Methodology. *Turkish Journal of Agriculture - Food Science and Technology* 5(7): 792-799.

BOOK CHAPTERS

International-Chapter(s) in Books

- Bayraktar O, Erdoğan I, Köse MD, Kalmaz G. 2017. Nanocarriers for Plant-Derived Natural Compounds. In: Grumezescu, A., Fica, A. (Eds.) *Nanostructures for Antimicrobial Therapy*. Amsterdam, Elsevier. Print ISBN 9780323461528. Electronic ISBN 9780323461511.

PROCEEDINGS

International/SCI-SCI Expanded Category

- Erdoğan I, Süngüç C, Uslu ME, Bayraktar O. 2013. Investigation of Anti-Tumoural Activity of *Cistus Creticus* Extract Against PC-3 Cell Line. *European Journal of Pharmaceutical Sciences* 50 (supplement 1): 29 (Extended abstract).
- Süngüç C, Erdoğan I, Uslu ME, Bayraktar O. 2013. *In Vitro* Antitumour Activity of *Sarcopoterium Spinosum* Leaf Extract with Bioactive Natural Compounds. *European Journal of Pharmaceutical Sciences* 50 (supplement 1): 4 (Extended abstract).
- Uslu ME, Erdoğan I, Bayraktar O. 2012. Incorporation of *Equisetum Arvense* Extract into Silk Fibroin-Hyaluronic Acid Sponge Matrices for Wound Dressing Applications. *New Biotechnology* 29 (S117) (Abstract).