



Res. Assist. Muhammet Burak BATIR

BIOSENS ID BIOTECHNOLOGY INDUSTRY AND INCORPORATED COMPANY



BIOSENS ID

CONTACT INFORMATION

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EDUCATION

Degree	University	Department/Program	Years
Ph.D.	Manisa Celal Bayar University	Medical Biology	2014-2019
Master	Eskişehir Osmangazi University	Molecular Biology	2012-2014
B.Sc.	Manisa Celal Bayar University	Biology	2004-2008

RESEARCH INTERESTS

1	Gene editing
2	Gene expression analysis
3	Next-generation sequencing amplicon analysis

THESIS

Ph.D.	CRISPR-Cas9 DIRECTED TP53 GENE RESTORATION IN HUMAN PROSTATE CANCER CELL LINE PC-3
Master	DETERMINATION OF DNA CHANGES IN SEEDLINGS OF ARTICHOKE (CYNARA SCOLYMUS L.) SEEDS EXPOSED TO COPPER (Cu) AND LEAD (Pb) HEAVY METAL STRESS

EXPERIENCE

Title	University	Position/Research Topics	Years
Research Assistant	Manisa Celal Bayar University	Gene editing and gene expression analysis	2010-present

PUBLICATIONS (SCI & SCI EXPANDED)

1	Ulkumen B, Artunc Ulkumen B, Batir MB , Cam S, Vatansever S. The Role of TREK-1 and AQP5 in Gonadocorticoid-Related Voice Disorders. J Voice. 2020 May 19;S0892-1997(20)30160-0. doi: 10.1016/j.jvoice.2020.04.024.
2	Ulkumen B, Batir MB , Artunc Ulkumen B, Pala HG, Vatansever S, Cam S. Role of VPAC1 and VPAC2 receptors in the etiology of pregnancy rhinitis: an experimental study in rats. Braz J Otorhinolaryngol. 2020 Aug 1;S1808-8694(20)30115-4. doi: 10.1016/j.bjorl.2020.06.015.
3	Atmaca H, İlhan S, Batir MB , Pulat ÇÇ, Güner A, Bektaş H. Novel benzimidazole derivatives: Synthesis, in vitro cytotoxicity, apoptosis and cell cycle studies. Chem Biol Interact. 2020 Aug 25;327:109163. doi: 10.1016/j.cbi.2020.109163.
4	Ulkumen B, Artunc Ulkumen B, Batir MB , Pala HG, Vatansever S, Cam S. Impact of Pregnancy and Glucocorticoid Treatment on NF-κB and MUC5AC in Mucosa of Rat Larynx. J Voice. 2019 Dec; 2. pii: S0892-1997(19)30470-9. doi: 10.1016/j.jvoice.2019.11.008.
5	Batir MB , Şahin E, Çam FS. Evaluation of the CRISPR/Cas9 directed mutant TP53 gene repairing effect in human prostate cancer cell line PC-3. Mol Biol Rep. 2019 Dec; 46(6):6471-6484. doi: 10.1007/s11033-019-05093-y.
6	Kurt Ö, Mansur N, Çavuş İ, Özcan O, Batir MB , Gündüz C, Sezerman OU, Özbilgin A. First Report and In Silico Analysis of Leishmania virus (LRV2) identified in an autochthonous Leishmania major isolate in Turkey. New Microbiol. 2019 Jan;42(1):64-67.
7	Çökmüş FP, Özmen E, Alkin T, Batir MB , Çam FS. Evaluation of serum MicroRNA expression profiles in patients with panic disorder, Psychiatry and Clinical Psychopharmacology. 2018 Feb; 29:1, 8-13, DOI: 10.1080/24750573.2018.1429844.
8	Batir MB , Candan F, Buyuk I. Determination of the DNA changes in the artichoke seedlings (Cynara scolymus L.) subjected to lead and copper stresses. Plant Soil Environ. 2016 March; 62: 143-149. doi.org/10.17221/679/2015-PSE.
9	Batir MB , Candan F, Buyuk I, Aras S. The determination of physiological and DNA changes in seedlings of maize (Zea mays L.) seeds exposed to the waters of the Gediz River and copper heavy metal stress. Environ Monit Assess. 2015 Apr;187(4):169. doi: 10.1007/s10661-015-4389-6.

UPDATED: 02.10.2021