

**CURRICULUM VITAE**

Name and Surname: Aslı UĞURLU BAYARSLAN  
Academic Title: Assistant Professor  
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Area of Expertise: Natural Sciences

Degree	Department/Program	University	Year
Doctorate	MOLEKÜLER BİYOLOJİ VE GENETİK (DR)	Boğaziçi University	2016
Master's Degree	MOLEKÜLER BİYOLOJİ VE GENETİK (YL) (TEZLİ)	Boğaziçi University	2010
Bachelor's Degree	MOLEKÜLER BİYOLOJİ VE GENETİK BÖLÜMÜ	Boğaziçi University	2009

Master's Thesis Title (abstract attached) and Thesis Supervisor(s):

Negative regulation of müller reprogramming by SIK2

Doctoral Thesis/Proficiency Study/Medical Specialization Thesis Title (abstract attached) and Supervisor(s):

Negative regulation of müller reprogramming by SIK2

Position Title	Workplace	Year
Assistant Professor	Biruni University	2025-Continues
Assistant Professor	Kastamonu University	2018-2025
Research Assistant	Kastamonu University	2017-2018
Research Assistant	Boğaziçi University	2010-2017
Research Assistant	Kastamonu University	2010

Supervised Master's Theses:

1. İnsan retinal glia hücrelerinde glutamat eksitotoksitesine karşı sarı kantaron (*Hypericum perforatum*) özütleri, hiperisin ve hiperforinin etkisi (2023)
2. Sarı kantaronun (*Hypericum perforatum*) oksidatif stres koşullarında müller hücreleri üzerine etkisi (2022)
3. *Rubus canescens* DC. var. *canescens* bitki özütlerinin meme kanseri hücreleri üzerindeki etkisi (2021)
4. Gökmar özütlerinin MDA-MB-231 hücreleri üzerindeki sitotoksik ve apoptotik etkisi (2019)

Roles in Projects:

1. *Multipl skleroz hastalarının periferik kan T hücreleri ve monositlerinde tuz- indüklenbilir kinaz seviyeleri ve aktivitelerinin belirlenmesi*, TUBITAK Project, Uğurlu Bayarslan A. (Executive), 2023-Continues.

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## **PUBLICATIONS**

### **A. Articles published in international peer-reviewed journals:**

- A1.** Kuser-abali G., Uğurlu Bayarslan A., Yilmaz Y., Ozcan F., Karaer F., Bugra K., "SIK2: A Novel Negative Feedback Regulator of FGF2 Signaling", *Advanced Biology*, vol. 8, no. 11, 2024.
- A2.** İncili Ç. Y., Arslan B., Çelik E. N. Y., Ulu F., Horuz E., Baloglu M. C., Çağlıyan E., Burcu G., Uğurlu Bayarslan A., Altunoglu Y. C., "Comparative bioinformatics analysis and abiotic stress responses of expansin proteins in Cucurbitaceae members: watermelon and melon", *Protoplasma*, vol. 260, no. 2, pp. 509-527, 2023.
- A3.** Sancak S., Yazgan İ., Uğurlu Bayarslan A., Ayna A., Evecen S., Taşdelen Z., Gümüş A., Sönmez H. A., Demir M. A., Demir S. vd., "Surface chemistry dependent toxicity of inorganic nanostructure glycoconjugates on bacterial cells and cancer cell lines", *Journal of Drug Delivery Science and Technology*, vol. 79, 2023.
- A4.** Arslan B., İncili Ç. Y., Ulu F., Horuz E., Uğurlu Bayarslan A., Öçal M., Kalyoncuoğlu E., Baloglu M. C., Altunoglu Y. C., "Comparative genomic analysis of expansin superfamily gene members in zucchini and cucumber and their expression profiles under different abiotic stresses", *Physiology and Molecular Biology of Plants*, vol. 27, no. 12, pp. 2739-2756, 2021.
- A5.** Uysal S., Gevrenova R., Sinan K. I., Uğurlu Bayarslan A., Altunoglu Y. C., Zheleva-dimitrova D., Ak G., Baloglu M. C., Etienne O. K., Lobine D. vd., "New perspectives into the chemical characterization of *Sida acuta* Burm. f. extracts with respect to its anti-cancer, antioxidant and enzyme inhibitory effects", *Process Biochemistry*, vol. 105, pp. 91-101, 2021.
- A6.** Mahomoodally M. F., Uğurlu Bayarslan A., Llorent-martínez E. J., Nagamootoo M., Picot-allain M. C. N., Baloglu M. C., Altunoglu Y. C., Hosenally M., Zengin G., "Syzgium coriaceum Bosser & J. Guého—An endemic plant potentiates conventional antibiotics, inhibits clinical enzymes and induces apoptosis in breast cancer cells", *Industrial Crops and Products*, vol. 143, 2020.
- A7.** Mahomoodally M. F., Picot-allain C., Hosenally M., Uğurlu Bayarslan A., Mollica A., Stefanucci A., Llorent-martínez E., Baloglu M. C., Zengin G., "Multi-targeted potential of *Pittosporum senecia* Putt.: HPLC-ESI-MSn analysis, in silico docking, DNA protection, antimicrobial, enzyme inhibition, anti-cancer and apoptotic activity", *Computational Biology and Chemistry*, vol. 83, 2019.
- A8.** Zengin G., Uğurlu Bayarslan A., Baloglu M. C., Diuzheva A., Jekó J., Cziáky Z., Ceylan R., Aktumsek A., Picot-allain C. M. N., Fawzi Mahomoodally M., "Chemical fingerprints, antioxidant, enzyme inhibitory, and cell assays of three extracts obtained from *Sideritis ozturkii* Aytaç & Aksoy: An endemic plant from Turkey", *Journal of Pharmaceutical and Biomedical Analysis*, vol. 171, pp. 118-125, 2019.
- A9.** Mahomoodally M. F., Yerlikaya S., Llorent-martínez E. J., Uğurlu Bayarslan A., Baloglu M. C., Altunoglu Y. C., Mollica A., Dardenne K. K., Aumeeruddy M. Z., Puchoo D. vd., "Pharmacological and polyphenolic profiles of *Phyllanthus phillyreifolius* var. *commersonii* Müll. Arg: An unexplored endemic species from Mauritius", *Food Research International*, vol. 115, pp. 425-438, 2019.
- A10.** Uysal S., Uğurlu Bayarslan A., Zengin G., Baloglu M. C., Altunoglu Y. C., Mollica A., Custodio L., Neng N. R., Nogueira J. M., Mahomoodally M. F., "Novel in vitro and in silico insights of the multi-biological activities and chemical composition of *Bidens tripartita* L.", *Food and Chemical Toxicology*, vol. 111, pp. 525-536, 2018.
- A11.** Küser-abali G., Ozcan F., Uğurlu Bayarslan A., Uysal A., Fuss S. H., Bugra-bilge K., "SIK2 is involved in the negative modulation of insulin-dependent muller cell survival and implicated in hyperglycemia-induced cell death.", *Investigative ophthalmology & visual science*, vol. 54, no. 5, pp. 3526-3537, 2013.

### **D. Articles published in national peer-reviewed journals:**

- D1.** Uğurlu Bayarslan A., Bugra K., "Overexpression of SIK2 Inhibits FGF2-dependent Müller Glial Reprogramming", *Experimed*, vol. 15, no. 1, pp. 23-30, 2025.
- D2.** Dilek Tepe H., Uğurlu Bayarslan A., Yazgan İ., "Determination of Phenolic Compounds, Organic Volatile Molecules and Anti-Cancer Properties in *Inula Viscosa* L., *Viscum Album* L. and *Raphanus Sativus* L.", *Sakarya University Journal of Science*, 2021.