

ELİF KARLIK

+ (90)554 847 73 27 elifkarlik@gmail.com, elif.karlik@istinye.edu.tr
Department of Molecular Biology and Genetics, Istinye University

CURRENT POSITION

University of Istinye, Department of Molecular Biology and Genetics
Teaching Assistant, 2019-Present

EDUCATION

Istanbul University PhD, Biotechnology Dissertation: Investigations on Long Non-coding RNAs in Barley (<i>Hordeum vulgare</i> L.)	Istanbul 2012-2018
Istanbul University MSc., Molecular Biology and Genetic Dissertation: Virus-Induced Gene Silencing Studies in Barley (<i>Hordeum vulgare</i> L.)	Istanbul 2010-2012
Istanbul University BSc, Molecular Biology and Genetic Dissertation: Osmotic and Heat Stress Shock on Glucose Suppression Constitutive Invertase Mutants of <i>Schizosaccharomyces pombe</i>	Istanbul 2005-2009

GRANTS and AWARDS

THE SCIENTIFIC AND TECHNOLOGICAL RESEARCH COUNCIL OF TURKEY, National Scholarship Programme for MSc Students

THE SCIENTIFIC AND TECHNOLOGICAL RESEARCH COUNCIL OF TURKEY, National Scholarship Programme for PhD Students

TEACHING EXPERIENCE

Istinye University, Genetic Engineering and Biotechnology
Spring: 2018-2019

PUBLICATIONS

Karlık E, Değer M, Albayrak M, Üzen E, Gözükirmizi N. (2019). Transposon studies on *Colchium chalconicum*. *International Journal of Life Sciences and Biotechnology*, 2(1), 25-35.

Karlık E, Ari Ş, Gözükirmizi N (2019). LncRNAs: genetic and epigenetic effects in plants. *Biotechnology Biotechnological Equipment*, 1-11., Doi: 10.1080/13102818.2019.1581085.

Karlık, E. and Gözükirmizi, N., 2018, Expression analysis of lncRNA AK370814 involved in the barley vitamin B6 salvage pathway under salinity, *Molecular Biology Reports*, DOI: 10.1007/s11033-018-4289-2.

Çakmak, B., Karlık E., Marakli S., Gözükirmizi N., 2018, Detection of HERV-K6 and HERV-K11 Transpositions in the Human Genome, *Biomedical Reports*, 8(6), 1-5.

Karlık, E., Maraklı, S., Gözükirmizi, N., 2018, Two lncRNAs Expression Profiles in Salt Stressed Barley (*Hordeum vulgare* L.) Roots, *Cytologia*, 83(1), 37-43.

Karlık, E. and Gözükirmizi, N., 2018, Evaluation of Barley lncRNA Expression Analysis in Salinity Stress, *Russian Journal of Genetics*, 54(2), 198-204.

Türkeç A., Lucas S.J. and E. Karlık, Monitoring the prevalence of genetically modified (GM) soybean in Turkish food and feed products, *Food Cont.*, 59:766-772. DOI:10.1016/j.foodcont.2015.06.052, 2015.

Türkeç A., Lucas S.J. and E. Karlık, Monitoring the prevalence of genetically modified (GM) maize in commercial animal feeds and food products in Turkey, *J Sci Food Agriculture* DOI:10.1002/jsfa.7496, 2015.

Yörük, E., Karlık, E., Gazdaglı, A., Kayis, M., Kaya, F., Albayrak, G., 2015, Expression Analysis of PKS13, FG08079.1 and PKS10 Genes in *Fusarium graminearum* and *Fusarium culmorum*, *Iranian Journal of Biotechnology*, 13(2), e1035.

Shahid M. Q., Ucarlı C., Karlık E., Uzuner S. K. And F. Gurel, Silencing of G-Protein α -Subunit in Barley (*Hordeum vulgare* L.) by VIGS and its Effect on the Plant Growth, *Turkish Journal of Field Crops*, 20(2), 259-264.

BOOK CHAPTERS and Others

Gözükirmizi N., Karlık E., 2019. Bitki Biyoteknolojisinde Güncel Yaklaşımlar, Chapter (Bitki Biyoteknolojisinde Tarihsel Gelişmeler) (2019)., Palme Yayıncılık, Eds: Prof. Dr. Yelda Özden Çiftçi ve Prof. Dr. Ahu Altınkut Uncuoğlu, 1, (382), ISBN:9786052823040. In Turkish.

Gözükirmizi, N. and Karlık, E., 2017, Bitki Biyoteknolojisinde Tarihsel Gelişmeler, *Journal of Türktob* 6(24), 4-11.

Gözükirmizi, N. and Karlık, E., 2017, Barley (*Hordeum vulgare* L.) improvement past, present and future, *Brewing Technology*, In: Kanauchi, M. (ed.), Chapter 1, Intech-open science-open, Hungry Minds Inc., Rijeka, 1-25.

Karlık E. and N. Gözükirmizi, "New Player of ncRNAs: Long Non-coding RNAs", *Journal of Analytical & Pharmaceutical Research*, vol.3, no.4, pp.64-68, 2016.

Karlık E. and H. Tombuloglu, "Molecular Markers and Their Applications", *Plant Omics: Trends and Applications*, ed K.R. Hakeem, H. Tombuloglu and G. Tombuloglu, Springer, pp.137-157, 2016.

Lucas S.J., Türkeç A. and E. Karlık, "The Future of GM Foods or GM Foods of the Future: Where is the Biotech Revolution Headings?", *Food Toxicology* ed D. Bagchi, CRC Press/Taylor and Francis, pp.518-537, 2016.

PRESENTATIONS

Gözükirmizi, N., 2018, Alterations of lncRNAs Expressions Under Salinity Stress and Display of Localizations via FISH in Barley, ICAFOF, IZMIR, TURKEY, 2-5 April 2018, 1(1), 39-39.

Albayrak, M., Karlık, E., Gözükirmizi, N., 2018, Identification of Transposon Movements on *Colchicum chalconicum* ICAFOF, IZMIR, TURKEY, 2-5 April 2018, 1(1), 254-254.

Karlık, E. and Gözükirmizi, N., 2017, Salt stress effects during germination on barley, ICAFOF, NEVŞEHİR, TURKEY, 15-17 May 2017, 1(1), 107-107.

Albayrak, M., Karlık, E., Gözükirmizi, N., 2017, Tissue Culture and Transposon Studies on *Colchicum chalconoticum*, Green Biotechnology, ISTANBUL, TURKEY, 11-13 September 2017, 1(1), 86-86.

Karlık, E. and Gözükirmizi, N., 2017, Expression Analysis of lncRNAs in Barley Under Salinity Stress, Green Biotechnology, ISTANBUL, TURKEY, 11-13 September 2017, 1(1), 95-95.

Gözükirmizi, N. and Karlık, E., 2017, Salt stress effects on germination and lncRNA expression in barley roots, III.Plant Breeding Congress, Girne, TURKISH REPUBLIC of NORTHERN CYPRUS, 15-19 October 2017, 1(1), 14-14.

Karlık, E. and Tombulođlu, H., 2015, Interactions between miRNAs and lncRNAs, EMBO/EMBL Symposium: The Non-Coding Genome, 2015.

Yörük, E., Gazdađlı, A., Karlık, E., Kayış, M., Kaya, F., and Albayrak, G., 2013, Mycotoxin Profiling of *Fusarium* spp. From Turkey, 2nd International Congress of the Molecular Biology Association of Turkey, 2013.