

Dr. Bahar Soğutmaz Özdemir



Assistant Professor

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Research Interest

Plant Biotechnology
Plant Tissue Culture
Transgenic Technology
Molecular Genetics
Genomics and Transcriptomics
Agricultural Improvement against Abiotic Stress

Biography

BSc: Biological Sciences, METU, 1998
MSc: Biological Sciences, METU, 2003
PhD: Biological Sciences and Bioengineering, Sabancı University, 2009

Paper

Tatli O, Nikerel E, **Soğutmaz-Ozdemir B**, “Evaluation of metabolite extraction protocols and determination of physiological response to drought stress via reporter metabolites in model plant *Brachypodium distachyon*”, Turkish J Bot (2015) 39: 1042-1050.

Filiz E, **Ozdemir BS**, Budak F, Vogel JP, Tuna M and Budak H (2009) Molecular, morphological and cytological analysis of diverse *Brachypodium distachyon* inbred lines. Genome, 52(10), 876-890.

Ozdemir BS, Hernandez P, Filiz E and Budak H (2008) *Brachypodium* Genomics. International Journal of Plant Genomics, vol. 2008, Article ID 536104, 7 pages. doi:10.1155/2008/536104.

Book

Ozdemir BS and Budak H. (2016) Application of tissue culture and transformation techniques in model species, *Brachypodium distachyon*. *Brachypodium* Genomics: Cataloguing the functional advances in the model plant of Pooidaeae clade, Methods in Molecular Biology, Springer, *in press*.

Ozdemir BS and Budak H (2010) Book Chapter: *Agrostis*. Wild Crop Relatives - Genomic and Breeding Resources, Millets and Grasses: Edited by Chittaranjan Kole, Springer- Verlag, Berlin, Heidelberg, pp 1-15. DOI 10.1007/978-3-642-14255-0_1, ISBN 978-3-642-14254-3.

Courses

GBE205: Cell Biology
GBE373: Plant Tissue Culture Engineering
GBE400: Summer Practice
BTEC 506: Plant Biotechnology
BTEC 550: Methods in Scientific Research

Website

<http://plantbiotech.yeditepe.edu.tr/bahar>