Behnaz Dolatabadi

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**Education**

**Sari Agricultural Sciences and Natural Resources University** Mazandaran, Iran

Ph. D., Plant breeding, 2014-current

* Thesis: Functional characterization of the late embryogenesis abundant (LEA) protein gene family in *Aeluropus littoralis*

**Sari Agricultural Sciences and Natural Resources University** Mazandaran, Iran

M.Sc., Plant breeding 2010-2013

* Thesis: increased resistance to fungal pathogen Fusarium oxysporum in tomato using genetic transformation with three PRP genes

**Gorgan University of Agricultural Sciences and Natural Resources** Gorgan, Iran

B. Sc., Agronomy & plant breeding 2005-2009

**Experience**

**Leibniz Institute of Plant Genetics and Crop Plant Research** Gatersleben, Germany

PhD fellowship 2018-current

**Presentation**

* Hashemipetrudi, HA., & Dolatabadi, B. (2017). Gene Expression Analysis of H+-ATPase and A20/AN1-ZF to Salinity stress in Aeluropus littoralis. The 2nd International and 10th National Iranian Biotechnology Congress. Tehran. Iran.
* Dolatabadi, B., Ranjbar, GH., Tohidfar, M., & Dehestani, A. (2012). Tomato transformation using recombinant vectors containing three pathogenesis-related protein genes. 3rd Iranian Agricultural Biotechnology Conference. Mashhad, Iran.
* Dolatabadi, B., Ranjbar, GH., Tohidfar, M., & Dehestani, A. (2012). Codon optimization of gene encoding Bacterial cytochrome P450 for transformation to family of Solanaceae order to reduce the effects of herbicides. 3rd Iranian Agricultural Biotechnology Conference. Mashhad, Iran.
* Dolatabadi, B and Najafi, H. (2012). The Study of promoter Kin1 and its expression in Arabidopsis thaliana. 12th Iranian Genetics congress. Tehran, Iran.

**Publication**

* Dolatabadi, B., Ranjbar, GH., Najafi, H., & Hashemi, S. H. (2020). Characterization and Role of the Dehydrin Proteins Family in Abiotic Stress Tolerance in Aeluropus littoralis . Journal of Crop Biotechnology 10(31),101-115.
* Dolatabadi, B., Ranjbar, GH., Tohidfar, M., & Dehestani, A. (2014). Genetic transformation of Tomato with three pathogenesis-related protein genes for increased resistance to Fusarium oxysporum f.sp. lycopersici. Journal of Plant molecular breeding 1(2), 1-11.
* Dolatabadi, B., Ranjbar, GH., Tohidfar, M., & Dehestani, A. (2013). effects of growth regulators, explant and genotype on shoot regeneration in tomato ( Lycopersicon esculentum L.). Journal of Crop management.
* Jahani, M., Nematzadeh, G., Dolatabadi, B., & Mohammadi-Nejad, G. (2014). Identification and validation of functional markers in a global rice collection through association mapping. Genome, 57,1-8.
* Jahani, M., Nematzadeh, G., Mohammadi-Nejad, G., Hashemi, S. H., Dolatabadi, B., & Hajipoor, A. (2013). Evaluation of GS3 proteins in variation of rice grain length. International Journal of Agronomy and Plant Production, 4(8), 2030-2032. ISC.
* Jahani, M., Nematzadeh, G., Mohammadi-Nejad, G., Hamidreza, S., Hashemi, Dolatabadi, B., & Hajipoor, A. (2013). Grain Size Diversity in Rice (Oryza sativa L.) Genotypes. International Journal of Agronomy and Plant Production, 4(8), 2024-2029. ISC.
* Raoufi A, Tohidfar M, Solouki M, Mohsenpour M, Najafi S, Dolatabadi B, Ranjbar A (2012). Tomato transformation using recombinant vectors containing genes PR1, chitinase and glucanase. Modern Genetics Journal, 17(2), 147-156.

**Workshop**

* New methods in Functional genomics (2013 ), Genetics and Agricultural Biotechnology Institute of Tabarestan
* Biotechnology and in vitro production of secondary metaboloits(2012), Sari Agricultural Sciences and Natural Resources University (SANRU)
* Applications Bioinformatics in Gene cloning (2012), Iranian Biological Resource Center (IBRC)
* Applications of DNASIS max 3 & seq Builder softwer in Bioinformatics of Nucleic acid and Proteins (2011), Genetics and Agricultural Biotechnology Institute of Tabarestan
* Bioinformatics: Principles and Applications (2011), Genetics and Agricultural Biotechnology Institute of Tabarestan.

**Skill**

**Laboratory:** molecular cloning, recombinant protein production and purification, western blotting, tissue culture, plant and bacterial transformation, DNA and RNA extraction, standard and Real-time PCR, primer design

**Technical:** Microsoft office, Internet**,** SAS, SPSS, DNA star, Vector NTI, DNASIS max, primer 3

**Language:** Persian (native, Mother tongue), English(Fluent), Germany(Basic)