SOROUR ARZHANG

PHD CANDIDATE IN MOLECULAR GENETICS AND GENETIC ENGINEERING

EDUCATION

2015- Now. PhD Candidate in *Molecular Genetics and Genetic Engineering*, from the Department of Plant Breeding and Biotechnology, Faculty of Agriculture, Urmia University, Urmia, IRAN. (http://en.urmia.ac.ir/)

DISSERTATION: Genome and Transcriptome Analysis of Salt Tolerance in Maize (*Zea mays* L.) under Salt Stress Conditions.

2009- 2012. Master of Science in *Plant Breeding*, from the Department of Agronomy and Plant Breeding, Faculty of Agriculture, Urmia University, Urmia, IRAN.

DISSERTATION: Assessment of Genetic Diversity in Bread Wheat (*Triticum aestivum L.*) Lines using Morphological Traits.

2005- 2009. Bachelor of Science in *Agronomy and Plant Breeding* from the Department of Agronomy and Plant Breeding, Faculty of Agriculture, Urmia University, Urmia, IRAN.

2004. Diploma in Biology course from Farzanegan School of Sanandaj (National Organization for Development of Exceptional Talents).

CONGRESS

Arzhang, S., R. Darvishzadeh, H. Alipour. 2018. Genome-wide association mapping of potassium/sodium ratio related to salinity tolerance in maize inbred lines. 3rd International & 15th National Iranian Crop Science Congress. Karaj, Iran.

Rasulzadeh-Aghdam, M., R. Darvishzadeh, E. Sepehr, H. Alipour, **S. Arzhang**. 2018. Grouping of sunflower inbred lines under no use and consumption of phosphorus fertilizer conditions. 20th National & 8th International Congress on Biology, University of Maragheh, Iran.

Arzhang, S., M. Razmjou, H. Alipour, R. Darvishzadeh. 2017. Identifying pattern of genetic diversity in maize inbred lines using high-density SNP markers. 2nd International and 10th National Biotechnology Congress of Islamic Republic of Iran. Karaj, Iran.

Arzhang, S., S. Dashchi, I. Bernousi, B. Abdollahi. 2012. Assessment of genetic diversity based on morphological traits in wheat cultivars using multivariate statistical analysis. 12th Iranian Crop Science and Plant Breeding Congress. Karaj, Iran.

Zahedmanesh, M., Sh. Shahrokhi, H. Ranji, **S. Arzhang**, N. Ghaderi. 2012. Assessment of phenological variability in different cultivars of Canola (*Brassica napus* L.). 2th National Conference on Biodiversity and its Impact on Agriculture and the Environment. Urmia, Iran.

Abdollahi Mandoulakani, B., **S. Arzhang**, Y. Piri, F. Nozohour. 2012. Assessment of genetic diversity in Alfalfa populations using SSR markers. 12th Iranian Genetics Congress. Tehran, Iran.

Arzhang, S., I. Bernousi, B. Abdollahi. 2011. Assessment of genetic variability and heritability based on morphological traits in wheat lines. 5th Regional Congress on Advances in Agricultural Research (West of Iran). Sanandaj, Iran.

Arzhang, S., I. Bernousi, B. Abdollahi Mandoulakani, R. Mahmoudi Mandoulakani, E. Ghorbanpour, Y. Sharafi, H. Azizi. 2010. Assessing variation between different Aegilops species using multivariate statistical methods. 1th National Conference on Biodiversity and its Impact on Agriculture and the Environment. Urmia, Iran.

PUBLICATIONS

Abdollahi Mandoulakani, B., Sh. Nasri, S. Dashchi, **S. Arzhang**, I. Bernousi, H. Abbasi Holasou. **2017**. Preliminary evidence for associations between molecular markers and quantitative traits in a set of bread wheat (*Triticum aestivum* L.) cultivars and breeding lines. Comptes Rendus Biologies. 340: 307-313.

Arzhang, S., I. Bernousi, B. Abdollahi Mandoulakani, A. Hassanzadeh Ghoorttappeh. **2016**. Genetic Diversity of Grain Yield and Morphological Traits in Local Bread Wheat Lines. Seed and Plant Improvement Journal. 32(4): 489-506.

Abdollahi Mandoulakani, B., P. Sadigh, H. Azizi, Y. Piri, Sh. Nasri, **S. Arzhang**. **2015**. Comparative Assessment of IRAP, REMAP, ISSR, and SSR Markers for Evaluation of Genetic Diversity of Alfalfa (Medicago sativa L.). Journal of Agricultural Science and Technology. 17: 999-1010.

KEY SKILLS GAINED & INTERESTS

- Statistical analysis using statistical software (R, TASSEL, STRUCTURE, SAS, SPSS, MiniTab, StatGraphics,…)

- Expertise in working with molecular markers

- Plant response to biotic and abiotic stresses

- Genomics and Transcriptomics

- Biometric genetics, Molecular genetics, Biotechnology

PROFESSIONAL QUALIFICATIONS

- ✓ RNA Sequencing Data Analysis Certification

- ✓ R Software Certification

- ✓ Statistical Software (SPSS & SAS) Certification

- ✓ International Computer Driving License (ICDL)

- ✓ Competency Based Training (CBT) Certification

- ✓ Certificate in Research Commercialization of Biotechnology

PERSONAL DETAILS

- o Date of Birth: April/27/1986

- o Marital status: Single

- o Nationality: Iranian

- o Language(s): Fluent Persian and Kurdish; familiar with English and Azeri.

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