Curriculum Vitae

SAEID DAGHIGHI
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Education

- **Ph.D in Horticultural Science, Pomology, Ferdowsi University of Mashhad (FUM), Iran**
- **Tesis: Evaluation of cytogenetic Studies, different propagation methods of Zizyphus jujuba Mill. ecotypes in south khorasan province and existing collection along with effects of Mycorrhizal symbiosis**
- **M.Sc in Horticultural Science, Pomology, Tarbiat Modares University (TMU), Iran**
- **B.Sc in Horticultural Science, Shahid Chamran University of Ahvaz, Iran**

Teaching & Advising Experience

Teaching in the following topics, Department of Horticultural Science, Faculty of Agriculture, University of Birjand, Iran

B.Sc

- **Principles and Methods of Plant Propagation**
- **Temperate Zone Fruits**
- **Pomology skills 1**
- **Pomology skills 2**
- **Principles of Biotechnology and Plant Tissue Culture**
- **Principles of Horticulture**
- **General Vegetable Growing**
- **Special Vegetable Growing**
- **Farming Operations**

M.Sc

- **Plant Biotechnology**
- **Plant Tissue and Cell Culture**
- **Plant Growth Regulators**
- **Production Management of Horticultural Crops**
- **Fruit Tree Physiology**

Research Experience

Doctoral Researcher & Research Assistant:
Department of Horticultural Science, Ferdowsi University of Mashhad (FUM), Iran
Laboratory of UMR (GenHort), University of Angers, France

- **Molecular Cytogenetics**
- **Fluorescence In Situ Hybridization (FISH): detecting and localizing the presence or absence of specific DNA sequences on Rose chromosomes (R.chinensis 'Old Blush', R.wischurana) and identifying the Nucleolus Organizing Region (NOR) with probes for 45S which detected two NORs**
- **Genomic in situ hybridization (GISH): Identifying parental chromosomes in hybrid Rose (R.chinensis 'Old Blush', R.wischurana, and la France) using total DNA**
- **Extracting high-quality DNA from plant tissues in varieties of Rose (R.chinensis 'Old Blush', R.wischurana, la France, Soleil d'Or)**
- **Determining chromosome number from different parts of plant including leaves, roots, and meristem tip**
- **Using epifluorescence microscope for studying molecular cytogenetic specimens**
- **Modeling fruit-structure in apple and its relation to other parts of the tree**

Publications

Papers in Journals

- **JAHANI, M., Daghighi, S., Daghighi, M., & NAKHAEI, A. (2009). Identification of mycorrhiza in Jujube tree (ziziphus jujuba mill) and the effect of the age of the tree on the quantity of mycorrhiza.**
- **Daghighi Saeid, et al. "INVESTIGATING THE EFFECT OF IRRIGATION PERIOD ON THE QUANTITY OF JUJUBE (ZIZIPHUS JUJUBA MILL.) TREE MYCORRHIZATION." Journal Of Plant Researches. 21.3 (2014): 191-202.**
- **Omidbaigi, R. and Daghighi, S. (2005). EFFECTS OF SUCKER AGE AND TRANSPLANTING TIME ON THE PROPAGATION OF JUJUBE TREE. Acta Hortic. 676, 143-146.**
- **Daghighi Saeid, Alizadeh Zohreh, Habibi Homa. 2018. Evaluation of SSR and RAPD Markers in Genetic Diversity Study of South Khorasan Province Agricultural Research Center Collection Jujube Genotypes (Ziziphus jujuba Mill.). Iranian Journal of Horticultural Science.**

Papers in Conferences

- **Omidbaigi, R., & Daghighi, S. (2003, February). Effects of sucker age and transplanting time on the propagation of jujube tree. In III WOCMAP Congress on Medicinal and Aromatic Plants-Volume 2: Conservation, Cultivation and Sustainable Use of Medicinal and 676 (pp. 143-146).**
- **Saeid Daghighi, Reza Omidbaigi. 2000. Seed Germination of Jujube Tree (Zizyphus jujuba Mill). The second Horticulture Conferece.**
- **Daghighi S., Pernet A., Coriton O., Daguin F. 2008. Rosa genotypes involved in the emergency of modern roses through human selection : cytogenetic approach. International Conference on Polyploidy, Hybridization and Biodiversity.**
- **Homa Habibi, Saeid Daghighi, Zohreh Alizadeh. 2018. Evaluation of genetic diversity Ziziphus jujuba Mill. By RAPD Marker (Genotypes in the collection of Agricultural and Natural Resources Research Center of South Khorasan. 1st International Conference and the 2nd National Conference on Biotechnology of Medical Plants and Mushrooms.**
- **Homa Habibi, Saeid Daghighi, Zohreh Alizadeh. 2018. Investigation of Genetic Diversity in jujube Genotypes, the collection of Agricultural and Natural Resources Research Center of South Khorasan, By SSR Marker. The 2nd National Conference on Modern Research in**

Agricultural Engineering, Environment and Natural Resources.

- **Saeid Daghighi, Hassan Bayat. 2017. Effects of Drought Stress on Seed Germination and Seedling Growth of Viola (Viola tricolor L.). I International Conference & X National Horticultural Science Congress of Iran (IrHC2017).**
- **Saeid Daghighi, Hassan Bayat, Homa Habibi. 2017. The Role Of Molecular Cytogenetic Studies In Identify Chromosomes Of Differente Cultivar Of Roses With Application Of 45S Probe. I International Conference & X National Horticultural Science Congress of Iran (IrHC2017).**

Language(s)

- **French: Fluent**
- **English: Fluent**

Hobbies & Interests

- **Sports (Football, Swimming, Running/Jogging)**
- **Chess**
- **Reading**
- **Cooking**
- **Music**