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**EDUCATION**

**Ph.D In Plant Breeding - Molecular Genetics**University of Tehran 2004-2009
**M.Sc In Agricultural Biotechnology**University of Tehran 2002-2004
**B.Sc In Agronomy and Plant Breeding**University of Birjand 1998-2002

**PUBLICATIONS**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **245** | **8** | **80** | **88** | **2** |
| Citations | h-Index | Article | Conference | Book |

***Articles***

**1.** Study of Half-Sib Families of Ajowan ( Carum copticum L.) Provides New Insights into the Heritability of Some Important Traits. Pourrahimi Majid, Sadat Noori Seyed Ahmad, amini fatemeh, Ramshini Hossein (2024)., International Journal of Horticultural Science and Technology, 2(11).

**2.** Evaluation of Heterosis and Heritability of Quantitative Traits and Grouping of New Cultivars and Genotypes of Fennel (Foeniculum vulgare. Mill). Akbari Azam, Izadi Darbandi Ali, Ramshini Hossein, Ebrahimi Mohsen (2023)., Iranian Field crops research, 21(2), 173-188.

**3.** Use of Multivariate Statistical Analysis for Group Selection of Genotypes of two Segregating Populations of Melon. Pourmombini Safdar, Lotfi Mahmoud, Ramshini Hossein (2023)., Iranian Journal of Horticultural Science(Iranian Journal Of Agriculture Sciences), 54(2), 301-320.

**4.** Estimation of Gene Action and Genetic Parameters for Morphological Traits in F1, F2 and F3 Generations of Tomato (Lycopersicum esculantum L.). رحیمی جاوید, amini fatemeh, Ramshini Hossein, عابدی ماهیار, Lotfi Mahmoud (2023)., journal of plant genetic researches,., 9(2).

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**9.** Fatty Acid Profiling and Oil Content Variation among Iranian Fennel (Foeniculum vulgare Mill. var. vulgare) Landraces. Izadi Darbandi Ali, Akbari Azam, Bahmani Kayvan, Warner Ryan, Ebrahimi Mohsen, Ramshini Hossein (2022)., International Journal of Horticultural Science and Technology, 10(3).

**10.** Effect of macronutrients and micronutrients on biochemical properties in Paulownia shantung. دومانی یاسین, Mortazavian Seyed Mohammad Mahdi, Izadi Darbandi Ali, Ramshini Hossein (2022)., PLANT CELL TISSUE AND ORGAN CULTURE, 151(3), 483-495.

**11.** The Evaluation of Grain Yield Stability in Sunflower Varieties Using Univariate Analysis and AMMI Method. Ansarifard Isa, خداداد مصطفوی, Khosrowchahli Mahmood, Bihamta Mohammadreza, Ramshini Hossein (2022)., journal of crop breeding, 14(42).

**12.** Interaction of nutrients, pH and osmotic potential of culture medium on calli induction and embryogenesis of Paulownia tree in vitro. دومانی یاسین, Mortazavian Seyed Mohammad Mahdi, Izadi Darbandi Ali, Ramshini Hossein (2022)., Journal of Forest Research and Development, 8(1).

**13.** Evaluation of Yield Relationships and Yield Components in Maize Hybrids using Multivariate and Graphical Methods in Karaj Region. shojaei seyed habib, Mostafave Khodadad, Khosrowchahli Mahmood, Bihamta Mohammadreza, Ramshini Hossein (2022)., journal of crop breeding, 14(41).

**14.** Effects of liquid humic acid and mother corm weight on flower yield and active substances of saffron (Crocus sativus L.) stigma. Rooki Jalal, Ghorbani Javid Majid, Allah Dadi Eiraj, Akbari Gholamali, Ramshini Hossein (2022)., Journal of Saffron Research, 10(1), 148-159.

**15.** Multiple fungal diseases resistance induction in Cucumis melo through co-transformation of different pathogenesis related (PR) protein genes. Raji Mohammad Reza, Lotfi Mahmoud, توحیدفر مسعود, Ramshini Hossein, Sahebani Navazollah, Aalifar Mostafa, براتیان مهناز, Mercati Francesco, De Michele Roberto, Carimi Francesco (2022)., SCIENTIA HORTICULTURAE, 297(1).

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**17.** Molecular investigation of selected genes involved in the biosynthesis of flavonoids in two cumin ecotypes. [] [], Mortazavian Seyed Mohammad Mahdi, Izadi Darbandi Ali, Ramshini Hossein (2022)., Journal of Medicinal Plants Biotechnology, 7(2).

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**19.** Titanium dioxide nanoparticles affect somatic embryo initiation, development, and biochemical composition in Paulownia sp. seedlings. دومانی یاسین, Mortazavian Seyed Mohammad Mahdi, Izadi Darbandi Ali, Ramshini Hossein, amini fatemeh (2022)., INDUSTRIAL CROPS AND PRODUCTS, 176(176), 114398.

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**23.** Regeneration of Trachyspermum ammi L. Sprague ecotypes via indirect somatic embryogenesis using hypocotyl and epicotyl explants. Nomani Masome, Sadat Noori Seyed Ahmad, Tohedfar Masood, Ramshini Hossein (2021)., INDIAN JOURNAL OF EXPERIMENTAL BIOLOGY, 1(58), 263-269.

**24.** Three-Step Screening for Salinity Tolerance in Ajowan (Trachyspermum ammi L.) Sprague ex Turrill). Sadat Noori Seyed Ahmad, Sadeghi Gol Fatemeh, Ramshini Hossein, Foghi Behrouz, Niazian Mohsen (2021)., Journal of Agricultural Science and Technology, 23(2), 419-435.

**25.** Prioritisation of candidate genes in QTL regions for seed germination and early seedling growth in bread wheat (Triticum aestivum) under salt-stress conditions. Rezaee Elham, Majede Harvan Eslam, Azadi Amin, علیرضا اطمینان, Ramshini Hossein (2021)., Crop & Pasture Science, 72(1), 1.

**26.** Generation mean analysis to estimation gene action and heritability of significant traits associated with cantaloupe fruit (Cucumis melo L.). amini fatemeh, Tansazi Negar, Ramshini Hossein, Lotfi Mahmoud, Ebrahimi Mohsen (2020)., Iranian Journal of Horticultural Science(Iranian Journal Of Agriculture Sciences), 51(3), 645-655.

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**30.** A study on genotype–environment interaction based on GGE bi-plot graphical method in sunflower genotypes ( Helianthus annuus L.). Ansarifard Isa, Mostafave Khodadad, Khosrowchahli Mahmood, Bihamta Mohammadreza, Ramshini Hossein (2020)., FOOD SCIENCE & NUTRITION, 8(7).

**31.** Flowering in Persian walnut: patterns of gene expression during flower development. Hassan Khah Amin, Rahemi Majid, Ramshini Hossein, Sarikhani Saadat, Vahdati Kourosh (2020)., BMC PLANT BIOLOGY, 20(1).

**32.** Genetic Variation of Seed Related Traits in Festuca arundinacea Using Multivariate Statistical Methods. Masoumi Peiman, amini fatemeh, Ramshini Hossein (2020)., journal of plant genetic researches,., 6(2), 55-68.

**33.** Evaluation of emergence of Osium basilicum L. in salt stress and drought stress conditions. Mirfazeli Marieh Sadat, Akbari Gholamabas, Ramshini Hossein (2019)., Environment Stress in Crop Sciences, 12(2).

**34.** Rapid and high throughput regeneration in fennel (Foeniculum vulgare Mill.) from embryo explants. Shahi Shiva, Izadi Darbandi Ali, Ramshini Hossein, Younesi Hamzeh Khanlo Mahdi (2019)., journal of plant molecular breeding, 5(2).

**35.** overexpression of TPS2 gene to increase thymolcontent using agrobacterium tumefaciens-mediated transformationin Trachyspermumammi(Qom ecotype). Nomani Masome, Sadat Noori Seyed Ahmad, Tohidfar Masoud, Ramshini Hossein (2019)., INDUSTRIAL CROPS AND PRODUCTS, 130(130), 63-70.

**36.** Selection of basil (Ocimum basilicum L.) full-sib families from diverse landraces. Akbari Gholamabas, Binesh Sahar, Ramshini Hossein, Soltani Elias, amini fatemeh, Mirfazeli Marieh Sadat (2019)., Journal of Applied Research on Medicinal and Aromatic Plants, 12(3), 66-72.

**37.** Evaluation of genetic diversity of Iranian bread wheat genotypes considering germination related traits under normal and osmotic stress. Ramshini Hossein, Mirzazadeh Tahere, Esmaeil Zadeh Moghaddam Mohsen, amini fatemeh, Amiri Reza (2018)., Journal of Cereal Research, 7(4), 503-518.

**38.** Genetic diversity among tall fescue ecotypes using agro-morphological traits, nutritional values and AFLP molecular markers. amini fatemeh, Masoomi Peyman, Ramshini Hossein, Norouzian Mohammad Ali (2018)., Iranian journal of genetics and plant breeding, 7(2).

**39.** SNP Marker AsistedSelection for identification of fusarium Resistant Melon Plants. Taghikhani Shima, Ramshini Hossein, Sadat Noori Seyed Ahmad, Lotfi Mahmoud, Izadi Darbandi Ali, Sousarari Naeimeh, Varvani Farahani Abdollah (2018)., journal of plant genetic researches,., 5(1), 63-76.

**40.** Isolation and cloning of 3-hydroxy-3-methylglutaryl-coenzyme reductase gene a from fennel (F.Vulgar). Saed-mocheshi Kejvan, Izadi Darbandi Ali, Ramshini Hossein (2018).

**41.** Assessment of seed germination on the response to water potential in different canola genotypes using hydrotime model. Adeli Roqia, Soltani Elias, Akbari Gholamabas, Ramshini Hossein (2018)., Journal of Crops Improvement, 19(4), 921-932.

**42.** optimization of effective factor on β-glucuronidase (GUS) gene transformation by Agrobacterium to Trachyspermum ammi. Nomani Masome, Sadat Noori Seyed Ahmad, Tohedfar Masood, Ramshini Hossein (2018)., Genetic Engineering and Biosafety Journal, 6(2), 269-279.

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**44.** Marker assisted selection using SCAR to develop Fusarium (Fusarium oxysporum f.sp. melonis) resistant melon. Taghikhani Shima, Ramshini Hossein, Sadat Noori Seyed Ahmad, Lotfi Mahmoud, Izadi Darbandi Ali, Naghdi Mohammad Reza (2017).

**45.** Application of hydrotime model to predict early vigour of rapeseed (Brassica napus L.) under abiotic stresses. Soltani Elias, Adeli Roqia, Akbari Gholamabas, Ramshini Hossein (2017)., ACTA PHYSIOLOGIAE PLANTARUM, 39(11), 252.

**46.** The structure and genetic diversity of Iranian cumin populations (Cuminum cyminum L.) using SCoT molecular markers. Ebrahimiyan Mahsa, Ebrahimi Mohsen, Mortazavian Seyed Mohammad Mahdi, Ramshini Hossein (2017).

**47.** Genetic analysis of yield and fruit traits in cantaloupe cultivars. Pouyesh Alireza, Lotfi Mahmoud, Ramshini Hossein, Karami Ezzat, Shamsi Tabar Aliasghar, Armion Elahe (2017)., PLANT BREEDING, 136(4), 569-577.

**48.** Phenotypic Variability Assessment of Sugarcane Germplasm (Saccharum officinarum L.) and Extraction of an Applied Mini-Core Collection. Shadmehr Atena, Ramshini Hossein, مهرشاد زین العابدینی, مسعود پرویزی آلمانی, Ghaffari Mohammad Reza, Izadi Darbandi Ali, Foladvand Mahmood (2017)., Agriculture-basel, 7(7), 55.

**49.** The investigation of Allelopathic potential of 70 wheat (Triticum aestivum) cultivars on germination and seedling growth of volunteer canola (Brassica napus). Mohammadi Lalabadi Nasrin, Soltani Elias, Oveisi Mosataf, Ramshini Hossein (2017).

**50.** Towards conservation and breeding of Ajowan (Trachyspermum ammi) by assessing ISSR, morphological traits and germination variability. Sadati Sina, Sadat Noori Seyed Ahmad, Ramshini Hossein, Soltani Elias, Foghi Behrouz (2017)., Iranian journal of genetics and plant breeding, 5(1), 21-8.

**51.** Identification of sensitive and tolerant wheat genotypes to drought stress based on some physiological and phenological traits. Soleimani Zeinab, Ramshini Hossein, Mortazavian Seyed Mohammad Mahdi, Foghi Behrouz (2017)., Journal of Cereal Research, 6(3), 293-305.

**52.** Evaluation of Drought Tolerance in wheat Genotypes under Drought Stress at Germination Stage. Shirazi Elahe, بهمن فاضلی نسب, Ramshini Hossein, Fazel Mahdi, Izadi Darbandi Ali (2017)., journal of crop breeding, 8(20), 207-219.

**53.** Assessment of molecular diversity and genetic relationship and structure of Iranian sugarcane germplasm using microsatellite markers. Shadmehr Atena, Ramshini Hossein, مهرشاد زین العابدینی, مسعود پرویزی آلمانی, Ghaffari Mohammad Reza, Izadi Darbandi Ali, Farsi Maryam, Foladvand Mahmood (2017)., Journal of Crop Biotechnology, 6(16), 45-59.

**54.** Imported infected cucurbit seeds cause of establishment and distribution of central Europe isolates of Zucchini yellow mosaic virus in Varamin (Sothern Tehran, Iran). Gholizadeh-roshanagh Somayeh, Nuorinejad Shahin, Aminiyan Heshmatollah, Jafari Majid, Ramshini Hossein (2017)., Genetic Engineering and Biosafety Journal, 5(2), 125-133.

**55.** Molecular study of high molecular weight glutenin subunits in tetraploid and hexaploid Iranian wheat landraces. Mirniam Gitasadat, Ebrahimi Mohsen, Izadi Darbandi Ali, Ramshini Hossein, Abdipour Moslem (2017).

**56.** Evaluation of Bread Wheat Genotypes under Normal and Post-anthesis Drought Stress Conditions for Agronomic Traits. Mohseni Mandana, Mortazavian Seyed Mohammad Mahdi, Ramshini Hossein, Foghi Behrouz (2016)., journal of crop breeding, 8(18), 16-29.

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**58.** Relationships between seed yield and plant characteristics in synthetic cultivars and elite ecotypes of fennel (Foeniculum vulgare Mill.) under drought stress conditions. Akbar Azam, Izadi Darbandi Ali, Bahmani Kayvan, Ramshini Hossein (2016)., Iranian Journal of Crop Sciences, 17(4), 301-314.

**59.** Agro-morphological and phytochemical diversity of various Iranianfennel landraces. Bahmani Kayvan, Izadi Darbandi Ali, Ramshini Hossein, Moradi Narges, Akbar Azam (2015)., INDUSTRIAL CROPS AND PRODUCTS, 77(1).

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**62.** Assessment of Wheat Yield Response to Water Shortage Using Various Tolerance Indices. Mortazavian Seyed Mohammad Mahdi, Ramshini Hossein, Mohseni Mandana, Nabavi Tooba (2015)., PHILIPPINE AGRICULTURAL SCIENTIST, 98(3), 262-269.

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**64.** A new index to evaluate salinity tolerance at the germination stage based on the parameters of non-linear regressions: Trachyspermum copticum as case study. Sadat Noori Seyed Ahmad, Ramshini Hossein, Soltani Elias, Sadati Sina, Foghi Behrouz (2015)., SEED SCIENCE AND TECHNOLOGY, 43(2), 1-11.

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**67.** Screening for drought tolerance in Iranian wheat genotypes (Triticum aestivum L.) using physiological traits evaluated under drought stress and normal condition. Soleimani Zeynab, Ramshini Hossein, Mortazavian Seyed Mohammad Mahdi, Fazel Najaf Abadi Mehdi, Foghi Behrouz (2014)., Australian Journal of Crop Science, 8(2), 200-207.

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**70.** INVESTIGATION OF DROUGHT STRESS EFFECT ON MORPHOLOGIC TRAITS, YIELD AND YIELD COMPONENTS OF CORN (ZEA MAYS L.) NEW HYBRIDS. Moradi Hamid, Akbari Gholamali, خاوری خراسانی سعید, Ramshini Hossein (2012)., International Journal of Recent Scientific Research, 3(6), 518-529.

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**72.** study of heridity stil. غلامرضا چلویی, Ramshini Hossein, Bihamta Mohammadreza, محمدی عبداله, گودرز نجفیان (2012)., Plant Research (Biology), 19(1), -.

**73.** Genetic analysis of yield and agronomic traits under normal and drought stress condition. شیرکوند زهرا, Ebrahimi Mohsen, Bihamta Mohammadreza, نجفیان گودرز, Ramshini Hossein (2012)., Iranian Journal of Field Crop Science, 43(1), 61.

**74.** genetic study of some traits in wheat using diallel cross under drought stress. Ramshini Hossein, Fazel Mahdi, Bihamta Mohammadreza (2012)., Journal of Cereal Research, 2(1), 1-15.

**75.** Seed germination as the major conservation issue of endemic Iranian salvia species. Jaafar Abdollahi, Ebrahimi Mohsen, Ramshini Hossein, Ali Ashraf Jafari, Mohammadali Sheykh Beygi Gohar Rizi, Mostafa Eftekhari, Yaser Siah Mansouri (2012)., Journal of Medicinal Plant Research, 6(1), 37-6.

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**77.** Study on Gene Expression of Barley in Response to Osmotic Stress Using Macroarray. Ramshini Hossein, Shah Nejat Boushahri Ali Akbar, Peyghambari Seyed Ali, Omidi Mansoor, پاتریک شوایزر (2010)., Iranian Journal of Field Crop Science, 41(1), 29-41.

**78.** The screening of tolerant barley seedling to osmotic stress. Ramshini Hossein, Peyghambari Seyed Ali, Shah Nejat Boushahri Ali Akbar, Omidi Mansoor, نیومن کرستین, شوایزر پاتریک (2010)., Iranian Field crops research, 7(2), 442-431.

**79.** Comparison of genetic diversity based on total and sharp bands of RAPD data in wheat. Ramshini Hossein, Naghavi Mohammad Reza, Alizadeh Houshang (2004)., Asian Journal of Plant Sciences, 4(2), 123-127.

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***Books***

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**2.** Genetic Mapping and Marker Assisted Selection Basics, Practice and Benefits. Mortazavian Seyed Mohammad Mahdi, Ramshini Hossein (2018).

***Conferences***

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**2.** Combining Ability Analysis of Saveh Cantaloupe F6 Lines Considering Fruit Related Traits. رمضانی نژاد محمد پارسا, Lotfi Mahmoud, Ramshini Hossein, تفریحی داریوش (2023)., 13th Iranian Horticultural Science Congress, 18-21 September, Gorgan, Iran.

**3.** Identification of Ideal Plants in the F3 Generation of Melon with Favorable Fruit Traits for the Development of Inbred Lines. توکلی هفشجانی مریم, Lotfi Mahmoud, Ramshini Hossein, تفریحی داریوش (2023)., 13th Iranian Horticultural Science Congress, 18-21 September, Gorgan, Iran.

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**6.** Screening pure tomato lines for resistance to TYLCV virus by artificial inoculation method. عباس آبادی رضا, Ramshini Hossein, Lotfi Mahmoud, منتظری راضیه (2023)., 5th International & 17th Iranian Genetics Congress, 6-8 March, Tehran, Iran.

**7.** Molecular and bioinformatics investigations to validate genes involved in anthocyanin biosynthesis in cumin. [] [], Mortazavian Seyed Mohammad Mahdi, Izadi Darbandi Ali, Ramshini Hossein (2023)., International conference on Biology of medicinal plants, 28 February-2 March, Qom, Iran.

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**10.** Evaluation of morphological and phytochemical of different basil lines (Ocimum bascilicum L.). افلاطونی حامد, Ebrahimi Mohsen, Ramshini Hossein, Akbari Gholamabas (2022)., 17th national and 3rd international congress of agronomy and plant breeding, 25-27 January, kerman, Iran.

**11.** Evaluation of fruit traits and virus resistance in F5 generation of melon. Ramshini Hossein, ابطحی سید حسن, Lotfi Mahmoud, تفریحی داریوش, amini fatemeh (2022)., 17th national and 3rd international congress of agronomy and plant breeding, 25-27 January, kerman, Iran.

**12.** Grouping of tolerance indices and response of melon genotypes to drought stress. آسترکی حسین, Ramshini Hossein, Lotfi Mahmoud, Aliniaeifard Sasan, Izadi Darbandi Ali, شریفی پیمان (2022)., 17th national and 3rd international congress of agronomy and plant breeding, 25-27 January, kerman, Iran.

**13.** Evaluation of cantaloup hybrids developed from crossing of F4 lines. Ramshini Hossein, Lotfi Mahmoud, علی اکبرزاده کبری (2021)., 12th Iranian Horticultural Science congress, 5-8 September.

**14.** Evaluation of F3 families derived from self-pollinating of Shahpasand cantaloup commercial hybrid. تفریحی داریوش, Lotfi Mahmoud, Ramshini Hossein (2021)., 12th Iranian Horticultural Science congress, 5-8 September.

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**HONORS and AWARDS**

**Breeding of melon for Fusarium resistance (race 1)** 2016, Tehran, Iran

**ACADEMIC POSITIONS**

**COURSES OFFERED**

**LABORATORIES**