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**EDUCATION**

**Ph.D In Plant Physiology**University of Tehran 1994-2000  
**M.Sc In Plant Sciences**University of Tehran 1989-1993  
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**PUBLICATIONS**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **2738** | **27** | **138** | **79** | **10** |
| Citations | h-Index | Article | Conference | Book |

***Articles***

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**2.** Penconazole and potassium upregulate antioxidant defense to conferring simulated drought tolerance in wheat plants. Satari Khavas Mona, rezayian maryam, Niknam Vahid, Mir Masoumi Masoud (2023)., CEREAL RESEARCH COMMUNICATIONS, 51(4), 1-14.  
  
**3.** Iron nanoparticle regulate succinate dehydrogenase activity in canola plants under drought stress. rezayian maryam, Niknam Vahid, Arabloo Maryam (2023)., Scientific Reports, 13(1), 1-14.  
  
**4.** Cerium and samarium blocked antioxidant enzymes in wheat plants. Kazemzaeh Haghighi Amirhossein, rezayian maryam, Niknam Vahid, Ganjali Mohammadreza, Mir Masoumi Masoud (2023)., Scientific Reports, 13(1), 1-10.  
  
**5.** Nitric oxide regulates spearmint (<i>Mentha spicata</i> L.) responses to phenolic acids: growth, phenolics, and antioxidant capacity. Azad Nikoo, Ebrahimzade Maboud Hasan, بهمنش مهرداد, Niknam Vahid (2023)., JOURNAL OF PLANT NUTRITION, 46(7), 1-15.  
  
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**9.** Production of phenylethanoid glycosides under PEG-induced osmotic stress in Scrophularia Striata Boiss. Cell culture in bioreactor. Ahmadisakha Khadijeh, Sharifi Mohsen, Niknam Vahid, Zali Hakimeh (2022)., INDUSTRIAL CROPS AND PRODUCTS, 181(1), 114843.  
  
**10.** The defense response in seedling roots of two wheat cultivars with contrasting resistance to Fusarium crown and root rot disease. Motallebi Parastoo, Niknam Vahid, Ebrahimzade Maboud Hasan (2022)., CEREAL RESEARCH COMMUNICATIONS, 50(3).  
  
**11.** Metabolic and Physiological Changes Induced by Nitric Oxide and Its Impact on Drought Tolerance in Soybean. Rezayian Maryam, Ebrahimzade Maboud Hasan, Niknam Vahid (2022)., JOURNAL OF PLANT GROWTH REGULATION, 41(4), 1-15.  
  
**12.** Central role of Methyl jasmonate in resistance of wheat against crown and root rot caused by Fusarium culmorum. پرستو مطلبی, Niknam Vahid, Ebrahimzade Maboud Hasan (2022)., PHYSIOLOGICAL AND MOLECULAR PLANT PATHOLOGY, 119(1), 101812.  
  
**13.** The regulatory role of γ-aminobutyric acid in chickpea plants depends on drought tolerance and water scarcity level. Seifi Kalhor Maryam, Niknam Vahid, Aliniaeifard Sasan, Didaran Fardad, Tsaniklidis Georgios, Fanourakis Dimitrios, Teymoorzadeh Mahsa, Mousavi Seyed Hasan, Bosacchi Massimo, Lii Tao (2022)., Scientific Reports, 12(1), 1-17.  
  
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**17.** The linkage between phenylethanoid glycosides biosynthetic pathway and some aromatic amino acids and carbohydrates (rhamnose and glucose) in Scrophularia striata Boiss. cell culture. Ahmadi Skha Sedigheh, Sharifi Mohsen, Niknam Vahid (2021)., PLANT CELL TISSUE AND ORGAN CULTURE, 146(3), 1-15.  
  
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**24.** Establishment and assessment of cell suspension cultures of Matricaria chamomilla as a possible source of apigenin under static magnetic field. Hassanpour Halimeh, Niknam Vahid (2020)., PLANT CELL TISSUE AND ORGAN CULTURE, 142(3), 1-13.  
  
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**28.** Nitric Oxide Stimulates Antioxidant System and Osmotic Adjustment in Soybean Under Drought Stress. Rezayian Maryam, Ebrahimzade Maboud Hasan, Niknam Vahid (2020)., Journal of Soil Science and Plant Nutrition, 20(3), 1-11.  
  
**29.** Comparative effects of nitric oxide and salicylic acid on salinity tolerance in saffron (Crocus sativus). Babaei Samareh, Niknam Vahid, بهمنش مهرداد (2020)., PLANT BIOSYSTEMS, 154(1), 1-10.  
  
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**35.** The influence of different CO2 concentrations on the biochemical and molecular response of two isolates of Dunaliella sp. (ABRIINW-CH2 and ABRIINW-SH33). Moghimifam Roya, Niknam Vahid, Ebrahimzade Maboud Hasan, Hejazi Mohammad Amin (2019)., JOURNAL OF APPLIED PHYCOLOGY, 32(1), 1-13.  
  
**36.** Application of sodium salicylate up-regulates defense responseagainst Fusarium graminearum in wheat spikes. Sorahi Nobar Mona, Niknam Vahid, Ebrahimzade Maboud Hasan, Moradi Babak, بهمنش مهرداد, Soltanloo Hassan (2019)., BIOLOGIA PLANTARUM, 63(1), 690-698.  
  
**37.** Oxidative damage and antioxidative system in algae. Rezayian Maryam, Niknam Vahid, Ebrahimzade Maboud Hasan (2019)., Toxicology Reports, 6(2), 1-5.  
  
**38.** Effects of static magnetic fields on seed germination and metabolism in two species of Almonds. فاطمه عبدالهی, امیری حمزه, Niknam Vahid, فائزه قناتی, Madigholi Kazem (2019)., Journal of Plant process and function, 8(30), 115-124.  
  
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**44.** Different effects of calcium and penconazole on primary and secondary metabolites of Brassica napus under drought. Rezayian Maryam, Niknam Vahid, Ebrahimzade Maboud Hasan (2019)., PHYSIOLOGY AND MOLECULAR BIOLOGY OF PLANTS, 25(2), 1-13.  
  
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**49.** Manganese-induced changes in glandular trichomes density and essential oils production of Mentha aquatica L. at different growth stages. Nazari Mehrdad, Zarinkamar Fatemeh, Mohammad Soltani Bahram, Niknam Vahid (2018)., JOURNAL OF TRACE ELEMENTS IN MEDICINE AND BIOLOGY, 50(1), 57-66.  
  
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**58.** Effects of static magnetic fields on phenolic compounds in two specious of Almond. فاطمه عبدالهی, سیدحمزه امیری, Niknam Vahid, فائزه قناتی, Madigholi Kazem (2018)., Journal of Plant process and function, 7(23), 1-11.  
  
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**HONORS and AWARDS**

**ACADEMIC POSITIONS**

**COURSES OFFERED**

**Advanced Plant Growth and Development  
  
Plant Biochemistry  
  
Plant Physiology 2  
  
Plant Metabolism  
  
Plant Physiology 3  
  
Plant Physiology 2  
  
Plant Metabolism  
  
Plant Physiology 1  
  
Plant Physiology 3  
  
Uptake and Transport in Plants  
  
Mineral Nutrition of Plants  
  
Plant Physiology 2  
  
Principles of Plant Physiology  
  
Plant Metabolism  
  
Plant Physiology 1  
  
Plant Physiology 3  
  
Uptake and Transport in Plants  
  
Plant Physiology 1  
  
Uptake and Transport in Plants  
  
Plant Physiology 2  
  
Principles of Plant Physiology  
  
Plant Physiology 1  
  
Uptake and Transport in Plants  
  
Principles of Plant Physiology  
  
Plant Physiology 2  
  
Uptake and Transport in Plants  
  
Plant Physiology 2  
  
Cell Physiology  
  
Plant Physiology 1  
  
Principles of Plant Physiology  
  
Uptake and Transport in Plants**

**LABORATORIES**