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**EDUCATION**

**Ph.D In Plant Physiology**University of Tehran 1994-2000
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**PUBLICATIONS**

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

***Articles***

**1.** Selenium and Nano-Selenium Diminish Salt Stress-Mediated Oxidative Damage in Narcissus tazetta by Up-Regulating Enzymatic and Non-Enzymatic Antioxidants. Sardari Mahsa, rezayian maryam, Niknam Vahid, [] [], سید منصور سیدنژاد (2024)., RUSSIAN JOURNAL OF PLANT PHYSIOLOGY, 70(9), 1-11.

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**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.

**6.** Antioxidative and Structural Responses of Melissa officinalis to Salt Stress. Hormozi Nasiri Maryam, Rezayian Maryam, Niknam Vahid, اخوت احمدرضا (2022)., RUSSIAN JOURNAL OF PLANT PHYSIOLOGY, 69(7).

**7.** Comparative Study for the Effect of Selenium and Nano-Selenium on Wheat Plants Grown under Drought Stress. Sardari Mahsa, Rezayian Maryam, Niknam Vahid (2022)., RUSSIAN JOURNAL OF PLANT PHYSIOLOGY, 69(6), 1-12.

**8.** Impact of Static Magnetic Field on the Callogenesis, Phytochemical Production and Antioxidant enzymes in Anthemis gilanica. Nasiri Minoo, Hassanpour Halimeh, مونا صراحی نوبر, Niknam Vahid (2022)., RUSSIAN JOURNAL OF PLANT PHYSIOLOGY, 69(1), 1-8.

**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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**15.** Study of hairy root formation and plant regeneration in Nicotiana tabaccum. Yektapour Neda, Rezayian Maryam, Niknam Vahid, Mir Masoumi Masoud (2022)., BIOLOGIA, 77(1), 1-9.

**16.** Removal of Phenanthrene by some microalga species and study of antioxidative compounds in Nostoc calcicola ISC 89. [] [], Niknam Vahid, Soltani Neda, Ebrahimzade Maboud Hasan, Shahavi Mohammad Hassan (2021)., JOURNAL OF SOILS AND SEDIMENTS, 21(9), 1-11.

**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.

**18.** Salicylic Acid, as a Positive Regulator of Isochorismate Synthase, Reduces the Negative Effect of Salt Stress on Pistacia vera L. by Increasing Photosynthetic Pigments and Inducing Antioxidant Activity. Jannesar Masoomeh, Seyedi Seyed Mahdi, Niknam Vahid, Ghadirzadeh Effat, Ebrahimzade Maboud Hasan (2021)., JOURNAL OF PLANT GROWTH REGULATION, 40(3), 1-12.

**19.** Physiological Mechanism of SalicylicAcid in Mentha pulegium L. under salinity and drought stress. Azad Nikoo, Rezayian Maryam, Hassanpour Halimeh, Niknam Vahid, Ebrahimzade Maboud Hasan (2021)., Brazilian Journal of Botany, 44(2), 1-11.

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**23.** Effects of penconazole on hormonal crosstalk and fatty acids from salt-stressed safflower. Shaki Fatemeh, Ebrahimzade Maboud Hasan, Niknam Vahid (2020)., Iranian Journal of Plant Physiology, 10(3).

**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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**26.** CO2 biofixation and fatty acid composition of two indigenous Dunaliella sp. isolates (ABRIINW-CH2 and ABRIINW-SH33) in response to extremely high CO2 levels. Moghimifam Roya, Niknam Vahid, Ebrahimzade Maboud Hasan, Hejazi Mohammad Amin (2020)., BIOPROCESS AND BIOSYSTEMS ENGINEERING, 43(7), 1-11.

**27.** A genome-wide identification, characterization and functional analysis of salt-related long non-coding RNAs in non-model plant Pistacia vera L. using transcriptome high throughput sequencing. Jannesar Masoomeh, Seyedi Seyed Mahdi, مریم معظم جزی, Niknam Vahid, Ebrahimzade Maboud Hasan, Botanga Christopher (2020)., Scientific Reports, 10(1), 1-23.

**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.

**30.** Differential proteomics: Effect of growth regulators on salt stress responses in safflower seedlings. Shaki Fatemeh, Ebrahimzade Maboud Hasan, Niknam Vahid (2020)., PESTICIDE BIOCHEMISTRY AND PHYSIOLOGY, 164(March), 149-155.

**31.** Sinusoidal vibration alleviates salt stress by induction of antioxidative enzymes and anatomical changes in Mentha pulegium (L.). Ghalkhani Efat, حلیمه حسن پور, Niknam Vahid (2020)., ACTA PHYSIOLOGIAE PLANTARUM, 42(3).

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**33.** Penconazole and calcium ameliorate drought stress in canola by upregulating the antioxidative enzymes. Rezayian Maryam, Niknam Vahid, Ebrahimzade Maboud Hasan (2020)., FUNCTIONAL PLANT BIOLOGY, 47(8), 1-15.

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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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**45.** Diverse role of γ-aminobutyric acid in dynamic plant cell responses. Seifikalhor Maryam, Aliniaeifard Sasan, Hassani Batool, Niknam Vahid, Lastochkina Oksana (2019)., PLANT CELL REPORTS, 2019(1), 1–21.

**46.** Age-dependent responses in cellular mechanisms and essential oil production in sweet Ferula assafoetida under prolonged drought stress. Mohamadi Shahla, Ebrahimzade Maboud Hasan, Niknam Vahid, Zahed Zahra (2019)., Journal of Plant Interactions, 14(1), 324-333.

**47.** Improving Salt Tolerance in Safflower Plants through Exogenous Application of Penconazole. Shaki Fatemeh, Ebrahimzade Maboud Hasan, Niknam Vahid (2019)., Agronomy Journal, 111(1), 397.

**48.** Effects of Static Magnetic Fields on the Antioxidant System of Almond Seeds. عبداللهی فاطمه, امیری حمزه, Niknam Vahid, فائزه قناتی, Madigholi Kazem (2018)., RUSSIAN JOURNAL OF PLANT PHYSIOLOGY, 66(111), 1-9.

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**51.** COP1 plays a prominent role in drought stress tolerance in Arabidopsis and Pea. مریم معظم جزی, Ghasemi Samaneh, Seyedi Seyed Mahdi, Niknam Vahid (2018)., PLANT PHYSIOLOGY AND BIOCHEMISTRY, 130(1), 678-691.

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**61.** Changes in primary and secondary metabolites of Mentha aquatica L. exposed to different concentrations of manganese. Nazari Mehrdad, Zarinkamar Fatemeh, Niknam Vahid (2017)., Environmental Science and Pollution Research, 25(8), 7575-7588.

**62.** A Multivariate Analysis of the Composition and Properties of Extra Virgin Olive Oils Produced from Different Cultivars Grown in Iran. Shirzad Habib, Niknam Vahid, Taheri Mehdi, Ebrahimzade Maboud Hasan (2017)., JOURNAL OF AOAC INTERNATIONAL, 100(6), 1804-1813.

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**93.** Effect of lead treatment on medicarpin accumulation and on the gene expression of key enzymes involved in medicarpin biosynthesis in Medicago sativa L. Ghelich Sima, Zarinkamar Fatemeh, Mohammad Soltani Bahram, Niknam Vahid (2014)., Environmental Science and Pollution Research, 21(23), 8-1.

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**HONORS and AWARDS**

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**COURSES OFFERED**

**Advanced Plant Growth and Development

Plant Biochemistry

Plant Physiology 2

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