



## Nosratollah Najafi

Professor

College: Agriculture

### Education

Degree	Graduated in	Major	University
BSc	1996	Soil Science	University of Tabriz
MSc	1999	Soil Science-Soil Chemistry and Fertility	University of Tehran
Ph.D	2006	Soil Chemistry and Fertility□Plant Nutrition	University of Tehran

### Employment Information

Faculty/Department	Position/Rank	Employment Type	Cooperation Type	Grade
University of Tabriz	Professor	Tenured	Full Time	

### Papers in Conferences

1. Kashi S.M., Alizadeh Ajirlo S. and Najafi N. The effect of irrigation with treated sewage effluent on growth indices of several ground cover plants. The Fourth National Conference on Deficit Irrigation and the Use of Non-conventional Water for Agriculture in Dry Regions "New Technologies Approach in Wastewater Treatment. ۲۰۲۳.
2. Mahmoudi H., Aliasgharzad N., Sarikhani M.R., Najafi N., and Khoshru B. Inoculation of *Glomus versiforme* in clover and evaluation some of colonization indices in different substrates. ۱۷th Iranian Soil Science Congress. ۲۰۲۱.
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6. Sehatmand R., Sarikhani M.R., Najafi N. Effects of some plant growth promoting rhizobacteria on

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  8. Azimzadeh Y., Najafi N., Amirloo B., Abdolmaleki E. Investigating the properties of the biochars produced from different organic materials.16th Iranian Soil Science Congress.2019.
  9. Azimzadeh Y., Najafi N., Abdolmaleki E., Amirloo B. Investigating the properties of liquid and solid fractions of hydrochars produced from different organic materials.16th Iranian Soil Science Congress.2019.
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  11. Geiklooi A., Reyhanitabar A., Najafi N., Homei H. Determination of norms and diagnosis of nutrient unbalance at wheat plants by compositional nutrient diagnosis (CND) (Case study of the Moghan region).16th Iranian Soil Science Congress.2019.
  12. Sadeghi saadatlou F., Reyhanitabar A., Najafi N., Bybordi A. The effects of different sources of nitrogen and iron on some maize characteristics in greenhouse conditions.16th Iranian Soil Science Congress.2019.
  13. Shabani E., Bolandnazar S., Tabatabaei S.J., Najafi N., Alizadeh Salteh S. Shabani E., Bolandnazar S., Tabatabaei S.J., Najafi N., Alizadeh Salteh S. First International Conference & 10th National Horticultural Science Congress of Iran (IrHC2019).2019.
  14. Najafi N., Mahmoudi S., Neyhabouri M., Reyhanitabar A. Effect of soil moisture and sewage sludge compost on alfalfa forage fresh weight and heavy metals concentrations in greenhouse conditions. Second National Conference on Sustainable Management of Soil and Environment Resources.2016.
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63. Aliasgharzad N., Pakdelfard F., Najafi N ,Efficiency of native heterocystous cyanobacterial isolates for supplying nitrogen and improving rice plant growth. P. 174 ,In: Proceedings of 9th International Congress of Environmental Research ,8-10 February.
64. Aliasgharzad N., Pakdelfard F., Najafi N ,Efficiency of native heterocystous cyanobacterial isolates for supplying nitrogen and improving rice plant growth ,Proceedings of 9th International Congress of Environmental Research ,8-10 February 2018, Amity University Madhya Pradesh, Gwalior, India..
65. Mardomi S., Najafi N., Reyhanitabar A., Dehghan G ,Increasing antioxidant enzymes activity in rice through phosphorus and zinc fertilization in a Pb-spiked soil ,7th International Congress of Biology ,30-31 August – 1 September.
66. Kazemalilou S., Najafi N., Reyhanitabar A., Gafari M., Lotfollahi A ,Improving tolerance of oil sunflower (*Helianthus annuus* L.) to water deficit stress by phosphorus and sewage sludge application ,7th International Congress of Biology ,30-31 August – 1 September.
67. Kazemalilou S., Najafi N., Reyhanitabar A., Ghaffari M ,Improving the grain yield of oil sunflower (*Helianthus annuus* L.) and water use efficiency under water deficit conditions by integrated application of triple superphosphate and sewage sludge ,Second International Iranian Crop Science Congress ,30-31 August – 1 September.
68. Kazemalilou S., Najafi N., Reyhanitabar A ,Reducing the percentage of unfilled seeds and increasing the dehulled kernel: hull ratio of oil sunflower (*Helianthus annuus* L.) by integrated application of triple superphosphate and sewage sludge under water deficit stress conditions ,Second International Iranian Crop Science Congress ,30-31 August – 1 September.
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71. Movahedpour F., Dabbagh Mohammadi Nassab A., Najafi N., Amini R., Mohammadi E ,Evaluation of some morphological traits of oilseed rape (*Brassica napus* L.) under copper phytoremediation with application of humic acid and EDTA ,Second International Iranian Crop Science Congress ,30-31 August – 1 September.
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- the dehulled kernel: hull ratio of oil sunflower (*Helianthus annuus* L.) by integrated application of triple superphosphate and sewage sludge under water deficit stress conditions ,Second International Iranian Crop Science Congress ,30 August–1 September 2016, University of Guilan, Rasht, Iran..
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## Thesis

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1. Effects of biochar on zinc kinetic and equilibrium reactions in two acidic and alkaline soils , Massoume Faryadi
2. Interactive effects of nitrogen and zinc on the uptake of some elements and growth of rice under continuous waterlogging and alternate waterloggin . Maryam Agamirzae
3. Interactive effects of nitrogen and zinc on the uptake of some elements and growth of rice in saline and non-saline conditions , Morvat Moradpour
4. Effects of Organic Fertilizer and Potassium on Kinetics of Extractable Phosphorus and Potassium Changes under Waterlogged and Non-waterlogged Conditions . Nazanin Ebrahimi
5. Application of compositional nutrient diagnosis (CND) method to assess wheat nutrition status and comparison with the DRIS and DOP methods and validation of obtained norms (Case study: Moghan Agro Industrial Company) . Abolfazl Gigloe
6. Effect of integrated application of phosphorus and sewage sludge on quantitative and qualitative characteristics of oil sunflower (*Helianthus annuus L.*) under optimum and limited irrigation conditions . Solmaz Kazemalilo
7. characteristics of oil sunflower (*Helianthus annuus L.*) under optimum and limited irrigation conditions . Hemayat Asgari Lajayer
8. Effects of vermicompost, nitrogen, sulfur and manganese on the yield and some quality indices of cucumber under greenhouse conditions , Hakimeh Hajilouei
9. Synthesis of biochar/hydrochar-based layered double hydroxide composites for sorption of phosphate and nitrate and the feasibility of their using as slow-release fertilizer . Yaser Azimzadeh
10. Effects of Summer Savory (*Satureja hortensis L.*) cultivation and sewage sludge application on bioavailability and desorption kinetics of Zn, Pb and Cd in contaminated soils using DGT method , Amir Mohseni
11. Effect of sewage sludge-derived hydrochar and nitrogen on the growth and nutrition of rice in a Cu-spiked soil , Elnaz Abdolmaleki
12. Poultry manure hydrochar and salinity effects on the growth and nutrition of rice in a Cu-spiked soil , Behnaz Amirlo
13. Interactive effects of municipal solid waste compost, nitrogen and zinc on the uptake of some elements and growth of rice . Navideh Bayani
14. Effects of urea-hydroxyapatite nanohybrid and urea coated zeolite, biochar and hydrochar on the rice growth and nitrogen use efficiency in a calcareous soil , Mohammad Reza Maqsoodi
15. Morphologic and Physiologic responses of some promising Iranian tea clones to aluminum and fluoride . Ahmad Shirinfekr
16. Effects of municipal solid waste compost-derived hydrochar and *Enterobacter cloacae* and *Pseudomonas sp.* bacteria on the nutrition and growth of canola in a nickel spiked calcareous soil . Parisa Ghaem

17. Effects of urea and rice straw hydrochar on nutrients uptake and growth of rapeseed plant in a nickel spiked calcareous soil . Afsaneh Habibzadeh
18. Effects of gypsum, cocopeat and sodium chloride salinity on sorghum growth and nutrition in hydroponics culture . Sajad Elmi
19. Effects of rice husk-derived hydrochar and ammonium source of nutrient solution on nutrition and growth characteristics of spinach in hydroponic culture . Zahra Ershadi
20. Morphologic and physiologic responses of some promising Iranian tea clones to aluminum and fluoride . Ahmad Shirinfekr
21. Effects of rice straw hydrochar and foliar spray of salicylic acid on nutrition and growth of quinoa under saline and non-saline conditions in a hydroponic culture . Fatemeh Adeli
22. Effects of rice straw and sewage sludge hydrochars on chemical fractions of lead and nutrition and growth of rice plant in a Pb-spiked soil . Masumeh Mahdizadeh
23. Effects of mixed culture and phosphorus fertilizer on inorganic P fractions, P use efficiency, growth and nutrition of wheat, Lathyrus, and vetch in saline and non-saline conditions . Maryam Alizadeh
24. Determination of organic and inorganic phosphorus and their relations with P uptake and growth of corn in some calcareous soils of East Azerbaijan province . Nasim Heidari
25. Effects of waterlogging and organic fertilizers on the chemical properties of soil, growth and nutrition of sunflower . Sanye Mardomi
26. Effects of NaCl salinity and waterlogging on the chemical properties of soil, growth and nutrition of corn . Elmira Sarhangzadeh
27. Effect of two arbuscular mycorrhizal fungi species on lead uptake and translocation in alfalfa and sorghum . Setareh Amanifar
28. Evaluation of nutrients uptake and changes in grain quality of bread wheat genotypes in response to water deficit . Mohammad Rezaei
29. Effect of intercropping and animal manure on the nutrition, growth and yield of corn, bean and bitter vetch . Mahdi Mostafaei
30. Effects of soil moisture conditions and organic and chemical fertilizers on growth and nutrition of rice plant . Masoume Abbasi
31. Effect of Silicon and Salinity on the Growth, Chemical Composition and Some Physiological Properties of Wheat and Rice in a Sandy Loam Soil . Jahanshah Saleh
32. Effect of layered double hydroxides (LDHs) application on nitrate leaching and nitrogen uptake by maize . Akram Halajnia
33. Integrated effect of organic fertilizers and nitrogen on nutrition, growth and yield of wheat (*Triticum aestivum* cv. Alvand) . Rashed Ahmadinezhad
34. Effect of urea on nutrient availability, growth and chemical composition of wheat and rice plants under different conditions in loamy sand and clay loam soils . Negar Irani
35. Effects of pH and nitrate to ammonium of nutrient solution on the growth and chemical composition of spinach . Mansur Parsazadeh
36. Effect of cow manure, nitrogen and sulfur on the growth and nutrition of sorghum . Ayoub Shamsdanesh
37. Effects of soil moisture levels, zinc and phosphorus on the chemical composition and growth of potato . Rahim Motalebifard
38. Kinetics of Cr(IV) reduction and efficiency of different reductants in removal of Cr(IV) from contaminated soils . Mahdiah Khorshid Shabestari
39. The Interaction Effects of Zinc and Cadmium on Some Growth Characteristics, Enzyme Activity and Upper Critical Levels of Corn and Canola . Sirius Sadeghi
40. Integrated effects of phosphorus and zinc on some antioxidant enzymes and elements uptake of rice in a Pb-spiked clay loam soil . Sanye Mardomi
41. Effects of soil moisture levels and sewage sludge on the elemental composition and growth of alfalfa . Shahab Mahmoudi

42. Effects of soil moisture and phosphorus levels on the elemental composition and growth of alfalfa inoculated with *Sinorhizobium meliloti* , Shakeh Markarian
43. Effects of organic fertilizers and soil compaction on the nutrition and growth of corn and wheat , Arash Mohamadnezhad
44. Integrated effects of soil compaction and nitrogen fertilizers on the nutrition and growth of corn and wheat , Fatemeh Jalilian
45. Integrated effects of nitrogen and organic fertilizers on Farinograph characteristics of wheat flour dough , Javad Kazemnezhad