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#### **EDUCATION:**

B.Sc.: 1987-1991

Agronomy and plant breeding, Ferdowsi University of Mashhad, Mashhad, Iran.

M.Sc.: 1992-1994.

Agronomy, Isfahan University of Technology,

Thesis title: The effect of irrigation regimes and topdress nitrogen rates on yield and yield components of pinto beans (experimental line 11816).

P.h.D. 2004-2009

Agronomy, Gorgan University of Agricultural Sciences and Natural Resources

Thesis title: Nitrogen nutrition of wheat in Gorgan; Agricultural, physiological and environmental aspects

#### **RESEARCH INTEREST:**

Crop nutrition, conservation agriculture, crop production management

## PUBLICATION:

### Research articles:

Monajjem, S., E. Soltani, E. Zainali, M. Esfahani, F. Ghaderi-Far, M. H. Chaleshtori, A.Rezaei. 2023. Seed Priming Improves Enzymatic and Biochemical Performances of Rice During Seed Germination under Low and High Temperatures. Rice Science. Accepted

Fayazi, H., E. Zeinali, A. Soltani, B. Torabi. 2022. The Effect of Climate Change on Yield Potential and Water Productivity of Forage Maize in Iran. Journal of Crops Improvement 24 (4), 1247-1263.

Fayazi, H., E. Zeinali, A. Soltani, B. Torabi. 2022. Estimating the Potential and Yield Gap of Forage Maize in Iran based on Global Yield Gap Atlas Protocol. Iranian Journal of Field Crop Science 53 (3)

Dadrasi, A., B. Torabi, A. Rahimi, A. Soltani, E. Zeinali. 2022. Modeling Potential production and yield gap of potato using modelling and GIS approaches. Ecological Modelling 471, 110050.

Alasti, O. E. Zeinali, A. Soltani, B. Torabi. 2022. Exploring the current status of barley yield and production gap of Iran. European Journal of Agronomy 139, 126547

Pourshirazi, S., A Soltani, E Zeinali, B Torabi, A Arshad. 2022. Assessing the sensitivity of alfalfa yield potential to climate impact under future scenarios in Iran. Environmental Science and Pollution Research 29 (40), 61093-61106

Mohammadi, S., E. Zeinali, A. Soltani, B. Torabi. 2022. Parameterization and evaluation of SSM\_iCrop2 model to simulate the growth and yield of bean (*Phaseolus vulgaris* L.) in Iran. Iranian Journal Pulses Research 13 (1), 37-54.

Rahban, S., B. Torabi, A. Soltani, E. Zeinali. 2022. Determining Yield Gap and Potential for Improved Production of Irrigated Canola in Iran. Journal of Crops Improvement 24 (2), 393-406

Keramat, S., B. Torabi, A. Soltani, E. Zeinali. 2021. Evaluation of rice production potential and yield gap in Iran using SSM-iCrop2 model. Cereal Research 11 (3), 175-191

- Gorzin, M., F. Ghaderi-Far, H.R. Sadeghipour, E. Zeinali. 2021. Induced Thermo-dormancy in Rapeseed (*Brassica napus* L.) Cultivars by Sub- and Supra-optimal Temperatures. *Journal of Plant Growth Regulation* 40, 2164-2177
- Gorzin, M., F. Ghaderi-Far, H.R. Sadeghipour, E. Zeinali. 2021. Effect of Temperature and Light Regimes on Germination Behavior of Rapeseed (*Brassica napus*) Cultivars. *Iranian Journal of Seed Research* 8 (1), 37-53.
- Shahkoomahali, H., S. Galeshi, A. Soltani, E. Zeinali. 2021. Investigating the effects of flooding stress in different developmental stages on the content of antioxidant enzymes, photosynthetic pigments and grain yield of wheat. *Journal of Crop Production* 14 (2), 1-16.
- Alasti, O. E. Zeinali, A. Soltani, B. Torabi. 2021. . Estimating the Potential Increase of Irrigated Barley Production over Iran via Closure of Yield Gap Based on GYGA Protocol. *Agricultural Ecology*. 13 (2): 325-344.
- Rezvantalab, N., A. Soltani, E. Zeinali, S. Dastan, A. Foroughnia. 2021. Investigation the energy indices and greenhouse gases emission in soybean production, Golestan Province. *Environmental Sciences* 19(2), 241-268.
- Arabameri, R., A. Soltani, E. Zeinali, B. Torabi. 2021. The amount and How to distribute of chickpea and lentil yield gap in Iran. *Journal of Crops Improvement* 23(2), 221-234.
- Moenirad, A., E. Zeinali, S. Galeshi, A. Soltani, F. Eganepour. 2021. Investigation of fluorescence chlorophyll sensitivity, chlorophyll index, rate of Chlorophyll (a, b), nitrogen concentration and nitrogen nutrition index under under nitrogen and phosphorus nutrition in wheat. *Journal of Crop Production* 14(1), 1-18.
- Rahban, S., T. Torabi, A. Soltani, E. Zeinali. 2021. Using SSM-iCrop Model to Predict Phenology, Yield, and Water Productivity of Canola (*Brassica napus* L.) in Iran Condition. *Journal of Agroecology* 13(1), 157-177.
- Bandak, S., S.A.R.M. Naeini, E. Zeinali, I. 2021. Effects of superabsorbent polymer A200 on soil characteristics and rainfed winter wheat growth (*Triticum aestivum* L.). *Arabian Journal of Geosciences* 14,1-10.
- Kamari, H., E. Zeinali, A. Soltani, F. Ghaderi-Far. 2021. Parameterization and Evaluation of the SSM-iCrop2 Model for predict the cotton growth and yield in Iran. *Iranian Journal of Cotton Researches* 8(2), 49-72.
- Iri, S., A. Siahmarguee, E. Zeinali, A. Soltani, 2021. Effects of different winter cover crops and their residues on weed control and cotton (*Gossypium hirsutum*) yield (Golestan cultivar). *Iranian Journal of Cotton Researches* 8(2), 163-180.

Kamari, H., E. Zeinali, A. Soltani, F. Ghaderi Far. 2021. An assessment of LARS-WG's model to forecast meteorological parameters for climatic zones of cotton-harvested areas over Iran. *Crop Production* 13(4), 27-40.

Ghaderifar, F., S. Kheirkaman, E. Zeinali, S.E. Razavi, M. Gorzin. 2021. Changes in seed quality and durability of fungicides protective effect during storage period of maize seeds. *Iranian Journal of Seed Science and Technology* 9(4), 41-55.

Dadrasi, A., B. Torabi, A. Rahimi, A. Soltani, E. Zeinali. 2021. Determination of Potato (*Solanum tuberosum* L.) Yield Gap in Golestan Province. *Journal of Agroecology* 12(4), 613- 633.

Khajenabi, K., A. Siahmargue, M.R. Dadashi, P. Alizzadeh Dehkordi, E. Zeinali. 2021. Effect of Type and Planting Date of Cover Crops on Weed Population Structure, Morphological Characteristics and Seed Yield of Sunflower (*Helianthus annus* L.). *Journal of Agroecology* 12(4), 741-761.

Salmani, F., A. Soltani, E. Zeinali, H. Shakohmahali. 2021. Modeling Transplanting Effect on Yield and Water Use of Cotton in Gorgan Conditions. *Journal of Crop Improvement* 23(1), 15-26.

Abidi, A., E. Zeinali, A. Soltani, A. Gharanjiki. 2020. Variation in efficiency of nitrogen, phosphorus and potassium in some crop and weeds of Gramineae family. *Iranian Journal of Field Crop Science* 51(4), 163-173.

Torabi, B., N. Ebrahimi, A. Soltani, E. Zeinali. 2020. Parameterization and evaluation of SSM iCrop Model for prediction of growth and development of faba bean in climatic conditions of Gorgan. *Journal of Crops Improvement* 22(4), 531-542.

Dadrasi, A., B. Torabi, A. Rahimi, A. Soltani, E. Zeinali. 2020. Parameterization and evaluation of a simple simulation model (SSM-iCrop2) for potato (*Solanum tuberosum* L.) growth and yield in Iran. *Potato Research* 63, 545-563.

Alasti, O., E. Zeinali, A. Soltani, B. Torabi. 2020. Estimation of Yield Gap and the Potential of Rainfed Barley Production Increase in Iran. *Crop Production*. 13(3), 41- 60.

Alimagham, S.O.M., A., Soltani, V. Vadez, E. Zeinali, E. Zand. 2020. Irrigated Wheat (*Triticum aestivum* L.) Traits Effects on Potential Yield under Current and Future Climates in Iran. *Journal of Agroecology* 12(3), 413- 431.

Rabbani, R., F. Ghaderi-Far, E. Zeinali, A. Soltani. 2020. Effect of row spacing and nutrient consumption on some morphological, physiological and agronomic responses of three cotton cultivars. *Journal of Crops Improvement* 22(3), 345-359.

Mali, M., E. Zeinali, A. Soltani, G. Gorbani Nasrabad. 2020. Investigation of cotton morphological traits, water use efficiency and yield as influenced by different tillage systems and wheat residue managements. *Iranian Journal of Cotton Researches* 8(1), 47-66.

Shahkoomahali, H., S. Galeshi, A. Soltani, E. Zeinali. 2020. Effects of flooding stress in two tillering and stem elongation stages on grain yield and its components in wheat (*Triticum aestivum* L.). *Journal of Crop Production* 13 (2), 1-16.

Soltani, A., S.M. Alimagham, A. Nehbandani, B. Torabi, E. Zeinali, S. Ghassemi, V. Vadez, T.R. Sinclair, M.K. van Ittersum. 2020. Modeling plant production at country level as affected by availability and productivity of land and water. *Agricultural Systems* 183, 102859.

Rezapoorian, F., S. Galeshi, E. Zeinali, B. Torabi. 2020. The effect of inoculation with Growth Promoting Bacteria, Mycorrhiza and Phosphorus on yield and yield components of Mungbean (*Vigna radiata* L.). *Iranian Journal Pulses Research* 11 (1), 134-151.

Soltani, A., S.M. Alimagham, A. Nehbandani, B. Torabi, E. Zeinali, A. Dadrasi, E. Zand, S. Ghassemi, S. Pourshirazi, O. Alasti, R.S. Hosseini. 2020. SSM-iCrop2: A simple model for diverse crop species over large areas. *Agricultural Systems* 182, 102855.

Torabi, B., A. Soltani, S. Galeshi, E. Zeinali. 2020. Yield Gap Analysis: quantifying the gap between actual yield and potential yields of wheat in Gorgan. *Journal of Crop Production* 13 (1), 1-24.

Aghpour, M., A. Siyahmarguei, E. Zeinali, J. Gherekhloo, H. Kazemi. 2020. Investigating the efficiency of different cover crops and their elimination methods on weed populations and yield of maize forage (single-cross 444 variety). *Journal of Crop Production* 13 (1), 31-50.

Soltani, A., S.M. Alimagham, A. Nehbandani, B. Torabi, E. Zeinali, E. Zand, V. Vadez, M.P. Van Loon, M.K. Van Ittersum. 2020. Future food self-sufficiency in Iran: A model-based analysis. *Global Food Security* 24, 100351

Panahi, M.H., A. Soltani, E. Zeynali, M. Kalateh Arabi. 2020. Estimation of phenological parameters in SSM-Wheat model for bread wheat (*Triticum aestivum* L.) genotypes in Golestan province of Iran. *Iranian Journal of Crop Sciences* 21 (4), 302-314.

Mohammadi, H., F. Ghaderi-Far, E. Zeinali, J. Gherekhloo. 2020. Comparison of physical properties in weed-rye (*Secale Cereale* L.) And winter wheat (Alvand Cultivar) seeds in golestan province. *Iranian plant protection research* 34(4), 445- 456.

Bandak, S., S.A. Movahedi, E. Zienli. 2020. The Effect of Superabsorbent 200A and Potassium Fertilizer on Wheat Yield and Components a Loess Soil. *Journal of water and soil conservation* 27 (1), 237- 244.

Hasani, S., S. Galeshi, E. Zeinali, B. Torabi, M. Khadempir. 2019. Evaluation of tolerance and resistance to flooding stress in different soybean varieties. *Environmental Stresses in Crop Sciences* 12 (4), 1323-1313.

Zahed, M., A. Soltani, E. Zeinali, B. Torabi, E. Zand, S.M. Alimagham. 2019. Modeling of irrigated wheat yield potential and gap in Iran. *Crop Production* 12(3), 35-52.

Zardari, S., F. Ghaderi-far, H.R. Sadeghipour, E. Zeinali, E. Soltani. 2019. Impacts of smoke treatments on germination of cold-stratified seeds in medicinal-rangeland plant *Ferula ovina* Boiss.(Apiaceae). *Journal of Iranian Plant Ecophysiological Research* 14 (55), 79-94.

Rezaee, B., A. Ghasemnezhad, E. Zeinali. 2019. A Study on the effect of moist-chilling and GA3 application on evening primrose (*Oenothera biennis* L.) seed germination. *Iranian Journal of Plant Physiology* 9 (4), 2931-2941.

Zardari, S., F. Ghaderi-Far, H.R. Sadeghipour, E. Zeinali, E. Soltani, C.C. Baskin. 2019. Deep and intermediate complex morphophysiological dormancy in seeds of *Ferula gummosa* (Apiaceae). *Plant Species Biology* 34(3), 85-94.

Jafaraghaei, M., E. Zeinali, A. Soltani, S. Galeshi. 2019. The decrease of salinity effect of irrigated water by foliar application of K<sub>2</sub>SO<sub>4</sub> in cotton (*Gossypium hirsutum* L.). *Journal of Crop Production* 12 (1), 17-32.

Abidi, A., E. Zeinali, A. Soltani, A. Gharangiki. 2019. Variations in phosphorus concentration, accumulation and partitioning in some of crop and weed species of Poaceae family. *Journal of Plant Production Research* 26 (1), 45-59.

Rezvantalab, N., A. Soltani, E. Zeinali, A. Foroughnia. 2019. Study of energy indicators and greenhouse gas emissions in wheat production in Golestan province. *Journal of Agroecology* 9(1), 17-38.

Khosravian, T., E. Zeinali, A. Siahmarguee, R.G. Nasrabadi, S.M. Aalimagham. 2019. Effect of P fertilizer rate and inoculation with *Streptomyces* sp. on phosphorus uptake and partitioning at stem elongation and anthesis growth stages of wheat and barley. *Iranian Journal of Field Crop Science* 50 (1), 1-13.

Moeinirad, M., E. Zeinali, A. Soltani, S. Galeshi. 2019. Study of nitrogen nutrition index, seedling index, concentration nitrogen and wheat yield in different nutritional regimens. *Plant Ecophysiology (Arsanjan Branch)* 11 (37), 163-177.

Movahedi Naeni, S.A., F. Salari, Hoseini, M., E. Zeinali. 2019. The effects of a surfactants and potassium fertilizer on soybean (DPX cultivar) yield components with water tension. *Crop Production*. 12 (2), 17-32.

Khojamli, R., A. Siahmargue, E. zeinali, A. Soltani. 2019. Effect of Different Winter Cover Crops on the Dynamics of Weed Populations and Corn Growth (*Zea mays* L.) (Single 704). *Journal of Agroecology* 11 (2), 635- 654.

Khosravian, T., E. Zeinali, A. Siahmarguee, R. Ghorbani NasrAbadi, S.M. Alimagham. 2018. Potassium Concentration and Partitioning in Important Growth Stages of Wheat and Barley Influenced by Phosphorus Fertilizer and *Streptomyces*. *Journal of Agricultural Science and Sustainable Production* 28 (4), 141-161.

Hajjarpoor, A., A. Soltani, E. Zeinali, H. Kashiri. H. Ayine Band, M. Nazeri. 2018. Comparison of two methods for fitting boundary line in yield gap analysis: Case study of rainfed wheat in Golestan province. *Journal of Crop Production* 11 (2), 19-33.

Rastegar, Z., F. Ghaderi-Far, H. Sadeghipour, E. Zeinali. 2018. The effect of sowing date on peanut seed vigor and yield. *Journal of Plant Ecophysiology* 10 (33), 106-116.

Hajjarpoor, A., A. Soltani, E. Zeinali, H. Kashiri, A. Aynehband, V. Vadez. 2018. Using boundary line analysis to assess the on-farm crop yield gap of wheat. *Field Crops Research* 225, 64-73.

Khadempir, M., M.K. Eslami., E. Zeinali, A. Soltani. 2018. The relationship between leaf area and vegetative characteristics in Barecat and French faba bean cultivars. *Iranian Journal of Pulses Research* 9(2), 66- 80.

Ebrahimi, N., B. Torabi, A. Soltani, E. Zenali. 2018. Prediction of dry matter production and leaf area index in faba bean under different planting dates and densities. *Journal of Crops Improvement* 20 (1), 283-298.

Azizzadeh, E., S.A.R. Movahedi Naeni, E. Zeinali, G.A. Roshani. 2018. Effects of Foliar Application of Leonardite, Nitrogen, and Potassium on Root Growth, Nutrient Uptake and Yield of Wheat. *Iranian Journal of Soil Research* 32 (1), 1-11.

Zarei, H., E. Zeinali, M. Babarabi. 2018. Investigation the capability of native herbaceous species of Gorgan as the ground covers. *Journal of Plant Ecophysiology* 10 (32), 215-224.

Abidi, A., E. Zeinali, A. Soltani, A. Gharanjiki. 2018. Phosphorus concentration, accumulation, and allocation in stem elongation and anthesis growth stages in some crop and weed species of Gramineae. *Journal of Iranian Plant Ecophysiological Research* 12 (48), 35-51.

Ravan, M.S., S. Galeshi, E. Zeinali, R. Mohammadi, A. Rahemi Karizaki, Z. Izadi. 2018. Quantification of growth and development of wheat cultivars under different photoperiod conditions in Gonbad-e-Kavous area. *Applied Research of Plant Ecophysiology* 4 (2), 101-122.

Shokrgozar, D.M., A. Soltani, E. Zeinali. 2018. Study of cotton yield gap with boundary-line analysis in the Aq-Qala and Ali Abad Katul cities in the Golestan province, Iran. *Electronic Journal of Crop Production* 11 (3), 15-28.

Shokrgozar, D.M., A. Soltani, E. Zeinali. 2018. Study of ecological sustainability and analysis factors affecting of cotton cultivation in the North of Golestan province, Iran. *Plant ecophysiology (arsanjan branch)* 10 (33), 149-155.

Bandak, S., S.A. Movahedi Naeini, E. zeinali. 2018. Some soil physical properties and wheat root growth influenced by superabsorbent 200A polymer. *Electronic journal of soil management and sustainable production* 8 (2), 101-116.

Mounian Ardestani, M., F. Ghaderi-Far, E. Zeinali, M.H. Ghorbani, M. Gorzin. 2018. The effect of row spacing on plant architecture, yield and seed quality of cotton (*Gossypium hirsutum* L.). *Iranian Journal of Field Crops Research* 16 (2), 435- 446.

Nehbandani, A., A. Soltani, E Zeinali, F. Hoseini, A. Shahoseini, M. Mehmandoy. 2017. Soybean (*Glycine max* L. Merr.) Yield Gap Analysis using Boundary Line Method in Gorgan and Aliabad Katul. *Journal of Agroecology* 9(3), 760- 776.

Momen, R., A. Siahmarguee, E. Zeinali, B. Kamkar, F. Ghaderifar. 2017. The study of weed population and seed bank dynamic and soybean yield under different tillage methods. *Journal of Agroecology* 9(3), 575- 592.

Rezvantalab, N., A. Soltani, E. Zeinali, R. Deilamsalehi. 2017. Investigation of factors affecting the fuel consumption of wheat production in Golestan province. *Research Achievement for Improvement Crop Production* 3 (1), 102-119.

Khosravian, T., E. Zeinali, A. Siahmarguee. R. Ghorbani Nasrabadi, S.M. Alimagham. 2017. The effect of inoculation with *Streptomyces* and phosphorus fertilizer rate on biologic yield, grain yield and yield components in wheat and barley. *CerealResearch* 7(2), 257- 273.

Nezhad Hasan, B., A. Siahmarguei, E. Zeinali, F. Ghaderifar, E. Soltani. 2017. Evaluation of non linear regression models to description germination rate of Arugula (*Eruca sativa* Mill.) to temperature and water potential. *Iranian Journal of Seed Sciences and Research* 4 (2), 1-16.



Nezhad Hasan, B., E. Zeinali, A. Siahmarguei, F. Ghaderifar, E. Soltani. 2017. Studying the Response of Seed Germination of Neglected Plant Arugula (*Eruca Sativa* Mill.) to Some Environmental Factors. *Journal of Plant Production (Journal of Agricultural Sciences and Natural Resources)* 24 (2), 77-91

Alimagham, S.M., A. Soltani, E. Zeinali, H. Kazemi. 2017. Energy flow analysis and estimation of greenhouse gases (GHG) emissions in different scenarios of soybean production (Case study: Gorgan region, Iran). *Journal of Cleaner Production* 149, 621-628.

Jafarnodeh, S., E. Zeinali, A. Soltani, F. Sheikh. 2017. The effect of seed size and seeding date on phenological, morphological and agronomic characteristics of faba bean under rainfed conditions in Gorgan. *Journal of Crops Improvement* 19 (1), 87-103.

Gorzin, M., F. Ghaderi-far, S.E. Razavi, E. Zeinali. 2017. The Changes of Soybean Seed Health and Incidence of Seed Born Fungies in Response to Planting Date and Maturity Group of Cultivars. *Plant Protection (Scientific Journal of Agriculture)* 39 (4), 13-25.

Jafaraghaei, M., E. Zeinali, A. Soltani, S. Galeshi. 2017. Study on some biochemical characteristics of cotton genotypes under irrigation by saline water. *Iranian Journal of Cotton Researches* 4 (2), 27-44.

Ghalehrodkhani, B.Z., A. Soltani, E. Zeinali, B. Kamkar, M. Firozfar. 2017. Effect of plant density on allometric relationships between leaf area and vegetative traits of wheat. *Iranian Journal of Field Crops Research* 15 (3).

Soltani, A., E. Zeinali, B. Kamkar, M. Firozfar. 2017. Effect of Plant Density on Allometric Relationships Between Leaf Area and Vegetative Traits of Wheat. Ferdowsi University of Mashhad

Nejadhasan, B., E. Zeinali, A. Siahmarguee, F. Ghaderifar, E. Soltani. 2017. Studying The Response of Seed Germination of Neglected Plant Arugula (*Eruca Sativa* Mill.) To Some Environmental Factors. *Journal of Plant Production (Journal of Agricultural Sciences and Natural)*

Lakzaei, S., A. Soltani, E. Zeinali, F. Gaderifar, S. Jafarnodeh. 2017. Quantifying response of seedling emergence to temperature in rapeseed (*Brassica napus* L.) under field conditions. *Iranian Journal of Crop Sciences* 19 (3).

Moeginirad, A., E. Zeinali, A. Soltani, S. Galeshi, F. Yeganeh Poor. 2017. Investigation of SSM-Wheat model to forecast of growth and yield of wheat in response to fertilizer nitrogen in order to decrease pollution environmental and diseases. *International Journal of Advanced Biological and Biomedical Research* 5, 73-78.

Momen-Yesaghi, R., A. Siahmarguee, E. Zeinali, F. Ghaderifar, B. Kamkar. 2017. The study of weed population and seed bank dynamic and soybean yield under different tillage methods. *Agroecology* 9 (3).

Hajjarpou, A., A. Soltani, E. Zeinali, H. Kashiri, A. Aynehband. 2017. Evaluation of wheat (*Triticum aestivum* L.) yield gap in Golestan province of Iran using comparative performance analysis (CPA) method. *Iranian Journal of Crop Sciences* 19 (2).

Jafarnode, S., E. Zeinali, A. Soltani, F. Sheikh. 2017. Leaf area expansion, dry matter accumulation and grain filling trend as affected by planting date and seed size in faba bean (*Vicia faba* L.). *Iranian Journal of Field Crops Research* 15 (4), 901-913.

Zafarighalehrodkhani, B., A. Soltani, E. Zeinali, B. Kamkar, M. Firozfar. 2017. Effect of Plant Density on Allometric Relationships between Plant Height and Vegetative Traits of Wheat. *Iranian Journal of Field Crops Research* 15 (2), 286-297.

Nehbandani, A., A. Soltani, E. Zeinali, F. Hoseini. 2017. Analyzing soybean yield constraints in Gorgan and Aliabad katul using CPA method. *Journal of Agroecology* 7(1), 109- 123.

Ghoorchi, T., S.M.M. Seyedalmoosavi, E. Zeinali, Z. Karimi, A.M. Gharabash. 2017. The Effect of Fattening Potential of Dalagh Lambs Fed Grazing Whole-Crop Barley. *Animal Science Journal (Pajouhesh & Sazandegi)* 117, 141-150

Shahbazi, M., E. Zeinali, S. Galeshi, M.R. Ehteshami. H. Dorosti. 2017. Response of grain yield and other agronomic characteristics of two native and high- yield rice (*Oryza sativa* L.) cultivars to nitrogen fertilizer rate in Rasht. *Soil Management and Sustainable Production*. 7 (1), 21-38.

Rezvantalab, N., A. Soltani, E. Zeinali, R. Deilam Salehi. 2017. Investigation of factors affecting the fuel consumption of soybean production in the Golestan province. *Crop Production*. 10 (3), 157- 177.

Soltani, E., A. Soltani, S. Galeshi, F. Ghaderi-Far, E. Zeinali. 2016. Vertical distribution of volunteer canola and wild mustard in their soil seed bank. *Applied Field Crops Research* 29 (3), 20-28.

Rezaei, N., F. Ghaderifar, E. Zeinali, S.E. Razavi. 2016. The effect of leaf desiccants application timing on soybean seed health.

Rastegaar, Z., F. Ghaderi Far, H.R. Sadeghipor, E. Zeinali. 2016. Evaluation of acquisition desiccation tolerance in developing peanut seed (*Arachis hypogaea* L.). *Journal of Crop Production* 9 (1), 89-108.

- Azizzadeh, E., S.A.R.Movahedi Naeini, E. Zeinali, G.A. Roshani. 2016. CASRP Publisher.
- Nehbandani, A.R., A. Soltani, E. Zeinali, S. Raeisi, R. Najafi. 2016. Application of a biphasic pattern for describing dry matter partitioning between leaf and stem in soybean (*Glycine max* L.) cultivars. Iranian Journal of Crop Sciences 18 (1).
- Monajjem, S., E. Zeinali, F. Ghaderi Far, E. Soltani, C.M. Hosseini. 2016. Evaluation of the seed vigour diversity of rice genotypes (*Oryza sativa* L.). Electronic Journal of Crop Production 8 (4), 121-142.
- Azizzadeh, E., S. Naeini, E. Zeinali, G.A. Roshani. 2016. Nitrogen, phosphor and potassium changes in soil and wheat under foliar application of Leonardite, N and K. International Journal of Advanced Biological and Biomedical Research 4 (2), 193- 201.
- Zeinali, E., A. Soltani, M. Khadempir. 2016. Investigating the Allometric Relationships between leaf area and some of vegetative characteristics in SC704 corn hybrid. Iranian Journal of Field Crops Research 14(2); 354- 368.
- Soltani, E., C.C. Baskin, J.M. Baskin, A. Soltani, S. Galeshi, F. Ghaderi-far, E.Zeinali. 2016. A quantitative analysis of seed dormancy and germination in the winter annual weed *Sinapis arvensis* (Brassicaceae). Botany 94 (4), 289-300.
- Gorzin, M., F. Ghaderi-Far, E. Zeinali, S.E. Razavi. 2015. Evaluation of seed germination and seed vigor of different soybean (*Glycine max* (L.) Merr.) Cultivars under different planting dates in Gorgan. Iranian Journal of Field Crops Research 13 (3), 611-622.
- Gorzin, M., F. Ghaderi-far, E. Zeinali, S.E. Razavi, M. Monyan Ardestani. 2015. The role of planting date, foliar application of benomyl fungicide and potassium silicate in increasing seed quality of soybean cv. Williams. Journal of Crops Improvement 17 (1), 139-153.
- Vafakhah, M., S.A. Movahedi Naeini, E. Zeinali, O. Ghasemi. 2015. The Effect of Ammonium and Calcium Bearing Amendments on Soil Potassium Release and Wheat Uptake. Applied Field Crops Research 28 (106), 104-110.
- Khalili, N., A. Soltani, E. Zeinali, F. Ghaderi Far. 2015. Evaluation of nonlinear regression models to quantify barley germination rate response to temperature and water potential. Journal of Crop Production 7 (4), 40-23.
- Maddah, V., A. Soltani, E. Zeinali, M. Bannayan Aval. 2015. Simulating climate change impacts on wheat production in Gorgan, Iran. Bulletin of Environment, Pharmacology and Life Sciences 4.

Yousefidaz, M., A. Soltani, S. Galeshi, E. Zeinali. 2015. Optimization of the nitrogen fertilizer management of wheat in Gorgan: Rate and time of nitrogen application. *Electronic Journal of Crop Production* 7 (4), 81-102.

Soltani, A., A.B. Bazrgar, A.R. Koochaki, E. Zeinali, A.R. Ghaemi, A. Hajarpoor. 2015. Simulation of nitrogen losses in sugar beet production in various production systems in Khorasan. *Electronic Journal of Soil Management and Sustainable Production* 4 (4), 149-169.

Torabi, B., A. Soltani, S. Galeshi, E. Zeinali. 2015. Balance of N, P and K Nutrients in Different Wheat Farms in Gorgan. *Plant Products Technology (Agricultural Research)* 15 (1), 47-57.

Soltani, A., A.B. Bazrgar, A.R. Koochaki, E. Zeinali, A.R. Ghaemi, A. Hajarpoor. 2015. Life Cycle Assessment (LCA) of sugar beet production in various production systems in Khorasan. *Electronic Journal of Crop Production* 8 (1), 43-62.

Kiyanbakht, M., E. Zeinali, A. Siahmarguee, F. Sheikh, G.M. Pouri. 2015. Effect of sowing date on grain yield and yield components and green pod yield of three faba bean cultivars in Gorgan climatic conditions. *Electronic Journal of Crop Production* 8 (1), 99-119.

Soltani, E., A. Soltani, N. Mohamadi, B. Torabi, E. Zeinali. 2015. Crop Parameters Determination of Quefts Model for Optimizing NPK Nutrition in Wheat. *Electronic Journal of Crop Production* 8 (3), 41-61.

Soltani, A., M.H.M. Maleki, E. Zeinali. 2014. Optimal crop management can reduce energy use and greenhouse gases emissions in rainfed canola production. *International Journal of plant production* 8 (4), 587-604.

Soltani, E., A. Soltani, S. Galesh, F. Ghaderi-Far, E. Zeinali. 2014. Quantification of seedling emergence of volunteer canola and wild mustard under various burial depths. *Iranian Journal of Seed Research* 1 (1), 1-10.

Vafakhah, M., S.A. Movahedi Naeini, E. Zeinali. 2014. The Limitation Amount of Available Potassium for Wheat in a Loess Soil. *Isfahan University of Technology- Journal of Crop Production and Processing*.

Zeinali, E., A. Soltani, M. Toorani, M. Khadempir. 2014. Allometric relationships between leaf area and vegetative characteristics in faba bean (*Vicia faba* L.). *Journal of Plant Production Research* 20 (4), 1-22.

Gholami, A., H.R. Asgari, E. Zeinali. 2014. Effect of different tillage systems on soil physical properties and yield of wheat (Case study: Agricultural lands of Hakim Abad

village, Chenaran township, Khorasan Razavi). International Journal of Advanced Biological and Biomedical Research

Gorzin, M., F. Ghaderifar, S.E. Razavi, E. Zeinali. 2014. Identification and infection percentage determination of soybean (*Glycine max* (L.) Merr.) by seed born fungi in Golestan province and its relationship with quality of seeds. Iranian Journal of Seed Science and Research 1 (2).

Bagherani, N., S. Galeshi, E. Zeinali, M.H. Arzanesh. 2014. Evaluation of trifluralin, metribuzin and imazethapyr herbicides effects on bradyrhizobium japonicum isolates growth. Electronic Journal of Soil Management and Sustainable Production 4 (3), 251-268.

Nozari, N.M., E. Zeinali, A. Soltani, E. Soltani, B. Kamkar. 2014. Quantify wheat germination rate response to temperature and water potential. Electronic Journal of Crop Production 6 (4), 117-135 10.

Hajarpoor, A., A. Soltani, E. Zeinali, F. Sayyedi. 2014. Potential benefits from adaptation to climate change in chickpea. Agriculture Science Developments 3 (7), 230-236.

Alimagham, S.M., A. Soltani, E. Zeinali. 2014. Fuel consumption, energy use and GHG emissions from field operations in soybean production. Electronic Journal of Crop Production 7 (1), 1-23.

Hajarpoor, A., A. Soltani, E. Zeinali, F. Sayyedi. 2014. Simulating climate change impacts on production of chickpea under water-limited conditions. Agriculture Science Developments 3 (6), 209-217.

Farzaneh, S., E. Soltani, E. Zeinali, F. Ghaderi-Far. 2014. Screening oilseed rape germination for thermotolerance using a laboratory-based method. Seed Technology, 15-27.

Zeinali, E., A. Soltani, M. Khadempir, M. Tourani, F. Sheikh. 2013. Studying the response of yield components, grain and green pod yield of two faba bean cultivars to inter-row spacing in normal and late seeding dates. Journal of Crops Improvement 15 (4), 195-210.

Tajik Jalali, E. Nehbandani, A., Soltani, A. Zeinali, E., Ajamnowroozi, H 2013. Energy use in wheat production in Kordkoy region as influenced by seed-bed preparation and sowing methods. Journal of Plant Production Research 20 (3), 71-90.

Poori, K., E. Zeinali, S. Golchin. 2013. Investigating The Effect of Inter-and Intra-row Spacing on Dry Matter Accumulation and Partitioning in Faba bean. Iranian Journal of Field Crops Research 11 (3), 524.

Soltani, E., A. Soltani, S. Galeshi, F. Ghaderi-Far, E. Zeinali. 2013. Modelagem do banco de sementes de canola: do destino das sementes no solo à emergência das plântulas. *Planta Daninha* 31 (2), 267-279.

Torabi, B., A. Soltani, S. Galeshi, E. Zeinali, M. Kazemi Korgehei. 2013. Ranking factors causing the wheat yield gap in Gorgan. *Journal of Crop Production* 6 (1), 171-189.

Behdadian, A., A. Soltani, E. Zeinali, H. Ajam Norouzi, H. Masoumi. 2013. Evaluation of nitrogen fertilizer management effects on yield in flowering stage of rapeseed in Gorgan region. *Journal of Crops Improvement* 15 (1), 163-174.

Golchin, E., E. Zeinali, K. Pori. 2013. Studying grain and green pod yield, and grain yield components as affected by inter-and intra-row spacing in faba bean, Barakat cultivar. *Iranian Journal Pulses Research* 4 (1).

Soltani, A., M.H. Rajabi, E. Zeinali, E. Soltani. 2013. Energy inputs and greenhouse gases emissions in wheat production in Gorgan, Iran. *Energy* 50, 54-61.

Siahmargouei, A., E. Zeinali, E. Azizi, L. Alimoradi. 2013. The Effect of Drought on Population Dynamic of Volunteer Rape Seed (*Brassica Napus* L.) in Darkness. *Journal of Weed Ecology* 1 (1), 21-29.

Gholami, A., H.R. Asgari, E. Zeinali. 2013. Effects of short-term soil management practices on soil carbon and nitrogen sequestration and some physical and chemical characteristics as well as soil aggregate stability in Khorasan Razavi Province, Iran. *International Journal of Agriculture and Crop Sciences (IJACS)* 5 (21), 2622-2629.

Soltani, E., A. Soltani, S. Galeshi, F. Ghaderi Far, E. Zeinali. 2013. Seed germination modeling of wild mustard (*Sinapis arvensis* L.) as affected by temperature and water potential: hydrothermal time model. *Journal of Plant Production*.

Malek, M.M., S.A. Galeshi, E. Zeinali, H. Ajamnrouzi, M. Malek. 2013. Investigation of leaf area index, dry matter and crop growth rate on the yield and yield components of soybean cultivars. *Electronic Journal of Crop Production* 5 (4), 1-17.

Nehbandani, A., A. Soltani, E. Zeinali, S. Raeisi, A. Najafi. 2013. Allometric relationships between leaf area and vegetative characteristics in soybean. *International Journal of Agriculture and Crop Sciences (IJACS)* 6 (16), 1127-1136.

Torabi, B., A. Soltani, S. Galeshi, E. Zeinali. 2013. Assessment of Effect of Irrigation Regime on Wheat Yield Gap in Gorgan Region. *Journal of Plant Production*.

Hajarpour, A., A. Soltani, E. Zeinali, F. Sayyedi. 2013. Simulating the impact of climate change on production of Chickpea in rainfed and irrigated condition of Kermanshah. *Journal of Plant Production*.

Soltani, E., A. Soltani, E. Zeinali, A. Dastmalchi. 2013. Simulation of nitrogen losses under wheat production in Gorgan, using CROPSYST model. *Journal of Water and Soil Conservation*.

Bazrgar, A.B., A. Soltani, A. Koocheki, E. Zeinali, A. Ghaemi. 2013. Evaluation of The Environmental Impacts of Pesticides Used in Sugar Beet (*Beta Vulgaris L.*) Production Systems in Khorasan Provinces. *Agroecology* 5(2), 122- 133.

Soltani, E., A. Soltani, S. Galeshi, F. Ghaderi-Far, E. Zeinali. 2013. Seed bank modelling of volunteer oil seed rape: from seeds fate in the soil to seedling emergence. *Planta Daninha* 31, 267-279.

Rajabi, M.H., E. Zeinali, E. Soltani. 2012. Evaluation of energy use in wheat production in Gorgan. *Journal of Plant Production Research* 19 (3), 143-171.

Behdadian, A., A. Soltani, E. Zeinali, H. Adjam Norouzi. 2012. Effects of Agricultural Management on Nitrogen Nutrition and Yield of Canola (*Brassica napus L.*) in Gorgan. *Journal of Crop Ecophysiology* 6 (22 (2)), 185-200.

Bakhshandeh, E., A. Soltani, E. Zeinali, M. Kallate-Arabi. 2012. Prediction of plant height by allometric relationships in field-grown wheat. *Cereal Research Communications* 40, 413-422.

Bakhshandeh, S., A. Soltani, E. Zeinali, R. Ghadiryan. 2012. Study of dry matter and nitrogen accumulation, remobilization and harvest index in bread and durum wheat cultivars. *Journal of Crop Production* 6 (1), 39-59.

Rajabi, M.H., A. Soltani, E. Zeinali, E. Soltani. 2012. Evaluation of greenhouse gas emission and global warming potential in wheat production in Gorgan, Iran. *Electronic Journal of Crop Production* 5 (3), 23-44.

Torabi, B., A. Soltani, S. Galeshi, E. Zeinali. 2012. Documenting the process of wheat production in Gorgan. *Journal of Plant Production*

Gholami, T.H., F.J.G. Kord, E. Zeinali. 2012. Evaluation cardinal temperatures of germination in rice (*oriza sativa l.*) Cultivars. *Seed Research (Journal of Seed Science and Technology)* 1 (11), 41-52.

Rajabi, M.H., A. Soltani, B. Vhidnia, E. Zeinali, E. Soltani. 2012. Evaluation of fuel consumption in wheat fields in Gorgan. *Environmental Sciences* 9 (2), 143-164.

- Torabi, B., A. Soltani, S. Galeshi, E. Zeinali. 2012. Analyzing wheat yield constraints in Gorgan. *Electronic Journal of Crop Production* 4 (4), 1-17.
- Zeinali, E., A. Soltani, S. Galeshi, N.S. Movahedi. 2012. Evaluating nitrogen nutrition index of wheat (*Triticum aestivum* L.) fields in Gorgan. *Journal of Plant Production*
- Bazrgar, A.B., A. Soltani, A. Koocheki, E. Zeinali, A. Ghaemi. 2011. Environmental emissions profile of different sugar beet cropping systems in East of Iran. *African Journal of Agricultural Research* 6 (29), 6246-6255.
- Soltani, E., A. Soltani, S. Galeshi, F. Ghaderi-Far, E. Zeinali. 2011. Quantificar a produção de sementes de canola voluntária (*Brassica napus*) e *Sinapis arvensis*. *Planta Daninha* 29 (3), 489-497.
- Torabi, B., A. Soltani, S. Galeshi, E. Zeinali. 2011. Assessment of yield gap due to nitrogen management in wheat. *Australian Journal of Crop Science* 5 (7), 879-884.
- Dastmalchi, A., A. Soltani, N. Latifi, E. Zeinali. 2011. Parameter Estimates and evaluation of Cropsyst-Wheat for Golestan province cultivars. *Electronic Journal of Crop Production* 4 (2), 63-80.
- Soltani, E., A. Soltani, S. Galeshi, F. Ghaderi-Far, E. Zeinali. 2011. Quantifying seed production by volunteer canola (*Brassica napus*) and *Sinapis arvensis*. *Planta Daninha* 29, 489-497.
- Nik, S.M.M., H.G. Tilebeni, E. Zeinali, A. Tavassoli. 2011. Effects of seed ageing on heterotrophic seedling growth in cotton. *American-Eurasian Journal of Agricultural and Environmental Sciences* 10 (4), 653-657.
- Ghadiryani, P., A. Soltani, E. Zeinali, A.M. Kalateh, E. Bakhshandeh. 2011. Evaluating non-linear regression models for use in growth analysis of wheat. *Electronic Journal of Crop Production* 4 (3), 55-77.
- Mohammadi, H., A. Soltani, H.R. Sadeghipour, E. Zeinali. 2011. Effects of seed aging on subsequent seed reserve utilization and seedling growth in soybean. *International Journal of Plant Production* 5 (1), 65-70.
- Bakhshandeh, E., A. Soltani, E. Zeinali, M.K. Arabi, R. Ghadiryan. 2011. Evaluation of allometric relationships between leaf area and vegetative characteristics in bread and durum wheat cultivars. *Iranian Journal of Crop Sciences* 13 (4), 642-657.



## **Books:**

- Zeinali, E. 1999. Safflower: Identification- production – consumption, Gorgan University of Agricultural Sciences and Natural Resources publications. Gorgan, Iran (In Persian)
- Zeinali, E., and Ehteshami, M.R. 2003. Biology and control of important weed species, , Gorgan University of Agricultural Sciences and Natural Resources publications. Gorgan, Iran (In Persian)
- Galeshi, S., and Zeinali, E. 2005. Respiration and Crop Productivity (Translation from English to Persian), Gorgan University of Agricultural Sciences and Natural Resources publications. Gorgan, Iran (In Persian)
- Zeinali, E., and Soudmand, M.A. 2008. Grass Weeds. Gorgan University of Agricultural Sciences and Natural Resources publications. Gorgan, Iran (In Persian)
- Soltani, A., Zeinali, E., and several other Authors. 2018. An Atlas of Yield Gap and Production Capacity of Important Crops in Iran in Current and Future Climatic Conditions. Ministry of Jahad E Keshavarzi, Iran. (In Persian)

## **ACADEMIC TEACHING EXPERIENCE:**

- B.Sc. Courses: cereal production, Principles of plant nutrition, Conservation Agriculture,
- M.Sc. Courses: Sustainable crop production, Plant nutrition and bio fertilizers, Advanced agronomy
- Ph.D. Courses: Mineral nutrition of crop plants

**LANGUAGES:** Persian and English