

Curriculum Vitae

Personal Information

First Name: Sara
Surname: Sanjani
Date of birth: 1th April, 1981
Nationality: Iranian
Marital Status: Married
Title: Ms
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Employment

Research Assistant at Seed and Plant Improvement Institute (SPII), Karaj, Iran:
October 2015-Present.

Educational Background

2008-2013	Ph.D in Crop Ecology, School of Agriculture, Ferdowsi University, Mashhad, Iran
2005-2007	MSc in Crop Ecology, School of Agriculture, Tehran University, Tehran, Iran.
2000-2004	BSc in Agronomy and plant breeding, School of Agriculture, Mashhad University, Mashhad, Iran.

Projects:

BSc. Seminar:	Application of Fractal in agriculture.
MSc. Seminar:	Effects of intercropping on weed control.
MSc. Thesis:	The investigation seed yield and weed control in additive cowpea and grain sorghum in limited irrigation condition.
Ph.D Thesis:	Agro- Ecological Zoning and yield gap analysis for wheat, sugar beet and maize in Khorasan province, Iran.

Publications

a) In English

- 1)** Bannayan, M., **S. Sanjani**, A. Alizadeh, S. Sadeghi Lotfabadi, A. Mohamadian. (2010). Association between climate indices, aridity index, and rainfed crop yield in northeast of Iran. *Field Crops Research*. 118, 105–114.
- 2)** Bannayan, M., S. Sadeghi Lotfabadi, **S. Sanjani**, A. Mohammadian, M. Aghaalikhani. (2010). Effects of precipitation and temperature on cereal yield variability in northeast of Iran. *International Journal of Biometeorology*, 55, 387-401.
- 3)** **Sanjani, S.**, M. Bannayan, M. Kamyabnejad. 2011. Determination of recent climate change of extreme daily temperature in Khorasan, Iran. *Climate Research*. 49: 247-254.
- 4)** Bannayan, M., **S. Sanjani**. 2011. Weather conditions associated with irrigated crops in an arid and semi arid environment. *Agricultural and Forest Meteorology Journal*. 151: 1589–1598.
- 5)** Ghorbani, R., F. Mondani, SH. Amirmoradi, H. Feizi, S. Khoramdel, M. Teimouri, **S. Sanjani**, S. Anvarkhah, H. Aghel. (2011). A case study of energy use and economical analysis of irrigated and dryland wheat production systems. *Applied Energy*. 88, 283-288.
- 6)** Nezami, A., **Sanjani, S.**, Ziaee, M., Soleimani, M.R., Nassiri-Mahallati, M., Bannayan, M. 2012. Evaluation of freezing tolerance of Cumin (*Cuminum cyminum* L.) under controlled condition. *Agricultura, Agricultural Practice and Science Journal*. 81: 75-84.
- 7)** Amjed, A., **Sanjani, S.**, Hoogenboom, G., Ahmad, A., Khaliq, T., Wajid, S. A., Noorka, I. R., and Ahmad, S. 2012. Application of crop growth models in agriculture of developing countries: a review. *New Horizons in Science & Technology (NHS&T)*. 1(4):95-99.
- 8)** **Sanjani, S.**, Koocheki, A, Nassiri Mahallati, M. 2012. Quantifying yield potential and yield gap for corn (*Zea mays* L.) in the Northeast Iran. *International Journal of Agriculture and crop science*. 4(22): 1692-1700.

b) In Persian (Abstract in English)

Published Articles:

- **Sanjani, S.**, M. B. Hosseini., M. R. Chaichi., S. Rezvan Beydokhti. (2008) Effect of additive intercropping sorghum:cowpea on weed biomass and density in limited irrigation system. Iranian Field Crop Research. 7, 85-95.
- **Sanjani, S.**, M. B. Hosseini., M. R. Chaichi., S. Rezvan Beydokhti. (2011) Evaluation of yield and yield components in additive intercropping sorghum:cowpea at limited irrigation system. Journal of Agroecology. 3, 25-35.
- Koochehi, A.R., M. Nassiri Mahalati., **S. Sanjani** (2009). Evaluation of weed diversity and modeling light interception and distribution in multiple and sole cropping of Millet (*Setaria italica* L.) and Bean (*Phaseolus vulgaris* L.). Iranian Field Crop Research. 8, 95-103.
- Koochehi, A.R., M. Nassiri Mahalati., S. Khoramdel., S. Anvarkhah., **S. Sanjani** (2010). Evaluation of growth indices of hemp (*Cannabis sativa* L.) and sesame (*Sesamum indicum* L.) in intercropping with replacement and additive series. Journal of Agroecology. 2, 55-67.
- Rezvan beydokhti, S.H., A. Dashtban., M. Kafi., **S. Sanjani** (2009). Evaluation effect of some of *Pesodomonas* bacteria strains on yield and yield components of wheat at various levels of phosphorus fertilization. Journal of Agroecology. 1, 33-41.
- Pooya Nasab, Kh., Bannayan, Gorbani, M.R., **Sanjani, S.**, Yaghoubi, F. 2018. Temporal and Spatial Variation of Wheat and Beans Yield, Case Study: Khorasan Razavi. Iranian Field Crop Research. 16, 263-282.
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- Jasemi, Sh., Naghipour, F., Sanjani, S., Esfandyaripour, A., Khorsandi, H. Najafian, G. 2018. Evaluation of quality properties of four wheat (*Triticum aestivum* L.) cultivars in wheat producing provinces, Iran. Iranian Journal of Crop Sceince. 19, 174-192
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c) Papers in International Conferences:

- Bannayan, M., S. Sadeghi Lotfabadi, **S. Sanjani**, A. Mohammadian. 2010. Rainfed crop production and its association with precipitation, temperature and sea surface temperature anomalies. 22nd Conference on Climate Variability and Change of the 90th AMS (American Meteorological Society). 17–21 January 2010, Atlanta, GA, USA.
- Bannayan, M., **S. Sanjani**. 2010. A comprehensive agrometeorological study of crop production in Khorasan. 29th Conference on Agricultural and Forest Meteorology. 2-6 August 2010, Keystone, Colorado, USA.
- Rezvan beydokhti, S., Nezami, A., Kafi, M., **Sanjani, S.** 2011. Evaluation of freezing tolerance of three Persian shallot (*Allium Altissimum* Regal) ecotypes

under controlled condition. 9th International Plant Cold Hardiness Seminar. 17- 22th July, 2011.

- Nezami, A., Ziaee, M., Soleimani, M., Kafi, M., **Sanjani, S.** 2011. Assessment of freezing tolerance in Cumin (*Cuminum cyminum*) under controlled condition. 9th International Plant Cold Hardiness Seminar. 17- 22th July, 2011.
- Kafi, M., Nezami, A., Rezvan beydokhti, S., **Sanjani, S.** 2011. Effect of freezing stress on electrolyte leakage of Saffron (*Crocus sativus* L.) under controlled condition. 9th International Plant Cold Hardiness Seminar. 17- 22th July, 2011.

Scientific Honors:

- Awarded as the Top Student at the end of MSc. Period, Tehran University.
 - Awarded as the Top Student at the end of Ph.D, Ferdowsi University of Mashhad..
 - First rank in Ph.D entrance examination of Ferdowsi University of Mashhad
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Scientific Experiences

Visiting scientist, Washington State University, Washington State, USA, 2011-2012.

Workshop on Geographical Information System
Workshop on Agro-ecological Zoning
Workshop on Biological control and Invasive plants
Workshop on Organic agriculture Inspector

Research Interests and Activities:

- ✎ Agro Ecological Zoning and land suitability
 - ✎ Agro-meteorological Studies
 - ✎ Crop modeling
 - ✎ Climate Change research
 - ✎ Physio-breeding of Wheat
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Work Experiences

2010-2013	Member of Faculty, as a teacher, at Islamic Azad University and Payamenoor University, Iran.
2011 -Present	Specialist and reviewer of Journal of Agroecology
2012-2013	Simulation of Urban green space of Mashhad city, Iran

Teaching courses

Agronomy, Ecology

Languages:

English Fluent speaking, writing, reading and listening

Persian Native Language

Computer Skills:

Text processing MS-Office Package;

Data processing Excel, Sigmaplot, Sigmastat, Slidewrite, Minitab, SAS, Arc GIS 10.

Presentation Powerpoint

Crop model Model Maker, DSSAT, WOFOST