

In the Name of God

Curriculum Vitae

Full name: Fatemeh Panahi

Born: 21th September, 1981, Tehran, Iran

Residence: Tehran, Iran

Marital status: married

Present occupation: Assistant Professor

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EDUCATION

- Diploma, Mathematics, Etrat high school, Karaj (1994-1997)
- Pre-university degree, Natural science, Etrat high school, Karaj (1997-1998)
- B.A., Engineering of Natural resources–rangeland & watershed, second student, Tehran University, Tehran (1999-2003)
- M.A., Engineering of Natural resources-dedesertification, second degree, entrance exam, Tehran University, Tehran (2003)
- M.A., Engineering of Natural resources-dedesertification, Top student, Tehran University, Tehran (2003-2005)
- Ph.D., Dedesertification, Tehran University, Tehran (2007-2012).

PROFESSIONAL RECORD

- Remote sensing instructor, instructing in fields of desert management, Azad Islamic university, (2006)
- General and Scientific English instructor, instructing in fields of agriculture, natural resources and water and soil management, PNUUniversity, (2008-2011)

- Climatology instructor, instructing in fields of agriculture, natural resources and water and soil management, PNUUniversity, (2009)
- General Hydrology instructor, instructing in fields of agriculture, natural resources and water and soil management, PNUUniversity, (2010)
- Research Design instructor, instructing in fields of combat to desertification, Kashan University, (2012-2014)
- Reclamation of Arid Lands instructor, instructing in fields of combat to desertification, Kashan University, (2012-2014)
- Dedesertification instructor, instructing in fields of combat to desertification, Kashan University, (2013)
- Economical-Sociological Development of Desert lands instructor, instructing in fields of combat to desertification, Kashan University, (2013)
- Ecosystems of Desert and Arid Lands instructor, instructing in fields of combat to desertification, Kashan University, (2013)
- Hydrology of Arid Lands instructor, instructing in fields of combat to desertification, Kashan University, (2013-2014).

ARTICLES PUBLISHED & ACCEPTED

- Water in divine religions, environmental agricultural scientific magazine. Dahati magazine, 2006.
- Architecture of desert regions, environmental agricultural scientific magazine. Dahati magazine, 2006.
- Assessment of soil criteria indices in order to consider the desertification condition of 3 regions in Qom province. Forest and Desert Journal, 2006.
- Assessment of soil criteria indices for desertification studies in Ghom province. Iranian Journal of Range and Desert Research, 2007.

- The study of species richness measurement time in two modified and original Whittaker plots. Accepted in Grassland China Congress, 2008.
- Phenological effects on forage quality of *Salsola arbuscula*, *Salsola orientalis* and *Salsola tomentosa* in three habitats in the central part of Iran. Middle-East journal of scientific research (ISI journal), 2012.
- The Effects of Salinity and Temperature on Some Germination Characteristics of *Salsola arbuscula*. World Applied Sciences Journal (ISI journal), 2012.
- Analysis of the Relation between Standardized Precipitation Index and Dust Outbreak Ratio (Case Study: Synoptic Station of Kashan). The First International Conference on Dust Haze, Management of Factors and Consequences, 2013.
- Effect of irrigation water acidity levels in plant (*Nitraria schoberi* L.). The First National Conference on Salt Stress in Plants and Agriculture Development in Saline Conditions, 2013.
- *Salsola arbuscula* Responses to Salt Stress. IJTEE (ISI journal, IF: 1), 2013.
- The Effect of Clear Cutting on Runoff Height. IJITEE (ISI journal, IF: 1.24), 2013.
- Salinity and Temperature Effects on Germination Characteristics of *Salsola tomentosa*. IJITEE (ISI journal, IF: 1), 2013.
- Salinity and *Nitraria schoberi*: Growth Parameters, Chlorophyll Content and Ion Accumulation. IJACS, 2014.
- The Study of Desertification Process on the Basis of Annual Groundwater Level Decline (Case Study: Kashan Aquifer). GRIB, 2014.

- Change Detection of Land Use in Kashan Area Using Remote Sensing Data. GRIB, 2014.
- Climatic Analysis and Routing of Comprehensive Dust Storms in the South and Center of Iran. JES, 2014.
- Alkalinity stress on chlorophyll content, carotenoids, soluble sugars and leaf relative water content and growth parameters (L. *Nitraria schoberi*), JNRSD. 2014.
- Investigation of Salt Stress Effects on Growth Parameters and Salinity Tolerance Efficiency in *Nitraria schoberi*. JNRSD, 2014.
- Investigation of Salt Stress Effects on Growth Parameters and Salinity Tolerance Efficiency in *Tamarix aphylla*. JNRSD, 2014.
- Soil Properties Zoning as a Fundamental Studies of the Desert Lands Management Using Surfer (Case Study: Sabzevar Fast Pastures). The Fourth International Conference on Environmental Challenges and Dendrochronology. Iran, 2014.
- Ecotourism and Sustainable Development. The Fourth International Conference on Environmental Challenges and Dendrochronology. Iran, 2014.
- Comparison of Rangeland and Watershed Projects Performance Constraints in Sistan Baluchestan, Kerman and Khorasan Razavi Provinces (Case Study: Rayn, Kashmar and Zahedan). The Fourth International Conference on Environmental Challenges and Dendrochronology. Iran, 2014.
- Investigation of Salt Stress Effects on Relative Water Content and Chlorophyll Content in *Nitraria schoberi*. The Fourth International Conference on Environmental Challenges and Dendrochronology. Iran, 2014.

- Investigation of Salt Stress Effects on Ions Accumulation in *Tamarix aphylla*. The Fourth International Conference on Environmental Challenges and Dendrochronology. Iran, 2014.
- Changes in Vegetation and Soil Salinity Using Remote Sensing Data (Case Study: Amir Abad Plain, Kurdistan Province). The Fourth International Conference on Environmental Challenges and Dendrochronology. Iran, 2014.
- *Flood Feasibility in Arid and Semi-Arid region, National Conference of Sustainable Development of Renewable Resources, 2014.*
- The Responses of *Salsola tomentosa* to Salt Stress. Agriculture and Climate Change. AGRI2015 (Elsevier). Amsterdam, Poland. Poster Acceptance, 2015.

BOOKS PUBLISHED

- Translator in cooperation with Dr. M. Jafary, "Soils, Their Properties and Management", edited by Peter E.V.Charman and Brian W. Murphy, Oxford University Press, 2011.
- Translator in cooperation with Dr. M. Jafary and Eng. M. Ghorbani, "Developments in Soil Salinity Assessment and Reclamation", edited by Shabbir A. Shahid, Mahmoud A. Abdelfattah and Faisal K. Taha, Springer Press, 2013 (Under Translation).

M.S. THESES UNDER SUPERVISION

- Potential for multiple uses of halophyte and salt-tolerant plant species in saline soils, case study: Kashan-Tabas.
- Assessment of desertification process based on soil salinization and vegetation using Remote Sensing, case Study: Namak Lake.

- Evaluation of two chemical mulches efficiency in stabilizing Kashan sand dunes for establishment of *Calligonum* and *Haloxylon* species.
- Groundwater quality and quantity zonation in kermanshah.
- Investigation of land use effects on soil degradation using soil quality indices in Abuzeidabad.
- Assessment of desertification intensity using ESAs in Aboozeidabad.
- Assessment of desertification trend, case study: Abuzeidabad.
- Study of vegetation and climatic factors influence on dust storms using Remote Sensing, case study: Esfahan.

SKILLS

- Fluency and accuracy in both English and Persian.
- Top student, Olympic exam of English (1998).
- English license, ILI, Karaj, Iran.
- English degree of PhD qualifying exam, Tehran University (2005).
- Top student, English PhD qualifying exam, Tehran University (2007).
- Student of French, ILI, Karaj (2008-2009)
- Knowledge of Mathematics.
- Knowledge of computer softwares such as Word, Excel and Power point.
- Knowledge of computer softwares such as ILWIS, Idrisi, ArcGIS, ArcView,... in fields of GIS and Remote Sensing.

HOBBIES

- Studying Mathematic, GIS, English fields.
- Reading mystical, religious, metaphysical books.
- Driving, swimming and mountain climbing.
- Shopping, cinema and chatting with friends.
- Searching in internet.

REFERENCES

Dr. Mohammad Jafary, Professor, Natural Resources College, Tehran University, Tehran, Iran.

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Dr. Mohsen Mohseni Saravi, Professor, Natural Resources College, Tehran University, Tehran, Iran

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