

## RESUME

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**Present Working Address:**

Water Engineering Department, College of Agriculture, Isfahan University of Technology, Isfahan, Iran, 8415683111.

### Education:

**Ph. D.:** Utah State University, Logan, Utah, U.S.A., 1985.

Major: Irrigation Engineering

Thesis Research: Furrow Hydraulics with Two-Dimensional Infiltration.

Major Professor: Dr. W. R. Walker

**M. Sc.:** Utah State University, Logan, Utah, U.S.A., 1982.

Major: Irrigation Engineering.

Thesis Research: Furrow Geometry and Roughness Under Surge and Continuous Flow.

Major Professor: Dr. W. R. Walker.

**M. S.:** Texas A & I University, Kingsville, Texas, U.S.A., 1979.

Major: Agricultural Mechanization.

**B. Sc.:** Azarabadegan University, Tabriz, Iran. 1977.

Major: Irrigation Engineering.

### Visiting Scholar:

1- International Development Technologies Center, Department of Civil and Agricultural Engineering, University of Melbourne, Parkville Vic. 3052, Australia (Visiting period: Sep. 1994 to June 1995).

2- Department of Land, Air and Water Resources and Biological and Agricultural Engineering, University of California, Davis, CA 95616, USA (Visiting period: June 2001 to June 2002).

### Experience:

Teach and Research in University, Water Engineering Department, College of Agriculture, Isfahan University of Technology, Isfahan, Iran. 1985 - present.

Head of Water Engineering Department, College of Agriculture, Isfahan University of Technology, Isfahan, Iran. July 1988 - Sep. 1991! Oct. 1996 – Nov. 2000.!!!Jan. 30, 2012 – Feb. 22, 2014.

**Present Status:**

Professor

**Courses Taught in Iran:**

**Graduate Level:** Surface Irrigation, Surface Irrigation Hydraulics, Trickle Irrigation, Sprinkler Irrigation, Advanced Drainage, Advanced Soil Physics.

**Undergraduate Level:** Irrigation Systems Design, Drainage Engineering, Drainage Principles, Irrigation Principles.

**Research Projects (Supervised research projects, completed):**

- 1- The effects of treated wastewater and irrigation systems on yield of some crops, soil physical and chemical properties and pollution of soil and groundwater resources (national research project code 1159).
- 2- The evaluation and comparison of advance of water under surge and continuous flow in furrow irrigation (research project code 1AGB662).
- 3- Design, manufacturing and evaluation of automatic on and off water delivery system for surge flow irrigation (research project code 1AGF821).
- 4- The improvements in water use efficiencies for parks and landscapes of Isfahan (research project code 1332).

**Articles:**

**National Journal Articles:**

- 1- Mostafazadeh, B. and S. F. Mousavi. 1989. Comparison of infiltration under surge and continuous flow for furrow irrigation in three fields at Isfahan. *Journal Agricultural Science and Technology*, Vol. 3, No. 2, 35-43.
- 2- Mostafazadeh, B. 1990. Comparison of furrow irrigation advance under surge and continuous flow in three fields at Isfahan. *Iranian J. Agric. Sci.*, Vol. 21, Nos. 1 & 2, PP. 9-15.
- 3- Mostafazadeh, B. 1991. Determination of Kostiakov-Lewis infiltration function parameters using volume balance equation for a furrow irrigation field at Isfahan. *Journal Agricultural Science and Technology*, Vol. 5, No. 1, 101-112.
- 4- Mousavi, S. F. and B. Mostafazsdeh. 1992. The use of general infiltration model in evaluating the furrow infiltration rate under surge and conventional methods. *Journal Agicultural Scinece and Technology*, Vol. 6, No. 2, 94-107.

- 5- Akhavan-Ghalibaf, M., A. Jalalian, B. Mostafazadeh and S. F. Mousavi. 1994. Soil resalinization in Rudasht region of Isfahan. *Iranian J. Agric. Sci.*, Vol. 25, No.1, 33-48.
- 6- Akhavan- Ghalibaf, M., A. Jalalian, S. F. Mousavi and B. Mostafazadeh. 1996. Hardpans and salt distribution in Rudasht of Isfahan. *Iranian J. Agric. Sci.*, Vol. 27, No. 1, 49-60.
- 7- Mostafazadeh, B., R. Fatahi and S. F. Mousavi. 1996. Use of kinematic wave model in evaluating furrow irriation system. *Iranian J. Agric. Sci.*, Vol. 27, No. 3, 45-54.
- 8- Mostafazadeh, B., S. F. Mousavi and M. H. Sharif-Bayanolhagh. 1998. Wetting front advance from a point source in sloping fields. *Journal of Science and Technology of Agriculture and Natural Resources*, Vol. 2, No. 3, 13-23.
- 9- Mousavi, S. F., A. Bassirpour and B. Mostafazadeh. 1998. Field and laboratory study of soil infiltration changes as affected by suspended materials in water in artificial recharge projects. *Iranian J. Agric. Sci.*, Vol. 29, No. 1, 88-96.
- 10- Mousavi, S. F., B. Mostafazadeh and S. Absalan. 1999. Evaluation of border irrigation system efficiencies in some fields of Kohgiluyeh and Boyer-Ahmad province. *Journal of Science and Technology of Agriculture and Natural Resources*, Vol.2, No.4, 1-13.
- 11- Mostafazadeh, B. and S. F. Mousavi. 1999. Comparison of soil saturated hydraulic conductivity under shallow well and guelph permeameter methods above the water table. *Journal of Agriculture and Rural Development*, Vol. 1, No. 1, 1-11.
- 12- Mostafazadeh, B. and A. H. Moayyedinia. 2000. The effect of different chemical components of irrigation water on emitter clogging in trickle irrigation. *Iranian J. Agric. Sci.*, Vol. 31, No.3, 497-511.
- 13- Mostafazadeh, B. and M. Farzamnia. 2000. The study of hydraulic performance of furrow irrigation under different methods of discharge management. *Journal of Science and Technology of Agriculture and Natural Resources*, Vol. 4, No.3, 1-11.
- 14- Mostafazadeh, B. and M. Kahnouji. 2002. The effect of irrigation water temperature on discharge for some Iranian emitters in trickle irrigation. *Journal of Science and Technology of Agriculture and Natural Resources*, Vol. 6, No. 1, 31-43.
- 15- Mostafazadeh, B. and A. R. Soltani. 2000. Performance of furrow irrigation under different inflow hydrographs. *Modarres Agricultural Science*, Vol. 1, No. 4, 65- 78.
- 16- Valynejad, M., B. Mostafazadeh and S. A. Mir Mohammady Maibody. 2002. The effect of Shahinshahr treated wastewater on agronomic and chemical characteristics of corn under sprinkler and surface irrigation systems. *J. Agric. Sci. Natur. Resour.*, Vol. 9, No. 1, 103-115.
- 17- Abedi-Koupai, J., M. Afyuni, B. Mostafazadeh, F. Mousavi and M. R. Bagheri. 2003. The effect of sprinkler and surface irrigation with treated wastewater on soil salinity. *Journal of Water and Wastewater*, Vol. 45, 2-12.

- 18- Faramarzi, M., B. Mostafazadeh, F. Mousavi and M. Torabi. 2005. Application of Hooghoudt equation for subsurface drains in Roudasht, Isfahan, Iran. *Iranian J. Agric. Sci.*, Vol. 36, No. 1, 13-19.
- 19- Mostafazadeh, B., S. A. M. Mir Mohammady Maibody and M. Yarian Koupai. 2005. A comparison of sunflower, corn and sugarbeet characteristics under different irrigation systems using wastewater. *Iranian J. Agric. Sci.*, Vol. 36, No. 5, 1215-1223.
- 20- Ahkavan, S., B. Mostafazadeh-Fard, S. F. Mousavi, A. Ghadami Firoz-Abadi and B. Bahrami. 2005. Effect of irrigation amount and method on yield, yield components and quality of potato. *Agricultural Research, Water, Soil & Plant in Agriculture*, Vol. 5, No. 2, PP. 27-41.
- 21- Faramarzi, M. B. Mostafazadeh, F. Mousavi and A. Liaghat. 2006. Effect of discharge rate on water table profile in subsurface drainage using drain tube. *J. Agric. Sci. Natur. Resour.*, Vol. 12, No. 6, 1-11.
- 22- Mostafazadeh, B. and A. Azizy. 2006. Determination of the Kostikov-Lewis infiltration equation parameters for border irrigation using volume balance method. *J. Agric. Sci. Natur. Resour.*, Vol. 13, No. 1, 1-10.
- 23- Ahkavan, S., S. F. Mousavi, B. Mostafazadeh-Fard and A. Ghadami Firoz-Abadi. 2007. Investigation of yield and water use efficiency of potato with tape and furrow irrigation. *Journal of Science and Technology of Agriculture and Natural Resources*. Vol. 11, No. 41(A), 15-27.
- 24- Moravejalahkami, B. and B. Mostafazadeh. 2007. A comparison of furrow irrigation with Gholam-Gardeshy furrow irrigation. *Iranian J. Agric. Sci.*, Vol. 38, No. 3, 505-512.
- 25- Kefayati, M. M., Mostafazadeh, B. and M. Heidarpour. 2007. Introducing a simple method for determination of the infiltration equations for furrow irrigation based on inflow-outflow hydrographs. *J. Agric. Sci. Natur. Resour.*, Vol. 14, No. 5, 225-234.
- 26- Mostafazadeh-Fard, B. and S. Taghavi. 2006. Evaluation of different sprinkle irrigation systems in East-Azarbaijan Province. *Agricultural Research (Water, Soil & Plant in Agriculture)*, Vol. 6, No. 4, 39-48.
- 27- Mostafazadeh-Fard, B., A. Farkhondeh, S. F. Mousavi and M. Feizi. 2006. The effect of deficit irrigation on yield and some qualitative characters of cantaloupe (*Cucumis melo L. var. cantalupensis*). *Agricultural Research (Water, Soil & Plant in Agriculture)*, Vol. 6, No. 4, 63-75.
- 28- Soroush, F., S. F. Mousavi, Kh. Razmjoo and B. Mostafazadeh-Fard. 2007. Effects of irrigation with different amounts of wastewater on adsorption of chemical elements by *Zoysia grass (Zoysia spp.)*. *Agricultural Research (Water, Soil & Plant in Agriculture)*, Vol. 7, No. 2, 73-84.
- 29- Soroush, F. and B. Mostafazadeh-Fard. 2008. Computer model for computation of the parameters of furrow geometry functions. *Journal Water and Soil (Agricultural Sciences & Technology)*, Vol. 22, No. 2, 272-284.

- 30- Soroush, F., F. Mousavi, Kh. Razmjoo and B. Mostafazadeh-Fard. 2008. Effect of treated wastewater on uptake of some elements by Turfgrass in different soil textures. *Journal Water and Soil (Agricultural Sciences & Technology)*, Vol. 22, No. 2, 285-294.
- 31- Malekian, R., M. Heidarpour, B. Mostafazadeh-Fard and J. Abedi-Koupai. 2008. Effect of surface and subsurface irrigation with treated wastewater on bermudagrass properties. *J. Agric. Sci. Natur. Resour.*, Vol. 15, No. 4, 248-257.
- 32- Jafari, F., B. Mostafazadeh-Fard, S. F. Mousavi and M. R. Yazdani. 2008. The infiltration characteristics of paddy fields in swelling soils of Guilan province. *Iranian Journal of Irrigation & Drainage*, Vol. 2, No. 2, 31-42.
- 33- Nateghi-Nia, S., B. Mostafazadeh-Fard and S. F. Mousavi. 2008. The Effects of slope and crop coverage on surface storage and runoff of swelling soils under sprinkler irrigation. *Iranian Journal of Irrigation & Drainage*, Vol. 2, No. 2, 19-29.
- 34- Soroush, F., S. F. Mousavi, Kh. Razmjoo, J. Abedi-Kupai and B. Mostafazadeh-Fard. 2008. Effect of irrigation with wastewater on some characteristics of Zosiagrass in different soil textures. *Research in Agricultural Science*, Vol. 4, No. 1, 61-71.
- 35- Yousefi-Moghadam, S., S. F. Mousavi, B. Mostafazadeh-Fard, M. R. Yazdani and A. Hemmat. 2008. Effect of different puddling levels on moisture variations and bulk density of three dominant soil textures in paddy fields of Guilan province. *Journal Water and Soil (Agricultural Sciences & Technology)*, Vol. 22, No. 2, 383-393.
- 36- Osroosh, Y., S. F. Mousavi and B. Mostafazadeh-Fard. 2008. Analysis of hydraulic phenomena using electrical approach. *Iran-Water Resources Research*, Vol. 4, No. 2, 75-79.
- 37- Soltani, S., S. F. Mousavi, and B. Mostafazadeh-Fard. 2009. Simultaneous effect of deficit irrigation and salinity on nutrients content and dry matter of Canola (*Brassica napus* L.) and soil salinity profile under greenhouse conditions. *Iranian Water Research Journal*, Vol. 2, No. 3, 65-76.
- 38- Soltani, S., S. F. Mousavi, and B. Mostafazadeh-Fard. 2009. Effects of PRD on nutrient content, dry matter, harvest index and root distribution in canola (*Brassica napus* L.) under greenhouse conditions. *Iranian Journal of Irrigation & Drainage*, Vol. 3, No. 1, 81-89.
- 39- Feizi, M., A. Farkhondeh, B. Mostafazadeh-Fard and S. F. Mousavi. 2011. The effect of irrigation water quality on yield and some qualitative characters of cantaloupe under trickle irrigation. *Journal of water research in Agricultural*, Vol. 24, No. 2, 145-153.
- 40- Meidanshahi, M., S. F., Mousavi, B. Mostafazadeh-Fard and E. Landi. 2013. Effect of PRD deficit-irrigation method and sodium salicylate on yield, yield components and water use efficiency of tomato. *Journal of Science and Technology of Greenhouse Culture*, Vol. 3, No. 13, 1-14.
- 41- Yousefi-Moghadam, S., S. F. Mousavi, B. Mostafazadeh-Fard, M. R. Yazdani and A. Hemmat. 2012. Effect of puddling intensity on soil water retention and water required for puddling in three soil textures of paddy fields in Guilan Province. *Journal of Science and Technology of Agriculture and Natural Resources*, Vol. 16, No. 60.

- 42- Moravejalakhkami, B., B. Mostafazadeh-Fard, M. Heidarpour, S. S. Eslamian and J. Roohi. 2012. Design and evaluation of an automatic valve to produce different furrow inflow hydrograph shapes. *Journal of Science and Technology of Agriculture and Natural Resources! Water and Soil Science*, Vol. 17, No. 64, 197-206.
- 43- Hashemi, S. E., M. Heidarpour and B. Mostafazadeh-Fard. 2011. Investigation of nitrate removal in two forms of biofilter position in subsurface drainage systems. *Irrigation Sciences and Engineering (Scientific Journal of Agriculture)*, Vol. 34, No. 2, 71-81.
- 44- Kiani, M., M. Gheysari and B. Mostafazadeh-Fard. 2013. Estimation of genetic coefficients and evaluation of OILCROP-SUN model under different levels of nitrogen fertilizer. *Journal of Water and Soil Resources Conservation*, Vol. 2, No. 3, 1-11.
- 45- Meidanshahi, M., S. F., Mousavi and B. Mostafazadeh-Fard. 2013. Effect of PRD Deficit-irrigation Method and Growth Stabilizer on Yield, Yield Components and Water Use Efficiency of Safflower. *Journal of Crop Production and Processing (JCPP)*, Vol. 3, No. 8, 37-51.
- 46- Kiani, M., M. Gheysari, B. Mostafazadeh-Fard, M. M. Majidi and E. Landi. 2014. Determination of crop water use and crop coefficient of two hybrids of sunflower (Euroflor and Sirna) under drip-tape irrigation system. *Journal of Science and Technology of Agriculture and Natural Resources! Water and Soil Science! Vol. 18, No. 67, 289-299.*
- 47- Barati, Kh., B. Mostafazadeh-Fard and A. A. Sheikhabaei. 2014. Merus Ring, a New Approach for Reducing Sediment in Drip Irrigation System. *Journal Water and Soil (Agricultural Sciences & Technology)*, Vol. 28, No. 4, 717-728.
- 48- Molaei, B., M. Gheysari, B. Mostafazadeh-Fard, E. Landi and M. M. Majidi. 2015. Evaluation of yield and yield characteristics of two potato varieties under sprinkler and trickle irrigation systems. *Journal of Science and Technology of Agriculture and Natural Resources! Water and Soil Science (JWSS)*, Vol. 19, No. 71, 241-251.
- 49- Marzi, M., B. Mostafazadeh-Fard, S. F. Mousavi, M. R. Yazdani and M. R. Alizadeh. 2015. Effects of Different Tillage Equipments on Moisture Characteristics Curve of Dominant Paddy Soil in Guilan Province. *Journal of Science and Technology of Agriculture and Natural Resources, Water and Soil Science (JWSS)*, Vol. 19, No. 72, 177-187.
- 50- Kamyab, F., B., Mostafazadeh-Fard, M. Vazifehdoust, M. Shayan-Nejad and M. Navabian. 2016. Yield simulation and determination of salinity threshold values for wheat and barley using SWAP model (Case study for Garmsar plain). *Journal of Agricultural Engineering, Shahid Chamran University of Ahvaz, Iran.*
- 51- Monjshirini, M., A. Salari, B. Mostafazadeh-Fard, and E. Landi. 2016. Effect of Irrigation Water Salinity on Soil Chemical Characteristics under Drip Irrigation System (T-Tape). *Journal of Irrigation and Water Engineering*, Vol. 6, No. 22, 102-113.
- 52- Monjshirini, M., B. Mostafazadeh-Fard, A. Salari and E. Landi. 2016. Effect of Irrigation Water Salinity on Yield and Yield Components of Corn under T-Tape Irrigation System. *Iranian Journal of Irrigation and Drainage*, Vol. 10, No. 1, 83- 93.

53- Aghajani, M., B. Mostafazadeh-Fard and M. Navabian. 2016. Investigating interbasin virtual water in Sefidroud basin. Iranian J. of Soil and Water Research (IJSWR), Vol. 47, No. 3, 569- 579.

54- Aghajani, M., B. Mostafazadeh-Fard and M. Navabian. Local evaluation and validation of SWAP model for rice cultivation in Sefidroud basin. Iranian J. of Soil and Water Research (IJSWR).

**International Journal Articles:**

1- Mostafazadeh, B. and W. R. Walker. 1987. Furrow geometry under surge and continuous flow. Iran Agricultural Research, Vol. 6, No. 2, 57-71.

2- Mostafazadeh, B. and H. M. Malano. 1996. Infiltration in cracking clay soils as affected by soil initial moisture content. Iran Agricultural Research, Vol. 15, No. 2, 133-154.

3- Mostafazadeh-Fard, B., M. Faramarzi, S. F. Mousavi and M. Torabi. 2005. Evaluation of Hooghoudt's equation for computing subsurface drain spacing. International Agricultural Engineering Journal, Vol. 14, No. 1, 11-18.

4- Abedi-Koupai, J., B. Mostafazadeh-Fard, M. Afyuni, and M. R. Bagheri. 2006. Effect of treated wastewater on soil chemical and physical properties in an arid region. Plant, Soil and Environment, Vol. 52, No. 8, 335-344.

5- Brady, J. A., Wesley W. W. Wallender, I. Werner, B. Mostafazadeh-Fard, F. G. Zalom, M. N. Oliver, B. W. Wilson, , M. M. Mata, J. D. Henderson, L. A. Deanovic and S. Upadhaya. 2006. Pesticide runoff from orchard floors in Davis, California, USA: A comparative analysis of diazinon and esfenvalerate. Agriculture, Ecosystems & Environment, Vol. 115, Issues 1-4, July, 56-68.

6- Mostafazadeh-Fard, B. and B. Moravejalahkami. 2006. The performance of Gholam-gardeshy furrow irrigation. International Journal of Agriculture and Biology, Vol. 8, No. 5, 698-702.

7- Mostafazadeh-Fard, B. and Wesley W. W. Wallender. 2006. A model study on irrigation efficiency and salinity control under shallow water table conditions. International Journal of Agriculture and Biology, Vol. 8, No. 6, 736-744.

8- Mostafazadeh-Fard, B., Y. Osroosh and S. Eslamian. 2006. Development and evaluation of an automatic surge flow irrigation system. Journal of Agriculture & Social Sciences, Vol. 2, No. 3, 129-132.

9- Mostafazadeh-Fard, B., M. Heidarpour, A. Aghakhani and M. Feizi. 2007. Effects of irrigation water salinity and leaching on soil chemical properties in an arid region. International Journal of Agriculture and Biology, Vol. 9, No. 3, 466-469.

- 10- Heidarpour, M., B. Mostafazadeh-Fard, J. Abedi Koupai and R. Malekian. 2007. The Effects of treated wastewater on soil chemical properties using subsurface and surface irrigation methods. *Agricultural Water Management*, Vol 90, Issues 1-2, 87-94.
- 11- Feizi, M., A. Aghakhani, B. Mostafazadeh-Fard and M. Heidarpour. 2007. Salt tolerance of wheat according to soil and drainage water salinity. *Pakistan Journal of Biological Sciences*, Vol. 10, No. 17, 2824-2830.
- 12- Mostafazadeh-Fard, B. M. Heidarpour, A. Aghakhani and M. Feizi. 2008. Effects of leaching on soil desalinization for wheat crop in an arid region. *Plant, Soil and Environment*, Vol. 54, No. 1, 20-29.
- 13- Mousavi, S. F., B. Mostafazadeh-Fard, A. Farkhondeh and M. Feizi. 2009. Effects of deficit irrigation with saline water on yield, fruit quality and water use efficiency of Cantaloupe in an arid region. *Journal of Agricultural Science and Technology*, Vol. 11, 469-479.
- 14- Mostafazadeh-Fard, B., H. Mansouri, S. F. Mousavi and M. Feizi. 2009. Effects of different levels of irrigation water salinity and leaching on yield and yield components of wheat in an arid region. *Journal of Irrigation and Drainage Engineering*, American Society of Civil Engineering Vol. 135, Issue 1, 32-38.
- 15- Mostafazadeh-Fard, B., H. Mansouri, S. F. Mousavi and M. Feizi. 2008. Application of SWAP model to predict yield and soil salinity for sustainable agriculture in an arid region. *International Journal of Sustainable Development and Planning*, Vol. 3, No. 4, 334-342.
- 16- Mostafazadeh-Fard, B. M. Heidarpour and S. E. Hashemi. 2009. Species factor and evapotranspiration for an Ash (*Fraxinus rotundifolia*) and Cypress (*Cupressus arizonica*) in an arid region. *Australian Journal of Crop Sciences*, Vol. 3, No. 2, 71-82.
- 17- Mousavi, S. F., S. Yousefi-Moghadam, B. Mostafazadeh-Fard, A. Hemmat and M. R. Yazdani. 2009. Effect of puddling intensity on physical properties of a silty clay soil under laboratory and field conditions. *Paddy and Water Environment*, Vol. 7, 45-54.
- 18- Heidarpour, M., B. Mostafazadeh-Fard, A. Arzani, A. Aghakhani and M. Feizi. 2009. Effects of irrigation water salinity and leaching fraction on yield and evapotranspiration in spring wheat. *Communications in Soil Science and Plant Analysis*, Vol. 40, No. 14, 2521-2535.
- 19- Ghane, E., M. Feizi, B. Mostafazadeh-Fard and E. Landi. 2009. Water productivity of winter wheat in different irrigation/planting methods using saline irrigation water. *International Journal of Agriculture and Biology*, Vol. 11, No. 2, 131-137.
- 20- Moravejalahkami, B., B. Mostafazadeh-Fard, M. Heidarpour and F. Abbasi. 2009. Furrow infiltration and roughness prediction for different furrow inflow hydrographs using zero-inertia model through multilevel calibration approach. *Biosystems Engineering*, Vol. 103, No. 3, 374-381.
- 21- Mohammadzadeh-Habili, J. and B. Mostafazadeh-Fard. 2009. Hydraulic calculation of field drain pipe diameter: Using the theory of spatially-varied flow with increasing discharge. *Biosystems Engineering*, Vol. 106, No. 4, 559-563.



- 22- Mousavi, S. F., S. Soltani and B. Mostafazadeh-Fard. 2010. Effects of partial rootzone drying on yield, yield components and irrigation water use efficiency of canola (*Brassica napus* L.). *Paddy and Water Environment*, Vol. 8, 157-163.
- 23- Mostafazadeh-Fard, B., F. Jafari, S. F. Mousavi and M. R. Yazdani. 2010. Effects of irrigation water management on yield and water use efficiency of rice in cracked paddy soils. *Australian Journal of Crop Science*, Vol. 4, No. 3, 136-141.
- 24- Mostafazadeh-Fard, B., R. Kavei-Deylami, S. H. Saghaian-Nejad and A. Jalalian. 2010. The comparison of erosion of meandering and standard furrow irrigation under different field slopes. *Australian Journal of Agricultural Engineering*, Vol. 1, No. 2, 29-37.
- 25- Mostafazadeh-Fard, B., R. Kavei-Deylami, S. H. Saghaian-Nejad and A. Jalalian. 2009. The comparison of advance and erosion of meandering furrow irrigation with standard furrow irrigation under varying furrow inflow rates. *Irrigation and Drainage Systems*, Vol. 23, No. 4, 181-189.
- 26- Feizi, M., M. A. Hajabbasi and B. Mostafazadeh-Fard. 2010. Saline irrigation water management strategies for better yield of safflower (*Carthamus tinctorius* L.) in an arid region. *Australian Journal of Crop Science*, Vol. 4, No. 6, 408-414.
- 27- Mostafazadeh-Fard, B., M. Khoshraves, S. F. Mousavi and A. R. Kiani. 2010. Effects of magnetized water and irrigation water salinity on soil moisture distribution in trickle irrigation. *Journal of Irrigation and Drainage Engineering*, American Society of Civil Engineering, Vol. 137, No. 6, 398-402.
- 28- Ghane, E., B. Mostafazadeh-Fard, M. Feizi and E. Landi. 2011. Effect of water quality and different planting methods on wheat yield. *Communications in Soil Science and Plant Analysis*, Vol. 42, No. 4, 369-380.
- 29- Hashemi, S. E., M. Heidarpour and B. Mostafazadeh-Fard. 2011. Nitrate removal using different carbon substrates in laboratory model. *Water Science and Technology*, Vol. 63, No. 11, 2700-2706.
- 30- Aghakhani, A., S. F. Mousavi, B. Mostafazadeh-Fard, R. Rostamian and M. Seraji. 2011. Application of some combined adsorbents to remove salinity parameters from drainage water. *Desalination*, Vol. 275, Issue 1-3, 217-223.
- 31- Khoshraves, M., B. Mostafazadeh-Fard, S. F. Mousavi and A. R. Kiani. 2011. Effects of magnetized water on the distribution pattern of soil water with respect to time in trickle irrigation. *Soil Use and Management*, Vol. 27, Issue 4, 515-522.
- 32- Mousavi, S. F., M. Moazzeni, B. Mostafazadeh-Fard and M. R. Yazdani. 2012. Effects of Rice Straw Incorporation on Some Physical Characteristics of Paddy Soils. *Journal of Agricultural Science and Technology*, Vol. 14, 1173-1183.
- 33- Mousavi, S. F., M. Esteki, B. Mostafazadeh-Fard, S. Dehghani and M. Khorvash. 2012. Linear and nonlinear modeling for predicting nickel removal from aqueous solutions. *Environmental Engineering Science*, Vol. 29, Issue 8, 765-775.

- 34- Moravejalahkami, B., B. Mostafazadeh-Fard, M. Heidarpour and F. Abbasi. 2012. The effects of different inflow hydrograph shapes on furrow irrigation fertigation. *Biosystems Engineering*, Vol. 111, Issue 2, 186-194.
- 35- Moravejalahkami, B., B. Mostafazadeh-Fard, M. Heidarpour and F. Abbasi. 2012. Comparison of multilevel calibration and volume balance method for estimating furrow infiltration. *Journal of Irrigation and Drainage Engineering*, American Society of Civil Engineering, Vol. 138, No. 8, 777-781.
- 36- Soroush, F., B. Mostafazadeh-Fard, S. F. Mousavi and F. Abbasi. 2012. Solute distribution uniformity and fertilizer losses under meandering and standard furrow irrigation methods. *Australian Journal of Crop Science*, Vol. 6, No. 5, 884-890.
- 37- Soroush, F., J. D. Fenton, B. Mostafazadeh-Fard, S. F. Mousavi and F. Abbasi. 2013. Simulation of furrow irrigation using the slow-change/slow-flow equation. *Agricultural Water Management*. Vol. 116, 160-174.
- 38- Mostafazadeh-Fard, B., Khoshravesh, M., S. F. Mousavi and A. R. Kiani. 2012. Effects of magnetized water on soil chemical components underneath trickle irrigation. *Journal of Irrigation and Drainage Engineering*, American Society of Civil Engineering. Vol. 138, No. 12, 1075-1081.
- 39- Aghakhani, A., S. F. Mousavi and B. Mostafazadeh-Fard. 2013. Desalination of saline water with single and combined adsorbents. *Desalination and Water Treatment*. Vol. 51, Issue 7-9, 1928-1935.
- 40- Khoshravesh, M., B. Mostafazadeh-Fard, M. Heidarpour and A. R. Kiani. 2013. AquaCrop model simulation under different irrigation water and nitrogen strategies. *Water Science and Technology*, Vol. 67, No. 1, 232-238.
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