

Curriculum vitae

**NAME:** FARAHPOUR Mehdi

**DATE OF BIRTH:** 24 September 1954

**Address:** Research Institute of Forests and Rangelands, P.O. Box 13185-116,  
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### **Education:**

**Ph.D.** Production Ecology and Resource Conservation, Wageningen, the Netherlands 2002.

**Thesis:** A planning Support System for Iran's Rangeland Allocation: Case of Chadegan sub-region.

**M.Sc.** Range Management University of Tehran- Karaj, Iran 1992

**Thesis:** the effect of Water absorbent on seed germination and plant establishment using seed coating technique.

**B.Sc.** Forest and Range Engineering, University of Mazandaran - Sari, Iran 1978

### **COURSES TAUGHT:**

Modelling rangeland ecosystems, Ph.D. course at Free University of Iran, Science and Research Unit, Tehran, Iran. 2003 – continued

Basis of Rangeland Modelling. Ms.c. course at Free University of Iran, Science and Research Unit, Tehran, Iran. 2004-2008

Mapping Land Cover and Vegetation Habitat, Joint courses of Ministry of Jihad-e-Keshavarzi, and Khajenasir University, Tehran, Iran and International Institute of Geoinformation Science and Earth Observation, ITC, Enschede, The Netherlands. 2003.

Introduction to planning support systems. Joint courses of Ministry of Jihad-e-Keshavarzi, and Khajenasir University, Tehran, Iran and International Institute of Geoinformation Science and Earth Observation, ITC, Enschede, The Netherlands. 2003.

Range Ecology, Esfahan University of Technology. 1993

Range Management and Improvement, Esfahan Jihad Training Center for Higher Education. 1992

Range Analysis and Inventory, Esfahan Jihad Training Center for Higher Education. 1992.

GIS and Range Management, Esfahan University of Technology, Esfahan

Jihad Training Center for Higher Education and Forest and Range Research  
Institute of Iran. 1993-1995

### **PUBLICATIONS:**

- Arzani, H.; Kaboli, H. Mirdavodi, H.R.; Farahpour, M., Azimi, M. 2008.** Ability of TM & ETM+ images on prediction of rangeland plants cover in arid zones. Case of Markazi province of Iran. Iranian Journal of Range and Desert Research, Research Institute of Forests and Rangelands: 15(3)
- Azimi, M., Farahpour, M. Borhani, M. 2008.** Rangeland day as a tool for monitoring propagation. Grassland/Rangeland Conference held in China
- Javadi, S.A.; Arzani, H.; Salajeghe, A.; Farahpour, M.; Zahedi, G. 2007.** Determination of suitability of water resources for grazing of camel with assistant of GIS. Iranian Journal of Range and Desert Research, Research Institute of Forests and Rangelands: 14(4).
- Jamali A.A., Ghodosi, J. Farahpour M. 2007.** Multi Criteria Analysis for Finding the Best Economic pitting sites Against Rangeland Degradation. Eight international conference on computing Anticipatory Systems. HEC-ULg, LIEGE, Belgium. Abstract Book. Published by CHAOS asbl.
- Godarzi, M.; Farahpour, M. 2007.** Segmentation of rangelands and rainfed cereals in a GIS environment. Case of Taham in Zanjan province of Iran. Iranian Journal of Range and Desert Research, Research Institute of Forests and Rangelands: 14(3).
- Ehsani, A.; Arzani, H.; Farahpour, M.; Ahmadi, H.; Jafari, M.; Jalili, A. 2007.** Effect of climatic factors on range forage production in steppe regions, AkhtarAbad, Save, Iran. Iranian Journal of Range and Desert Research, Research Institute of Forests and Rangelands: 14(2)
- Jamali, A.A.; Ghodosi, J.; Farahpour, M.; 2007.** Rangeland suitability determination for biological erosion control via spatial decision support system. Iranian Journal of Range and Desert Research, Research Institute of Forests and Rangelands: 14(2)
- Mosavi, A.; Farahpour, M.; Shokri, M. Solimani, K., Godarzi, M. 2006. Twenty years monitoring of density change of rangelands vegetation of Lar Dam, Damavand, Iran, using RS and GIS. Iranian Journal of Range and Desert Research, Research Institute of Forests and Rangelands: 13(3)

- Godarzi, M.; Farahpour, M.; Mosavi, A. 2006.** Land cover and range condition mapping via TM images. Case of Namrod watershed. Iranian Journal of Range and Desert Research, Research Institute of Forests and Rangelands: 13(3).
- Zarechhoki, M.A.; Jafari, M. Azarnivand, H.; Moghadam, M.R.; Farahpour, M. 2008.** Application of logistic regression on determination of relation between plants presence and environmental factors. Case of Poshtkoh, Yazd province, Iran. Pashohesh va Sazandegi, 20(3).
- Khalighi, M.; Khalighi, N.; Farahpour, M.; 2006.** Social and ecological stability of range utilization regimes. Case of Dam, Tehran, Iran. Iranian Journal of Range and Desert Research, Research Institute of Forests and Rangelands: 13(2).
- Arzani, H.; Mirdavodi, H.R.; Farahpour, M.; Azimi, M.; Kaboli, H.; Akbarzadeh, M.; Mozafarian, V. 2005.** Range change detection in Markazi province of Iran in a period of five ears Iranian Journal of Range and Desert Research, Research Institute of Forests and Rangelands: 13(3).
- Farahpour, M. Ghayour, F. Sharbaf, H. and Yosefizadeh, A. 2005.** comparison of oil and non oil Mulches on seed germination and sand dune stabilization. Iranian Journal of Range and Desert Research, Research Institute of Forests and Rangelands: 12(3)
- Arzani, H. Abdolahi, J. Farahpour, M. and Azimi, M. 2005.** Five years range condition monitoring results. Iranian Journal of Range and Desert Research, Research Institute of Forests and Rangelands: 12(3)
- Azimi, M. Mesdaghi, M. Farahpour, M. 2005.** Study of the Relationship of *Cyamophyla dicora loginva* population and vegetation parameters of *Astraglaus adscendens* in Feridounshahr, Isfahan. J.Sci.&Technol.Agric.&Natur.Resou., Vol.9, No.3: pp.243-252
- Salar, N. Farahpour, M. Bahadori, F. 2005.** Effect of Terra Cotten, a water absorbent polymer, on shortening of water requirement of sweet melon in dry condition of Semnan province of Iran. Proceeding of the third Specialized Training Course and Seminar on the Application of Surrer absorbent Hydrogels in Agriculture. Iran Polymer and Petrochemical Institue.
- Arzani, H. Yousefi, Sh., Jafari, M., Farahpour, M. 2005.** A Model for Determination of Range Suitability for Sheep Grazing, Using GIS with the case of Taleghan Region in Tehran province. J. Environmental Studies Vol. 31 No. 1.
- Frahpour, M. Keulen, H. Sharifi, M.A. and Bassiri, M. 2004.** A planning Support System for Range Allocation In Iran With Case Study of Chadegan Sub-Region. Rangel. J. 26(2). Pp. 225-236.

**Arzani, H.; yosefi, Sh.; Jafari, M.; Farahpour, M.; 2005.** Rage suitability classification for grazing of sheep in Taleghan. Journal of environment, University of Tehran. 37(1).

**Farahpour, M. Marshal, H. 2002.** Background paper for launching meeting for the Asian Thematic program network on rangeland management and fixation of shifting sand dunes. United Nations Convention to Combat Desertification and Forest, Range and Watershed Organization of Iran. Held in Yazd, Iran. May 2001

**Farahpour, M. 2001.** Evolution of Range Research in Iran, proceedings of the First Seminar of Range and Livestock Management. Published by Research Institute of Forests and Rangelands.

**Farahpour, M. 1991.** Mosir (*Allium ascalonicum*) a by-product of rangelands. J. of Keshavarzi&dam, ministry of Jihad-e-sazandegi 10:66-71.

**Farahpour, M. 1992,** A study of rangelands in Shiraz, Engineering Integrating Co. Tehran, Iran.

**Farahpour, M. 1992.** The effect of water absorbent on seed germination and establishment of some Iranian range species. Ms. Thesis. Faculty of Natural Resources, University of Tehran, Karaj, Iran.

**Farahpour, M. 1995.** Study of Dastkan Sub- basin volum 10 Synthesis of information, Engineering Services Co. Esfahan Bureau, Esfahan, Iran. 430pp.

**Farahpour, M. 1995,** Silvicultural study of Armand Catchment, Volum 10, Synthesis of Information using GIS. Engineering Services Co. Esfahan Bureau, Esfahan, Iran.

**Farahpour M. 1993.** Terms used in Range Management. Esfahan Rech Center for Animal Science and Natural Resources.

### **Thesis supervised:**

**Naseri, A. 2009.** Modelling distribution of livestock on rangelands using GPS. Case of Sahand rangeland, Iran. Ms.C. thesis Free university of Iran, research and science unit, Tehran, Iran

**Khalesi, H. 2009** Distribution of livestock on ragelands using multi criteria evaluation model. Case of Jashlobar, Semnan, Iran. Ms.C. thesis Free university of Iran, research and science unit, Tehran, Iran.

**Ehsani, A. 2007. Determination of site index for estimation of range production of steppe rangelands. Ph.D. thesis. Faculty of Natural Resources, University of Tehran.**

**Amiri, F.**

**Mostafaei, . 2007.** Determination of range suitability for sheep. Case of Jashlobar, Semnan. Free university of Iran, research and science unit, Tehran, Iran.

**Mahdavi, M. 2006. Range evaluation on the basis of range health method. Ph.D. thesis.** Free university of Iran, research and science unit, Tehran, Iran.

**Jaberansari, SH.; 2006.** Determination of relation between soil and vegetation using artificial intelligence. Ph.D. Free university of Iran, research and science unit, Tehran, Iran.

**Mostasharnazami, N. 2006.** Creation of smart database for range data analysis. Ms.c. thesis. Free university of Iran, research and science unit, Tehran, Iran.

**Kamyab, M. 2006.** Comparison of range vegetation changes in short, mid, and long term exclosures. Ms.c. thesis Free university of Iran, research and science unit, Tehran, Iran.

Eftekhari

**Hakimi, M. 2003.** Potential and constraints for cropping alfalfa in Varamin. Iranian University of KHajenasir and ITC, Enschede, The Netherlands.

**Moshtaghkahnemori, M.H. 2003,** The relationship between annual diameter growth and environmental factors for Fagus Orientalis, Iranian University of KHajenasir and ITC, Enschede, The Netherlands.

**Theses advised:**

Ph.D.

**Javadi, A.; 2007.** Modelling range suitability for Camel using GIS. Case of Halvan, Tabas, Iran. Free University of Iran Research and Science Unit.

Jamali, A.A. 2007. Determination of suitable areas for biological erosion control using spatial decision support systems. Free University of Iran Research and Science Unit.

Zarechahoki, M.A. 2006. Modelling plants distribution in arid and semi arid zones. Case of Poshtkoh, Yazd province, Iran. Free University of Iran Research and Science Unit.

Aghamohseni fashami, M. 2007. Carbon sequestration in rangelands of south Alborz. Free University of Iran Research and Science Unit.

Ms.C.

Norian, B.; 2007. GIS based range suitability classification for sheep in humid areas, Mazandaran province of Iran. Free University of Iran Research and Science Unit.

Ramazani, M. 2007. Soil assessment through grading soil cover for measuring soil surface situation. Free University of Iran Research and Science Unit.

**Rezaei, M. 2005.** Determination of effective factors on reconversion of Rainfed Cereal to Rainfed Forage in Fereidonshahr of Isfahan. Faculty of Natural resources, Esfahan University of Technology.

**Refaei,**

**Zahedi, S. 2002.** Determination of grazing period for Semiroim Region using IRS-WIFS images. Faculty of Natural resources, Esfahan University of Technology.

**Azimi, M. 2002.** Ecology and management of rangelands covered by Astragalus ascendance. Faculty of Natural Resources, University of Gorgan.

**Tavafi, S. 2001.** Assessment of reconversion of rainfed cereals into rainfed Forages. Faculty of Natural Resources, University of Tehran.

**Hosseini, Z. 1999.** Land use mapping through ETM image interpretation. Faculty of Natural Resources, University of Tehran.

**Khalighi, M. 1999.** Assessing various range management and their effect on land deterioration. Faculty of Natural Resources, University of Gorgan.

**Mohajeri, A. R. 2000.** Role of range management on range capacity and condition. Imam Khomains Higher Training Center, Tehran, Iran

**Mirsaeidi, A. 2000.** Soil seed bank. A case of Kohpaye region of Esfahan province. Imam Khomains Higher Training Center. Tehran Iran

**Chitsaz, R. 1999.** Possibility of mapping salinity of Segzi region in Esfahan using RS and GIS. Faculty of Natural Resources Esfahan University of Technology, Esfahan, Iran.

**Iravani, M. 1999.** Determination of habitat of three rangeland plants species using RS and GIS. Case of Vahregan catchment. Faculty of Natural Resources Esfahan University of Technology, Esfahan, Iran.

**Ansari, W. 1999.** Autecology of *Atriplex verrucifera* M.B. Faculty of Natural Resources, Esfahan University of Technology, Esfahan, Iran.

**Ebrahimi, S. 1998.** Modeling range capacity through application of GIS. Faculty of Natural Resources, University of Tarbiat Modares, Noor, Iran.

**Moshtaghian, M. B. 1997.** Seed germination test and salinity resistance assessment of *Salsola Rigida* Pallas and *Nitraria shoberi* L. Faculty of Natural Resources, Tehran University, Karaj, Iran.

**Moslemi, M.R. 1997.** A study of soil and water relationship using ordination methodology. A case of Kolahghazi National Park. Faculty of Natural Resources, University of Tarbiat Modares, Noor, Iran.

**Sadeghian, M. 1996.** Analysis of some Iranian rangeland plants. Khorasan Free University, Esfahan, Iran.

### **Professional Experiences**

Research Deputy of Research Institute of Forests and Rangelands (RIFR).  
2006- continued

Chairman of extension committee of Research Institute of Forests and Rangelands (RIFR). 2007- continued

Member of scientific board of the second arid ecosystem management. 2007

Member of Science and technique committee of RIFR. 2006

Member of evaluation of natural resources research plans. 2006

Member of steering committee of holistic management of conserved regions held at Iranian Department of Environment 2004-2006.

Member of Range, Forest and Medicinal plants committee for assessment of environmental damages caused by Iraq-Kuwait war. 1998-1999

Task Manager of Thematic Program Network 3 of UNCCD. 2000-2006

Head of Department of Range Research of Forest and Range Institute of Iran, Tehran, Iran. 2000-2005.

Member of Scientific committee of the second and third Range and Range management Seminars 2001 and 2003

Consultant of UNDP on Zagros Forest Management plan. 2003

Manager of International Range and Agriculture courses held at University of Khaje Nasir, Tehran in sake of the Netherlands and Iran training joint programs.

Member of Scientific committee of National seminar on land management and soil degradation. 1999.

Member of Scientific committee of National seminar on Range and Livestock Management. 1999.

Head of Division of Watershed Management of Esfahan Research Center for Animal Science and Natural Resources, Esfahan, Iran. 1997 - 2000

Research Deputy-Director of Esfahan Research Center for Animal Science and Natural Resources, Esfahan, Iran. 1995 – 1997.

Director of Esfahan Research Center for Animal Science and Natural Resources, Esfahan, Iran. 1991 – 1994.

Head of Range Department of Charmahal's Jihad Organization in Charmahal-e-Bakhtiari province of Iran. 1987 – 1991.

### **Research conducted**

Plantation and development of algae as a fodder sources 2008-2009  
Assessment of Secale cereal as a compensatory feed resource. 2008-2010  
Determination of attainable forage of rangelands of Iran. 2006-2010  
Inventory and assessment of range and livestock balance national program. 2001-2005.  
Prediction of range production using rainfall. 2001-2006  
Adaptability of some rangeland species on various Iranian climatic conditions. 2001-2006  
Stabilization of sand dunes in sake of rangeland plants establishment. 2004  
Effect of deferred grazing system on range vegetation in Semnan province. 2004-2009

### **Research assisted**

Range assessment in various climatic conditions. 2001-2006  
Economic analysis of range management plans and determination of economic enterprises. 2001-2005.  
Demarcation of rangelands and rainfed cereal areas via remote sensing using agricultural calendar. 2003-2005.  
Lowering of water requirement by application of water absorbent materials. 2004.  
Determination of maximum time required for rehabilitation of Semnan semi-steppe rangelands. 2004-2007  
Assessing success of cultivation of Secale montanum in participatory system. 2004-2007.  
Introduction of suitable species could be used in water spreading programs. 2001-2005.  
Prediction of phenological stages of important rangeland plants of Tehran province by calculation of their thermal units. 2004-2008.  
Monitoring plan of damaged rangeland during Iraq-Kuwait war. 2000-2002.  
Study of the best method and reiteration of harvesting Gaz angabin, a sweet manna. 1992-1996.  
Production of 12 rainfed alfalfa in weeded and non weeded condition. 1990-1994.  
Study of germination reduction of five rangeland species. 1994-1996.  
Study of methods of breaking seed dormancy of 10 rangeland species. 1994-1996.  
Preparation of integrated information on Zayande-rod watershed. 1995-1999.



**Research interests:**

Range ecology

Vegetation monitoring and survey

Productivity measurement

Socio-economic assessment of natural resources

Modeling range ecosystems from socio-economic point of view

Land degradation assessment

Seed technology

Seed ecology of range species