

IN THE NAME OF GOD
RESUME



I) PERSONAL INFORMATION

Name: **Reza Erfanzadeh**

Date of birth: **11-08-1972**

Place of Birth: **Bajestan, Khorasan Razavi, IRAN**

Marital stage: **MARRIED (Having two children)**

Address: DEPARTMENT OF RANGELAND MANAGEMENT, FACULTY OF NATURAL RESOURCES, TARBIAT MODARES UNIVERSITY, NOOR 46417-76489, IRAN.

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II) EDUCATIONAL RECORDS

Degree Institute Field Date

B.Sc. Rangeland & Watershed Department, Gorgan University, Iran, 1994

M.Sc. Rangeland Management Department, Tarbiat Modares University, Iran, 1997

Ph.D. Terrestrial Ecology Group, Ghent University, Belgium, 2008

III) EXPRIENCES

-Academic Staff, Sistan & Baluchestan University, 1997-1999

- Academic Staff, Tarbiat Modares University, 1999-2004

- Assistant professor, Tarbiat Modares University, 2008-2014

- Associate Professor, Tarbiat Modares University, since 2014

IV) MEMBERSHIP OF SCIENTIFIC SOCIETIES

1) Member of Iranian Association of Rangeland Management, since 1999.

V) REFERREE FOR JOURNAL ARTICLE SUBMITTED TO:

1. Journal of Natural Resources, University of Tehran, Iran

2. Journal of Natural Resources, University of Gorgan, Iran

3. Rangeland Journal, Iranian Association of Rangeland Management

5. Journal of Pazhohesh and Sazandegi, Iran

6. Journal of Natural Resources Research, Azad Eslami University of Noor

7. International Journal of Natural Resources and marine Sciences, Tarbiat Modares University, Iran

VI) RESEARCH INTERESTS:

1) Soil seed bank analysis

- 2) phytosociology in Rangelands
- 3) Rangelands evaluation and inventory

VII) RESEARCH PUBLICATIONS:

- Erfanzadeh, R.**, Arzani, H., 1999, Comparison of four point sampling methods for cover measurement in grass and shrub communities. *Pajuhesh & Sazandegi*, 44: 81-83 (in Persian).
- Erfanzadeh, R.**, Arzani, H., 2000, Comparison of usable states of point frame for cover measurement in grass and shrub land communities. *Daneshvar*, 31: 21-28 (in Persian).
- Erfanzadeh, R.**, Arzani, H., 2002, Study on the effects of phenological stages on forage quality of *Trifolium repens* L. and *Vicia tetrasperma* (L.) Schreb. species. *Pajuhesh & Sazandegi*, 55: 96-98 (in Persian).
- Erfanzadeh, R.** and Sadeghi, S.H.R., 2003. Study on Forage Quality of Some Legumes in Different Phonological Stages in Iran, *African Journal of Range and Forage Sciences*, 20(2):1750.
- Omidbeigi, R., **Erfanzadeh, R.**, Zarekia. S., 2003, Study on some ecological parameters of *Cilybum marianum* L. in Behdasht, Noor. *Pajuhesh & Sazandegi*, 58: 100-101 (in Persian).
- Erfanzadeh, R.**, Vafakhah, M., 2003, Determination of the relationship between edaphic factors and forage quality for two rangeland species (*Vicia tetrasperma* and *Trifolium repens*). *Pajuhesh & Sazandegi*, 58: 101-102 (in Persian).
- Jafari, M., Niknahad, H., **Erfanzadeh, R.**, 2003, Study on the effect of *Haloxylon`*s plantation on vegetation in Hosseinabad, Qom, *Biaban* 8: 152-160. (in Persian).
- Erfanzadeh, R.**, Arzani, H., 2003, Study on effects of phenological stages and soil characteristics on forage quality of two range species of *Trifolium pratense* and *Coronilla varia* (case study: Javaherr Deh, Ramsar). *Pajuhesh & Sazandegi*, 58: 1-4. (in Persian).
- Moradi, H .R, Tahmasbi, A. **Erfanzadeh, R.**, 2004. Study of Relation vegetation cover, soil and Geomorphologic Factors in Kasilian Watershed Using GIS, *J. of Agri. Sciences and Natural Resources of Khazar* 2: 38-53. (in Persian).
- Arzani, H., Farazmand, S., **Erfanzadeh, R.**, 2005. Determination of unit animal daily forage requirement for sheep (Zel race) grazing in Mazanderan rangelands (case study: west Mazanderan rangelands). *Iranian Journal of Natural Resources* 58: 447-456. (in Persian).
- Sadeghi, S.H.R., Fattahi, B. Safaeian, N. **Erfanzadeh, R.** 2005. Effects of grazing on some of the soil physico-chemical characteristics in the Lar National Park, Iran. *Hydrology Journal of Indian Associations of Hydrologists*, 28(1-2):79-88.
- Mohebbi, A., Jafari, M., **Erfanzadeh, R.**, Teimurzadeh, A., 2005. Study on the relationship between morphological parameters (slope, aspect and altitude) and soil factors with cover and density of *Trifolium pratense*) in Fandoghlu rangelands, Ardebil. *Forest and Rangeland* 67: 11-16 (in Persian).
- Jafari, M., Rasouli, B., **Erfanzadeh, R.**, 2005, Study on the effect of *Haloxylon aphyllum*, *Atriplex canescence* and *Tamarix aphylla* plantation on soil characteristics along Tehran-Qom highway. *Iranian Journal of Natural Resources* 58: 921-930. (in Persian).

- Erfanzadeh, R.**, Rostami Souraki, A., Kashi Pazha, A.H., Niknahad, H., 2006. Study on forage quality of three gramineae species in three phenological stages. *Bulletin of Agricultural Sciences and Natural Resources* 4: 54-66. (in Persian).
- Mirzaali, A., Mesdaghi, M., **Erfanzadeh, R.**, 2006. The study of effects of enclosure on vegetation and soil surface in saline ranges of Gomishan, Golestan province. *Journal of Agricultural Sciences and Natural Resources* 13: 54-66. (in Persian).
- Arzani, H., Mirakey, F., **Erfanzadeh, R.**, 2006. Effects of altitude and phenological stages on forage quality of three rangeland species in Kordestan province (Saral region). *Journal of Agricultural Industries and Sciences*. (in Persian).
- Fattahi, B., Aghabeigi, S., Eildermi, A.R., Sabetpour, T., **Erfanzadeh, R.**, Ahmadipour, Sh., 2009, Investigation of the life form and chorology in plain areas in north of Iran (case study: Noor). *Geography and planning* 27: 1-15. (in Persian).
- Erfanzadeh, R.**, Hendrickx, F., Maelfait, J.-P., Hoffmann, M., 2010. The effect of successional stage and salinity on the vertical distribution of seeds in salt marsh soils. *Flora*, 205: 442-448.
- Erfanzadeh, R.** Pétilion, J., Maelfait, J.-P. & Hoffmann, M. 2010, Environmental determinism versus biotic stochasticity in the appearance of plant species in salt-marsh succession. *Plant Ecology and Evolution (formerly Belg. J. Bot.)*, 143(1): 43-50.
- Milotic, T., **Erfanzadeh, R.**, Pétilion, J., Maelfait, J.-P. & Hoffmann, M., 2010, Short-term impact of sheep grazing on vegetation dynamics in a newly created salt-marsh site. *Grass & Forage Science* 65: 121-132.
- Erfanzadeh, R.**, Garbutt, A., Pétilion, J., Maelfait, J.-P., Hoffmann, M. 2010. Factors affecting the success of early salt-marsh colonizers: seed availability rather than site suitability and dispersal traits. *Plant Ecology* 206: 335-347.
- Pétilion, J., **Erfanzadeh, R.**, Garbutt, A., Maelfait, J.-P., Hoffmann, M. 2010. Inundation frequency determines the post-pioneer successional pathway in a newly created salt marsh. *Wetlands* 30: 1097-1105.
- Erfanzadeh, R.** 2012. Impact of phanerogam and soil characteristics on bryophytes assemblage with respect to restoration practice (case study: IJzermonding, Belgium). *Ecopersia* 1(3): 205-215.
- Erfanzadeh, R.**, Hosseini Kahnuj, S.H., Azarnivand, H., Petillon, J. 2013. Comparison of soil seed banks of habitats distributed along an altitudinal gradient in northern Iran. *Flora* 312-320.
- Erfanzadeh, R.**, Hosseini Kahnuj, S.H., Petillon, J. 2014. Crude protein content does not determine the preference value of plant species for the Raini goat (*Capra aegagrus hircus* L.) in dry rangeland. *Desert* 19: 35-43.
- Erfanzadeh, R.**, Bahrami, B., Motamedi, J., Petillon, J. 2014. Changes in soil organic matter driven by shifts in co-dominant plant species in a grassland. *Geoderma* 213: 74-78.
- Erfanzadeh, R.**, Shahbazian, R., Zali, H. 2014. Role of plant patches in preserving flora from the soil seed bank in an overgrazed high-mountain habitat in Northern Iran. *Journal of Agricultural Sciences and Technology* 16: 229-238.
- Erfanzadeh, R.**, Ashrafzadeh, M., Hosseini Kahnuj, S.H., Alizadeh, A. 2014. Preference value evaluation of rangeland plant species for Kaboudeh sheep. *Journal of Rangeland Science* 4(3): 195-202.

- Erfanzadeh, R.**, Omidipour, R. Faramarzi, M. 2015. Variation of plant diversity components in different scales in relation to grazing and climatic conditions. *Plant Ecology and Diversity* 8(4): 537-545.
- Erfanzadeh, R.**, Hosseini Kahnuj, S.H. 2015. Soil seed bank characteristics in relation to distance from watering points in arid ecosystems (case study: Kahnuj, Kerman province). *Ecopersia*, 3(2): 975-986.
- Erfanzadeh, R.**, Kamali, P., Ghelichnia, H., Petillon, J. 2016. Effect of grazing removal on aboveground vegetation and soil seed bank composition in sub-alpine grasslands of northern Iran. *Plant Ecology and Diversity*, 9(3): 309-320.
- Erfanzadeh, R.**, Bahrami, B. Motamedi, J., Dianati Tilaki, Gh.A. Abedi, M. 2016. Impact of dominant shrub species on soil organic matter content in dry grassland habitats. *Ecopersia*, 4(2): 1379-1393. Zandi, L., Erfanzadeh, R., Joneidi Jafari, H. 2017. Rangeland use change to agriculture has different effects on soil organic matter fractions depending on the type of cultivation. *Land Degradation & Development*, 28: 175-180.
- Niknam, p., **Erfanzadeh, R.**, Ghelichnia, H., Cerda, A. 2018. Spatial variation of soil seed bank under cushion plants in a subalpine degraded grassland. *Land Degradation & Development*, 29: 4-14.

VIII) LIST OF PAPERS PRESENTED IN CONGRESSES AND SEMINARS:

- Erfanzadeh, R.**, 2000. An investigation on quality indices variation in two phenological stages in rangeland species. The First National Range and Range Management Seminar in Iran.
- Erfanzadeh, R.**, 2002. Study on forage quality of *Trifolium repens* in two phenological stages. The Second National Range and Range Management Seminar in Iran, 16-18 August 2002.
- Erfanzadeh, R.**, Moradi, H.R., 2003. Study on the trend of humid and dry years in Haraz watershed, The first National Conference on Study of the strategies to encounter water deficiency. Zabol, Iran.
- Erfanzadeh, R.**, Sadeghi, S.H.R. 2003. Forage quality of some legumes at different phonological stages in Iran. Proceeding of the VII International Rangelands Congress. Durban, South Africa.
- Sadeghi, S.H.R., Fattahi, B., Safaeian, N., **Erfanzadeh, R.**, 2004. Grazing Impacts on Infiltration Rate in a Part of Alborz Mountainous Rangelands, Iran, In: The Fourth International Iran and Russia Conference on Agriculture and Natural Resources, Shahre Kord, Iran, Sep. 8-10, 2004:987-990.
- Erfanzadeh, R.**, Omidbeigi, R., Zarekia, S., 2009. Necessity for conservation and extension of medicinal plant of *Silybum marianum* in the North of Iran., Scientific Conference on Medicinal Plants Industry Development in Iran, 28 February – 1 March 2010, Tehran, Iran.
- Pourfathi, M., Zare Chahuki, M.A., **Erfanzadeh, R.**, 2009. Study on relationship between vegetation and soil characteristics in the middle Taleghan watershed

(Mirash-Shahrasar). The 4th National congress on Range and Range Management, Javanshir Natural Resource Higher Education Center, Karaj, Iran, 27-29 October 2009.

Erfanzadeh, R., Fattahi, B., Safaeian, N., 2009. Study on the effect of animal grazing on vegetation and soil in summer rangeland of Polur, Iran. The 4th National congress on Range and Range Management, Javanshir Natural Resource Higher Education Center, Karaj, Iran, 27-29 October 2009.

Pourfathi, M., **Erfanzadeh, R.**, Ghelichnia, H., 2010. Study on the relationship between soil properties and vegetation in Haraz watershed, summer rangeland in Amol. 16th national and 4th international conference of biology, Ferdowsi University of Mashhad, Mashhad, Iran, 14-16 September 2010.

Erfanzadeh, R., Hoffmann, M., 2010. Impact of soil characteristics and phanerogam cover and height on bryophyte assemblages in dry sand dune habitat. 16th national and 4th international conference of biology, Ferdowsi University of Mashhad, Mashhad, Iran, 14-16 September 2010.

Hosseini Kahnuj, S.H., Niknahad, H., **Erfanzadeh, R.**, 2010. Study on forage quality of *Brachypodium pinnatum* in the three different phenological stages. 16th national and 4th international conference of biology, Ferdowsi University of Mashhad, Mashhad, Iran, 14-16 September 2010.

Pourfathi, M., **Erfanzadeh, R.**, Ghelichnia, H., 2010. Study on relationship between some soil characteristics and plant species pattern in rangeland of Mazandaren province. The national Conference on Natural Resources: Pathology, Challenges, Applied Research & Practical Approaches. Ilam University, May 2010.

Pourfathi, M., Ghelichnia, H., **Erfanzadeh, R.**, 2010. Study on the effect of altitude on *Artemisia* fragrance pattern in Amol. The national Conference on Natural Resources: Pathology, Challenges, Applied Research & Practical Approaches. Ilam University, May 2010.

Erfanzadeh, R., 2010, The relationship between environmental factors and vegetation in a local scale. Proceedings of the 2nd International Geography Symposium, Kemer-Antalya, Turkey.

IX) SEARCH PROJECT LEADER:

X) BOOKS:

XI) RESEARCH STUDENTS SUPERVISED:

Hosseini Kahnuj, S.H. Comparison of soil seed bank characteristics between forest and rangeland habitats along the altitudinal gradient, 2011.

Shahbazian, R., Impact of shrubland patches on soil seed bank characteristics in mountainous grassland, 2012.

Daneshgar, M. Effect of dormancy breaking treatments on increasing of number germinated seeds buried in the Plour rangeland soil, 2013.

Ghazanfarian, F. Effects of shrubby patches on soil seed bank characteristics in dry rangelands (case study: meymand, Kerman), 2013.

Rahimi Dehcheraghi, M. Effect of land use change from rangeland to agriculture rain-fed land some physico-chemical factors, 2013.

Lavaei Adriyani, H. Variability of soil qualitative indices in different plant communities with emphasizing on soil aggregate stability in Vaz region of Mazadaran province, 2014.

Salarvand, M. Variability of plant diversity and soil eco-physiological indices under different land uses, 2014.

Tayefi Nasrabadi, H. Effect of fire severity on vegetation and soil parameters (case study: Golestan National Park), 2015.

Bashmaghi, M. Effect of fire severity on vegetation and soil parameters (case study: Golestan National Park), 2015.

Niknam, P. Effect of cushion plants species on spatial distribution of soil seed bank in Vaz rangeland, 2016.

Abdoli, H. Effects of light, temperature, smoke and heat shock on seed germination of dominant grassland species (case study: Golestan National Park), 2017.

Shayesteh Palaye, A.A. Effect of structural characteristics of three shrubs canopies on density and diversity of soil seed bank, 2017.

Barzegaran, F. Effect of *Crataegus psudomelanocarpa* patches on soil physico-chemical characteristics and seed bank in overgrazed conditions, 2018.

XII) RESEARCH STUDENTS CO-SUPERVISED:

Alipoorian, N. Determination of optimum irrigation interval for the emergence of maximum number of seeds in the soil seed bank, 2012.

XIII) COURSES TAUGHT:

Range Management (MSc)

Rangeland Plant Identification (I and II) (MSc)

Rangeland Evaluation and Analyses (MSc)

Phytosociology (MSc)

Research Methodology (MSc)

Advanced Statistical Methodology (MSc)

Advanced Range Management (PhD)

Quantitative Ecology (PhD)

With best regards

Dr. Reza Erfanzadeh

January 12, 2018