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BIO

Moslem Rostampour is an accomplished rangeland ecologist and natural resources engineer with expertise in rangeland management, ecosystem modeling, and applied ecology. His research spans both experimental and applied approaches, focusing on the interactions between vegetation, soil, and livestock in rangeland ecosystems. He has conducted extensive work on plant community dynamics, soil-plant relationships, and rangeland restoration, with particular attention to sustainable management practices.

Rostampour has been actively involved in curriculum development and teaching at undergraduate and graduate levels, covering topics such as rangeland ecology, advanced statistics, ecosystem modeling, and rangeland management practices. He has also contributed to multiple national projects on rangeland assessment, restoration, and sustainable utilization.

He has received numerous awards recognizing his academic and research excellence, including first rank in both the Master's (2006) and Ph.D. (2009) entrance examinations in Natural Resources Engineering – Rangeland Management, Exemplary Faculty Member and Supervisor awards, and recognition as Distinguished and Exemplary Researcher of the University.

His work integrates applied research, education, and capacity building, aiming to advance the sustainability and productivity of rangelands in Iran and beyond.

Academic Positions

- Head of Rangeland and Watershed Management Department
  Faculty of Natural Resources and Environment, University of Birjand, Iran
  From 2019 – Present
- Director of Research, Agricultural, Natural Resources and Environment Campus
  University of Birjand, Iran
  From 2018 – Present
- Advisor of Entrepreneurship and Industry Relations Unit
  Faculty of Natural Resources and Environment, University of Birjand, Iran
  From 2018 – Present

- Cultural Advisor, Scientific Association of Rangeland and Watershed Management
  University of Birjand, Iran
  From 2015 – Present
- Secretary, Scientific, Cultural and Jihad Organization of Islamic Sciences
  University of Birjand, Iran
  From 2016 – Present

Degrees

- Ph.D. in Natural Resources Engineering – Rangeland Management
  University of Tehran, Iran, 2013
- M.Sc. in Natural Resources Engineering – Rangeland Management
  University of Tehran, Iran, 2008
- B.Sc. in Natural Resources Engineering – Rangeland and Watershed Management
  University of Zabol, Iran, 2006

Research Interests

- Rangeland Ecology
- Rangeland Management
- Ecosystem Modeling
- Applied Ecology
- Soil-Plant-Livestock Interactions
- Restoration Ecology
- Sustainable Management of Rangelands.

Certifications & Awards

- First Rank, M.Sc. Entrance Examination in Natural Resources Engineering – Rangeland Management, 2006
- First Rank, Ph.D. Entrance Examination in Natural Resources Engineering – Rangeland Management, 2009
- Exemplary Faculty Member, University of Birjand, 2020
- Exemplary Supervisor, University of Birjand, 2020
- Exemplary Faculty Member, University of Birjand, 2023
- Distinguished Researcher of the University, 2024
- Exemplary Researcher of the University, 2025

Books

1. Jafari, M., & Rostampour, M. (2019). *Soil-plant relationships: Ecology, statistics and analysis* (Vol. 1). University of Tehran Press.
2. Jafari, M., & Rostampour, M. (2019). *Soil-plant relationships: Environmental stresses, seed and seedling* (Vol. 2). Tehran, Iran: University of Tehran Press.

Papers in Journals

1. Arianfar, M., Akbarinodehi, D., Hemati, K., & Rostampoor, M. (2018). Effects of altitude and aspect on efficiency of producing essence and phytochemical properties of *Artemisia aucheri* Boiss and *Artemisia sieberi* Besser in South Khorasan rangelands. *Rangeland, 12*(3), 281–294.
2. Azarmi-Atajan, F., & Rostampour, M. (2025). Comparison of organic carbon, total nitrogen, and carbon to nitrogen ratio (C/N) of soil in rangeland and desert habitats of South Khorasan province. *Journal of Soil and Plant Interactions*, 15–16.

3. Ebrahimi, S., Chezgi, J., Tajbakhsh Fakhrabadi, S. M., & Rostampour, M. (2023). Health zoning of South Khorasan Forg watershed using the PSR conceptual model approach. *Journal of Arid Biome, 13*(1), 21–33.
4. Fahimipour, E., Tavili, A., Zare, C. M. A., & Rostampour, M. (2012). Determination of plant diversity in Taleghan rangelands (Case study: Fashandak rangelands). *Journal of Range and Watershed Management, 64*(4), 453–461.
5. Farrokhi, F., Foroughifar, H., Saghari, M., & Saghari, M. (2018). Effect of soil substrate on vegetative properties of *Nitraria schoberi* L. seedlings in nursery. *Forest Research and Development, 4*(2), 131–143.
6. Ghollasimod, S., Rostampour, M., & Asa, H. R. (2022). Investigation of morphological diversity and some micronutrients of *Pistacia atlantica* Desf. fruit in eastern and central Iran. *[Journal name not specified]*.
7. Havangi, E., Rostampour, M., & Hammami, H. (2025). Germination and growth responses of milk thistle (*Silybum marianum*) to seed priming with selenium and nano-selenium under salinity conditions. *Biocatalysis and Agricultural Biotechnology, 67*, 103679.
8. Jafari, A., Chezgi, J., Memarian, H., & Rostampour, M. (2025). Studying the effect of hydromorphological characteristics of the watershed on the discharge of qanats (Study area: Bagheran Rural District, Birjand County). *Journal of Aquifer and Qanat*.
9. Jafari, M., Rostampour, M., Tavili, A., Zare Chahouki, M. A., & Farzadmehr, J. (2009). Investigation of environmental factors affecting vegetation distribution in the Zirkouh rangelands of Qaen. *Journal of Range and Watershed Management, 62*(2), 197–211.
10. Jafari, M., Rostampour, M., Tavili, A., Zare, C. M. A., & Farzadmehr, J. (2009). Direct gradient analysis of plant species and environmental factors in ecological groups: A case study of Zirkouh rangelands of Qaen. *Journal of Rangeland, 2*(4), 329–343.
11. Khademi, T., Rostampour, M., & Saghari, M. (2021). Nutritive value of dominant rangeland plant species in Kaja and Chahno, Ferdows, South Khorasan. *Rangeland, 15*(4), 649–664.
12. Mahmoodimoghadam, G., Saghari, M., Rostampour, M., & Chakoshi, B. (2015). Effects of constructing small arc basins system on rangeland production and some soil properties in arid lands (Case study: Steppic rangelands of Sarbisheh, South Khorasan Province). *Rangeland, 9*(1), 66–75.
13. Mahmoudi Moghaddam, G., Saghari, M., Rostampour, M., & Chakoshi, B. (2022). Investigation of the effect of constructing small arc basins system on vegetation composition and biodiversity in aridland ecosystems in eastern Iran. *Desert Ecosystem Engineering, 8*(23), 33–44.
14. Motamedi, J., Eftekhari, A., Fayyaz, M., Jalili, A., Khodagholi, M., et al. (2023). Initial assessment of vegetation monitoring in saline habitats. *Iran Nature, 8*(1), 17–29.
15. Rabieh, M. M., & Rostampour, M. (2025). Biodiversity of noctuid moths (*Lepidoptera: Noctuidae*) in the Ark Protected Area, East Iran. *Journal of the Entomological Society of Iran, 45*(2), 267–284.
16. Rahiminezhad, F. , saghari, M. , rostam pour, M. and foroughi far, H. (2017). Comparison of soil properties under native Salsola yazdiana Assadi floor with exotic plants *Atriplex lentiformis* Breweri in semi-desert rangelands (case study: Tabas rangelands). *Iranian Journal of Range and Desert Research, 24*(1), 89-97.
17. Rezaei, G., Saghari, M., & Rostampour, M. (2022). Comparing the effect of two rainfall storage methods on changes in soil moisture and herbaceous plant phytomass in steppe rangelands: A case study of Darmian City rangelands. *Desert Ecosystem Engineering, 10*(32), 73–84.

18. Rostampoor, M. (2023). Comparison of vegetation, production, and species diversity in different range condition classes (Case study: Darmian–Sarbisheh Protected Area). *Iranian Journal of Range and Desert Research, 30*(3), 409–423.
19. Rostampoor, M., & Azarmi-Atajan, F. (2023). Comparison of normality test methods for some soil properties in the arid land of South Khorasan. *Desert, 28*(2), 381–402.
20. Rostampoor, M., & Sabzi, R. (2022). Effect of slope gradient on vegetation, species composition, and production of medicinal plants (Case study: Rom rangelands, Qaen). *Rangeland, 16*(2), 312–330.
21. Rostampoor, M.,Yari, R., & Mirmiran, S. M. (2025). Comparison of soil carbon sequestration of several plant species in the desert areas of South Khorasan. *Iranian Journal of Range and Desert Research, 31*(4), 334–344.
22. Rostampour, M. & Sabzi, R. (2022). Effect of slope gradient on vegetation, species composition, and production of medicinal plants (Case study: Room rangelands, Qaen). *Rangeland , 16(2),* 312-330.
23. Rostampour, M. (2013). *Effect of environmental and grazing gradients on the structure of soil seed bank in arid rangelands (Case study: Qaen rangelands, Southern Khorasan)* (Doctoral dissertation). Department of Rehabilitation of Arid and Mountainous Regions.
24. Rostampour, M. (2022). Comparison of outlier detection methods and their impact on rangeland measurement and assessment studies. *Journal of Range and Watershed Management, 75*(4), 639–660.
25. Rostampour, M. (2022). *Rangeland ecosystems monitoring in different climatic regions of Iran: South Khorasan Province, Khosf site*. Research Institute of Forests and Rangelands.
26. Rostampour, M. (2024). Calculation of the number of required samples to estimate *Atriplex canescens* (Pursh) Nutt. phytomass using an indirect method. *Rangeland, 17*(4), 550–569.
27. Rostampour, M. (2024). Evaluation of the accuracy of the numeric indices of biodiversity calculated based on the quantitative characteristics of vegetation in the rangelands of Darmian–Sarbisheh. *Journal of Range and Watershed Management, 77*(4), 419–432.
28. Rostampour, M. (2024). Spatial distribution pattern of plant species in mountain almond (*Amygdalus scoparia* Spach.) habitat in Shaskouh protected area, South Khorasan. *Forest Research and Development, 10*(3), 295–322.
29. Rostampour, M., & Eftekhari, A. (2022). Determining the required sample size to compare vegetation and soil characteristics in two independent groups using effect size. *Journal of Rangeland 16*(4).
30. Rostampour, M., & Eftekhari, A. (2022). The impact of meteorological drought and grazing on vegetation structure in aridlands: A case study of Nakhab Forest, Khosf County. *Journal of Rainwater Catchment Systems, 10*(3), 11–28.
31. Rostampour, M., & Eftekhari, A. (2023). Determining the sample size required to compare vegetation and soil characteristics in two independent groups using effect size. *Rangeland, 16*(4), 712–728.
32. Rostampour, M., & Eftekhari, A. (2023). Investigating the response of grazed and enclosed plant communities to short-term wet and drought conditions: A case study of South Khorasan semi-desert ecosystems. *Desert Ecosystem Engineering, 12*(38), 27–44.
33. Rostampour, M., & Eftekhari, A. (2024). Investigating the effect of sample size and plot size on the numerical indices of rangeland biodiversity. *Journal of Range and Watershed Management, 76*(4), 351–372.

34. Rostampour, M., & Mashgani, M., & Akbari, H. (2019). A study of floristic, functional, and relative diversity of plant families in Darmian and Sarbisheh Protected Area. *Taxonomy and Biosystems, 11*.
35. Rostampour, M., & Rabieh, M. M. (2025). Assessment of species distribution patterns and abundance of plants and noctuid moths (*Lepidoptera: Noctuidae*) in the Ark and Gorong protected areas, South Khorasan Province, Iran. *Journal of Natural Environment, 78*(2), 237–252.
36. Rostampour, M., & Saghari, M. (2022). Evaluating drought effects on soil properties and plant species diversity of *Amygdalus persica* reserve in Haji Abad rangelands, South Khorasan. *Desert Ecosystem Engineering, 9*(26), 87–102.
37. Rostampour, M., & Saghari, M. (2023). Comparison of graphical and statistical methods in determining the number of sampling units in vegetation studies of desert ecosystems of South Khorasan. *Rangeland, 17*(1), 97–113.
38. Rostampour, M., & Saghari, M. (2023). The effect of different methods of rangeland utilization on vegetation characteristics of arid rangelands (Case study: Zirkouh rangelands, South Khorasan Province). *Environmental Sciences, 21*(1), 109–128.
39. Rostampour, M., & Yari, R. (2024). Investigating the distribution pattern of ten halophyte species using quadrat indices and discrete probability distributions: A case study of eastern Iran's desert ecosystems. *Desert Ecosystem Engineering, 12*(41), 89–105.
40. Rostampour, M., & Zare, S. (2023). Determining the minimum number of soil samples for soil and plant interactions studies: A case study in *Salsola* spp. habitats in three dry regions of Iran. *Soil and Plant Interactions*.
41. Rostampour, M., Akbari, E., & Saghari, M. (2023). Determination of optimal planting depth of *Atriplex canescens* (Pursh) Nutt. seed. *Journal of Range & Watershed Management, 76*(3).
42. Rostampour, M., Jafari, M., Farzadmehr, J., Tavili, A., & Zare, C. M. A. (2009). Investigation of relationships between plant biodiversity and environmental factors in plant communities of arid ecosystems (Case study: Zirkouh of Qaen). *Watershed Management Research, 22*(283), 47–57.
43. Rostampour, M., Jafari, M., Tavili, A., Azarnivand, H., & Eslami, S. V. (2022). Investigation of plant species composition and diversity along a soil salinity gradient in margin rangelands of Petregan Playa, Southern Khorasan. *Desert Ecosystem Engineering, 6*(16), 11–24.
44. Rostampour, M., Mirmiran, S. M., & Yari, R. (2023). Classification and determination of environmental factors affecting the distribution of plant communities in the Niatak flood spreading area, Zabol. *Iranian Journal of Rainwater Catchment Systems, 11*(3), 1–15.
45. Rostampour, M., Saghari, M., & Chabok, E. H. (2023). Comparison of the effect of a semi-circular bunds system on vegetation and soil moisture levels in drought and wet conditions (Case study: Zirkouh rangelands, South Khorasan). *Journal of Rainwater Catchment Systems, 11*(3), 30–53.
46. Rostampour, M., Yari, R., & Mirmiran, S. M. (2022). The effect of livestock grazing intensity on the frequency distribution pattern and species abundance of rangelands in Sarbisheh, South Khorasan. *Water and Soil Management and Modelling, 3*(2), 198–216.
47. Rostampour, M., Yousefian, M., & Yari, R. (2026). The Impact of Peganum harmala L. Invasion on the Density and Species Diversity of Native Plants. *Journal of Rangeland Science, 16*(1).

48. Rostampour, M., Yousefian, M., & Yari, R. R. (2025). Determining the minimum sample size required to create regression models in plant ecology (Case study: Cover–production relationship). *Ecopersia, 12*(1), 39–53.
49. Saghari, M., Rostampour, M., Mohammadi, M. A. (2020). Investigation of the effect of topography on vegetative and propagation characteristics of *Amygdalus scoparia* in South Khorasan range ecosystems. *Journal of Plant Ecosystem Conservation, 7*(15), 197–215.
50. Saghari, M., Shahrokhi, H., Rostampour, M., & Eshghizadeh, M. (2017). A survey of topographic factors affecting growth parameters and establishment of sumac shrubs (*Rhus coriaria*) in rangelands of East Watershed Basin (Case study: Kakhk watershed). *Journal of Plant Ecosystem Conservation, 4*(9), 133–149.
51. Tajbakhsh Fakhrabadi, S. M., Aliabadi, M., Ghollasimood, S., & Rostampour, M. (2023). Evaluation of the interception condition in *Haloxylon persicum* Bunge and *Calligonum comosum* L'Hér. species and their role in soil conservation. *Watershed Management Research, 36*(1), 66–79.
52. Tajbakhsh, S. M., Aliabadi, M., Ghollasimod, S., & Rostampour, M. (2022). Evaluation of rainfall interception condition in some rangeland species. *Journal of Ecohydrology, 9*(2), 345–352.
53. Tavili, A., Rostampour, M., Zare, C. M. A., & Farzadmehr, J. (2009). CCA application for vegetation–environment relationships evaluation in arid environments (Southern Khorasan rangelands). *Desert (Biaban), 14*(1), 101–111.
54. Yari, R., Rostampour, M., & Mirmiran, S. M. (2024). Investigating forage quality indicators of important essential medicinal species in rangelands of Khorasan-Razavi Province. *Journal of Range and Watershed Management, 77*(3), 253–263.
55. Yari, R., Rostampour, M., & Mirmiran, S. M. (2024). The most important factors affecting the distribution of wild almond (*Prunus scoparia* (Spach) C. K. Schneid.) in Razavi and South Khorasan provinces, Iran. *Iranian Journal of Forest and Poplar Research, 32*(2), 132–147.
56. Zare, S., Jafari, M., Tavili, A., Abbasi, H., & Rostampour, M. (2011). Relationship between environmental factors and plant distribution in arid and semiarid areas (Case study: Shahriyar rangelands, Iran). *American-Eurasian Journal of Agricultural & Environmental Sciences, 10*(1).

Conference Papers

1. Gholasimod, S. Asa, H. R., & Rostampour, M., (2021). Comparison of antioxidant content of *Pistacia atlantica* fruit in three regions of Bardaskan, Khaf, and Nehbandan. *Fifth International Congress on Agricultural Development, Natural Resources, Environment, and Tourism of Iran*, Iran.
2. Gholasimod, S., Banan Saghaleh, A., & Rostampour, M. (2017). Evaluation of phenolic and flavonoid contents and some chemical elements of *Crambe orientalis* L. fruit in Arianshahr, South Khorasan Province. *Conference on Natural Resources and Environment of South Khorasan Province (Challenges and Prospects)*, Iran.
3. Gholasimod, S., Hassanzadeh, M., & Rostampour, M. (2020). Effects of chemical pretreatments on dormancy breaking and enhancement of seed germination of the industrial and economic plant *Ferula assa-foetida*. *Second National Conference on Geography, Environment, Security, and Tourism*, Iran.
4. Gholasimod, S., Rostampour, M., & Rezaei, H. (2024). Morphological and phytochemical diversity of sumac (*Rhus coriaria* L.) fruit in two habitats of eastern

Iran. *Second National Conference on Medicinal Plants, Entrepreneurship, and Commercialization*, Iran.

5. Moradi, A., Saeedafkham Shoraei, M. R. & Rostampour, M., (2019). Performance of *Parand* plant species on carbon sequestration in natural resource areas: A case study of Khusf County, South Khorasan Province. *Ninth National Conference on Environment, Energy, and Sustainable Natural Resources*, Iran.
6. Moslahi, M., Gholasimod, S., & Rostampour, M. (2014). Evaluation and comparison of different distance-based methods for density estimation in three rangeland species (*Stipa barbata*, *Acanthophyllum squarrosum*, and *Iris songarica*): A case study of southeastern Birjand rangelands. *First National Conference on Natural Resources Management*, Iran.
7. Moslahi, M., Rostampour, M., & Saeedafkham Shoraei, M. R. (2014). Regression modeling for estimating production of the rangeland species *Lactuca* in southeastern Birjand rangelands. *First National Conference on Engineering and Management of Agriculture, Environment, and Sustainable Natural Resources*, Iran.
8. Moslahi, M., Saeedafkham Shoraei, M. R., & Rostampour, M. (2014). Feasibility of estimating dry forage production of *Astragalus* using selected vegetative characteristics. *First National Conference on Engineering and Management of Agriculture, Environment, and Sustainable Natural Resources*, Iran.
9. Rabieh, M. M., & Rostampour, M. (2025). Calculation of numerical indices of insect species diversity in the Ark and Gorang Protected Area, South Khorasan Province. *Third National Conference on National Parks and Protected Areas*, Iran.
10. Rabieh, M. M., Nezafat, M., Rostampour, M., & Noei, J. (2024). Biodiversity of noctuid moths (Noctuidae) in the Bagheran Protected Area, South Khorasan Province, Iran. *25th Iranian Plant Protection Congress*, Iran.
11. Rostampour, M. (2018). Floristic list and life-form spectrum of plant species in the Shaskouh Protected Area, South Khorasan Province. *Seventh National Conference on Rangeland and Rangeland Management*, Iran.
12. Rostampour, M. (2019). Morphological diversity of desert wormwood in steppe rangelands of South Khorasan Province. *Second National Conference on Natural Resources Management (Water, Flood, and Environment)*, Iran.
13. Rostampour, M. (2021). Biodiversity analysis in R environment using the adiv package: A case study of Sarbisheh rangelands. *First International and Eighth National Conference on Iranian Rangeland Science*, Iran.
14. Rostampour, M. (2021). Comparison of numerical species diversity indices using permutation tests and diversity ranking curves: A case study of Zirkouh rangelands. *First International and Eighth National Conference on Iranian Rangeland Science*, Iran.
15. Rostampour, M. (2022). Assessment of diversity and stability of degraded rangelands using species abundance distribution models (SDM): A case study of eastern Birjand rangelands. *Third International and Sixth National Conference on Conservation of Natural Resources and Environment*, Iran.
16. Rostampour, M. (2022). Comparison of R packages (diverse and agricolae) in biodiversity assessment. *Third International and Sixth National Conference on Conservation of Natural Resources and Environment*, Iran.
17. Rostampour, M. (2022). Effect of altitude above sea level on density and richness of shrub and tree species in mountainous regions: A case study of northern Asfadan highlands, South Khorasan Province. *Third International and Sixth National Conference on Conservation of Natural Resources and Environment*, Iran.

18. Rostampour, M. (2023). Analysis of wet and drought trends in Birjand County during the past 15 years. *First International and Second National Conference on Modeling and New Technologies in Water Management*, Iran.
19. Rostampour, M. (2023). Comparison of soil moisture and texture inside and outside semicircular water-harvesting structures under drought conditions: A case study of Ahangaran Plain rangelands, South Khorasan Province. *11th National Conference on Rainwater Harvesting Systems*, Iran.
20. Rostampour, M. (2023). Ecological characteristics of *Tamarix aphylla* L. for wood production in the Niatak flood spreading area, Zabol. *11th National Conference on Rainwater Harvesting Systems*, Iran.
21. Rostampour, M. (2023). Normality tests for climatic data of Birjand County using R software. *First International and Second National Conference on Modeling and New Technologies in Water Management*, Iran.
22. Rostampour, M. (2023). Validation of climatic data regression models using the performance statistical package. *First International and Second National Conference on Modeling and New Technologies in Water Management*, Iran.
23. Rostampour, M. (2024). Effect of slope aspect on density and height of wild pistachio (*Pistacia atlantica* Desf.) in the Shaskouh Protected Area, South Khorasan Province. *Sixth National Conference on Iranian Forests*, Iran.
24. Rostampour, M. (2024). Regression analysis between soil salinity and organic matter percentage in selected forest habitats of South Khorasan Province. *Sixth National Conference on Iranian Forests*, Iran.
25. Rostampour, M., & Jafari, M. (2018). Application of superabsorbent polymers to mitigate soil drought stress in arid and desert regions. *International Conference on Natural Resources Management in Developing Countries*, Iran.
26. Rostampour, M., & Jafari, M. (2018). Role of rangeland plants in phytoremediation of soils contaminated with heavy metals. *Seventh National Conference on Rangeland and Rangeland Management*, Iran.
27. Rostampour, M., & Jafari, M. (2018). Seed priming as a strategy to mitigate drought and soil salinity stresses. *International Conference on Natural Resources Management in Developing Countries*, Iran.
28. Rostampour, M., & Mallaki Moghaddam, S. (2017). The vetiver system as a future requirement for natural resources and environmental management in Iran. *Conference on Futures Studies in Natural Resources and Environment of South Khorasan Province*, Iran.
29. Rostampour, M., & Rabieh, M. M. (2025). Calculation of medicinal plant biodiversity indices using the BiodiversityR and microbiome packages: A case study of the Ark–Gorang Protected Area, South Khorasan Province. *Second National Conference on the Biology of Medicinal Plants*, Iran.
30. Rostampour, M., & Rabieh, M. M. (2025). Distribution patterns of three dominant medicinal plant species in the Ark and Gorang Protected Area, South Khorasan Province. *Second National Conference on the Biology of Medicinal Plants*, Iran.
31. Rostampour, M., & Rabieh, M. M. (2025). Manna of camelthorn as a product of the feeding activity of *Poophilus costalis* (Walker, 1851) on a medicinal plant. *Second National Conference on the Biology of Medicinal Plants*, Iran.
32. Rostampour, M., & Saghari, M. (2023). Effects of drought on hydraulic and hydrological properties of rangeland soils in arid and desert regions: A case study of the Divdal habitat, South Khorasan Province. *11th National Conference on Rainwater Harvesting Systems*, Iran.

33. Rostampour, M., & Yari, A. (2019). Effect of carbon sequestration project implementation time on vegetation cover percentage and biodiversity: A case study of Sarbisheh rangelands, South Khorasan Province. *Second National Conference on Natural Resources Management (Water, Flood, and Environment)*, Iran.
34. Rostampour, M., & Yari, A. (2019). Measurement of aboveground and belowground biomass and its relationship with species diversity and richness in *Atriplex* and *Haloxylon* plantations. *Second National Conference on Natural Resources Management (Water, Flood, and Environment)*, Iran.
35. Rostampour, M., & Yari, R. (2024). Trends in density changes of wild almond (*Amygdalus scoparia* Spach) along an altitudinal gradient in the Shaskouh Protected Area, South Khorasan Province. *Sixth National Conference on Iranian Forests*, Iran.
36. Rostampour, M., Faghihi Shahrokht, M., & Dehovari, A. (2014). Relationship between vegetation cover and soil properties in the Zirkouh region. *Second National Conference on Desert Studies with an Emphasis on Dryland and Desert Management*, Iran.
37. Rostampour, M., Faghihi Shahrokht, M., & Dehovari, A. (2014). Relationship between topographic and edaphic factors and vegetation cover in the Shahrokht Plain. *Second National Conference on Desert Studies with an Emphasis on Dryland and Desert Management*, Iran.
38. Rostampour, M., Jafari, M., & Tavili, A. (2018). Evaluation of the role of soil seed banks in vegetation restoration potential of saline soils: A case study of Zirkouh rangelands, South Khorasan Province. *International Conference on Natural Resources Management in Developing Countries*, Iran.
39. Rostampour, M., Moradi, A., & Saeedafkham Shoraei, M. R. (2019). Performance of *Ajveh* plant species on carbon sequestration in natural resource areas: A case study of Khusf County, South Khorasan Province. *Ninth National Conference on Environment, Energy, and Sustainable Natural Resources*, Iran.
40. Rostampour, M., Yari, R., & Mirmiran, S. M. (2024). Effects of constructing semicircular water-harvesting structures on species diversity indices in Ferdows rangelands, South Khorasan Province. *13th National Conference on Rainwater Harvesting Systems*, Iran.
41. Rostampour, M., Yari, R., & Mirmiran, S. M. (2024). Floristic diversity assessment of the Niatak flood spreading area, Zabol, Sistan and Baluchestan Province. *13th National Conference on Rainwater Harvesting Systems*, Iran.
42. Saeedafkham Shoraei, M. R., Maslahi, M., & Rostampour, M. (2014). Estimation of forage production of *Atriplex canescens* using plant height, canopy area, and plant volume measurements in arid regions: A case study of southeastern Birjand rangelands. *First National Conference on Sustainable Agriculture and Natural Resources*, Iran.
43. Saeedafkham Shoraei, M. R., Mehri, M., Bashtani, M., & Rostampour, M. (2014). Determination and comparison of mineral element contents in iris (*Iris* spp.) and astragalus (*Astragalus* spp.): A case study of southeastern Birjand rangelands. *First National Conference on Sustainable Agriculture and Natural Resources*, Iran.
44. Saghari, M., Rostampour, M. & Rousta, M. (2015). Effect of *Amygdalus scoparia* on soil nitrogen and organic matter in restored steppe rangelands. *Sixth National Conference on Iranian Rangelands and Rangeland Management*, Iran.
45. Saghari, M., Rostampour, M., & Mohammadi Karizno, F. (2018). Effect of the shrub *Pteropyrum aucheri* on soil phosphorus content: A case study of Birjand County. *First National Conference on Iranian Forests*, Iran.
46. Saghari, M., Rostampour, M., & Rousta, M. (2018). Changes in soil potassium under the canopy of wild almond habitats: A case study of Kakhk, Gonabad. *First National Conference on Iranian Forests*, Iran.

47. Saghari, M., Rostampour, M., Foroughifar, H., Hashemi Gazar, M., & Bashtani, M. (2017). Changes in calcium content of mountain wormwood at flowering and seed-setting stages: A case study of South Khorasan rangelands. *First National Conference on Agriculture, Natural Resources, and Veterinary Sciences*, Iran.
48. Saghari, M., Rostampour, M., Hashemi Gazar, M., Foroughifar, H., & Bashtani, M. (2017). Effect of phenological stage on protein content of the rangeland plant *Artemisia aucheri* in mountainous rangelands of Birjand County. *First National Conference on Agriculture, Natural Resources, and Veterinary Sciences*, Iran.
49. Saghari, M., Rostampour, M., Rousta, M. & Helal Beiki, Y. (2015). Effect of wild almond on soil carbon content in steppe rangelands. *Second Conference on New Findings in Environment and Agricultural Ecosystems*, Iran.
50. Saghari, M., Rostampour, M., Rousta, M. & Helal Beiki, Y. (2015). Effect of the rangeland species *Amygdalus scoparia* on changes in understory soil organic matter. *Second Conference on New Findings in Environment and Agricultural Ecosystems*, Iran.
51. Saghari, M., Rostampour, M., Shahrokhi, M. Y., & Eshghizadeh, M. (2016). Role of slope gradient on growth and establishment of sumac shrubs: A case study of Gonabad region. *Second International Conference on New Findings in Agricultural Sciences, Natural Resources, and Environment*, Iran.
52. Saghari, M., Rostampour, M., Sohrabi, F. & Fattahi, B. (2015). Effect of altitudinal gradient on vegetation production in western Zagros rangelands: A case study of Tazeh Abad Seryas–Paveh rangelands. *National Conference on Innovative Research in Natural Resources Management*, Iran.
53. Saghari, M., Rostampour, M., Sohrabi, F. & Fattahi, B. (2015). Effects of fire on species richness and evenness in western Zagros rangelands: A case study of Tazeh Abad Seryas–Paveh rangelands. *National Conference on Innovative Research in Natural Resources Management*, Iran.
54. Saghari, M., Shahrokhi, H., Eshghizadeh, M., & Rostampour, M. (2016). Role of slope aspect in the establishment of sumac shrubs: A case study of Gonabad region. *Second International Conference on New Findings in Agricultural Sciences, Natural Resources, and Environment*, Iran.

Research projects

1. Rostampour, M. (Principal Investigator). (2025). Assessment of plant biodiversity and Noctuidae moths along the elevational gradient of Bagheran Protected Area. Research Project.
2. Rostampour, M. (Principal Investigator). (2023). Qualitative monitoring of rangelands in different climatic regions across three sites in South Khorasan Province (Khusf, Zirkuh, and Ghaenat). Research Project.
3. Rostampour, M. (Principal Investigator). (2025). Determination of the optimal seeding depth for *Aellenia subaphylla*, *Salsola richteri*, *Salsola rigida*, and *Festuca karatavica* in the nursery. Research Project.
4. Rostampour, M. (Principal Investigator). (2023). Floristic study, plant community analysis, and biodiversity assessment of medicinal plant habitats in Rom rangelands, Ghaen County. Research Project.
5. Rostampour, M. (Principal Investigator). (n.d.). Assessment of soil and vegetation changes in the genetic reserve of the native species *Ammodendron persicum* and modeling its distribution in South Khorasan rangelands. Research Project.

6. Rostampour, M. (Principal Investigator). (2023). Effects of different rangeland management practices on species abundance and diversity in Zirkuh County rangelands, South Khorasan Province. Research Project.
7. Rostampour, M. (Principal Investigator). (2023). Classification, categorization, and analysis of species diversity and similarity in plant communities of western Ferdows rangelands. Research Project.
8. Rostampour, M. (Co-Investigator). (2025). Comparison of soil organic carbon and total nitrogen in habitats of selected plant species in arid and semi-arid regions of South Khorasan Province. Research Project.
9. Rostampour, M. (Co-Investigator). (2025). Biodiversity assessment of Collembola populations in the Birjand region. Research Project.
10. Rostampour, M. (Co-Investigator). (2022). Economic valuation of basic natural resources of South Khorasan Province using ecosystem services mapping (Phase 1). Research Project.
11. Rostampour, M. (Co-Investigator). (2019). Wildlife population studies (mouflon in Darmian Protected Area – Sarbisheh and Capra in Shaskouh Protected Area) and determination of harvestable populations of huntable species in the mentioned regions. Research Project.

Master's Theses

1. Abbasi, A. (Advisor). (2023). *Effects of soil substrate properties on the growth of Pistacia atlantica seedlings in the nursery*. Master's thesis in Rangeland Management, Faculty of Natural Resources and Environment, University of Birjand.
2. Ahmadabadi, N. (Supervisor). (2024). *Assessment of carbon sequestration potential of three species: Dashti, Koohi, and Goon in the rangelands of Darmian County, South Khorasan*. Master's thesis in Rangeland Management, Faculty of Natural Resources and Environment, University of Birjand.
3. Akbari, A. (Supervisor). (2022). *Effect of sowing depth of Qich and Atriplex seeds on seedling growth characteristics under nursery conditions*. Master's thesis in Rangeland Management, Faculty of Natural Resources and Environment, University of Birjand.
4. Aliabadi, M. (Advisor). (2021). *Assessment of canopy interception of rainfall in several rangeland species*. Master's thesis in Rangeland Management, Faculty of Natural Resources and Environment, University of Birjand.
5. Aliabadi, M. (Advisor). (2021). *Assessment of canopy interception of rainfall in several rangeland species*. Master's thesis in Rangeland Management, Faculty of Natural Resources and Environment, University of Birjand.
6. Aliabadi, M. (Supervisor). (2024). *Identification and assessment of biodiversity and ethnobotany of some medicinal plants in Ark and Karand Protected Area, South Khorasan*. Master's thesis in Rangeland Management, Faculty of Natural Resources and Environment, University of Birjand.
7. Banan Seghaleh, A. (Advisor). (2020). *Morphological and phytochemical diversity of Cramb fruits in different areas of South Khorasan*. Master's thesis in Rangeland Management, Faculty of Natural Resources and Environment, University of Birjand.
8. Chabakstand, H. (Supervisor). (2021). *Comparison of the performance of planting Haloxylon, Qich, and Atriplex species using broadcasting and direct seeding in restoration operations of semicircular water harvesting structures in rangelands*.

Master's thesis in Rangeland Management, Faculty of Natural Resources and Environment, University of Birjand.
9. Chabakstand, H. (Supervisor). (2021). *Comparison of the performance of planting Haloxylon, Qich, and Atriplex species using broadcasting and direct seeding in restoration operations of semicircular water harvesting structures in rangelands*. Master's thesis in Rangeland Management, Faculty of Natural Resources and Environment, University of Birjand.
10. Chavoshani, H. (Advisor). (2017). *Effects of two rangeland species, Aellenia subapaphylla and wild lettuce (Lactuca orientalis), on some chemical properties of soil in steppe rangelands (Case study: Noghab Rangelands, Asadieh Plain)*. Master's thesis in Rangeland Management, Faculty of Natural Resources and Environment, University of Birjand.
11. Dadi Giyushad, M. (Supervisor). (2024). *Effects of plot size and number on density, richness, and species diversity in Baqeran shrub-steppe*. Master's thesis in Rangeland Management, Faculty of Natural Resources and Environment, University of Birjand.
12. Ebrahimi, M. (Advisor). (2018). *Comparison of litter and aerial part quality of two rangeland species: Haloxylon persicum and Atriplex canescens (Case study: Birjand rangelands)*. Master's thesis in Rangeland Management, Faculty of Natural Resources and Environment, University of Birjand.
13. Ebrahimi, S. (Advisor). (2023). *Assessment of the health and sustainability of the Forg watershed, Darmian County*. Master's thesis in Watershed Management, Faculty of Natural Resources and Environment, University of Birjand.
14. Ehsanipour, H. (Supervisor). (2020). *Investigation of the effects of mining activities on soil properties and plant diversity (Case study: Hajjat Mine, Nehbandan)*. Master's thesis in Rangeland Management, Faculty of Natural Resources and Environment, University of Birjand.
15. Farrokhi, F. (Advisor). (2014). *Effects of changes in soil properties on seedling growth characteristics of two rangeland species: Atriplex lentiformis and Nitraria schoberi*. Master's thesis in Rangeland Management, Faculty of Natural Resources and Environment, University of Birjand.
16. Fatehi, M. R. (Supervisor). (2020). *Relationship between soil nutrient elements and halophytic and chamaephytic plants in western Ferdows rangelands, South Khorasan*. Master's thesis in Rangeland Management, Faculty of Natural Resources and Environment, University of Birjand.
17. Haji Zadeh, M. (Advisor). (2017). *Effects of two rangeland species, Astragalus gummifer and Acanthophyllum glandulosum, on some chemical soil properties (Case study: Darmian rangelands)*. Master's thesis in Rangeland Management, Faculty of Natural Resources and Environment, University of Birjand.
18. Hamouni, F. (Supervisor). (2021). *Environmental factors affecting the distribution and diversity of dominant medicinal plants in Sarayan County rangelands*. Master's thesis in Rangeland Management, Faculty of Natural Resources and Environment, University of Birjand.
19. Hashemi Gazar, M. (Advisor). (2015). *Nutritional value of two rangeland species, Dashti Koohi and Dashti Khorasani, at different phenological stages (Case study: Birjand rangelands)*. Master's thesis in Rangeland Management, Faculty of Natural Resources and Environment, University of Birjand.
20. Hosseini Minakho, A. (Supervisor). (2021). *Investigation of nutrient elements and phytochemical traits of Artemisia sieberi, Artemisia aucheri, and Amygdalus scoparia in spring and winter (Case study: Baqeran Protected Area)*. Master's thesis in

Rangeland Management, Faculty of Natural Resources and Environment, University of Birjand.

21. Jafari, A. (Advisor). (2024). *Effect of hydromorphological watershed characteristics on qanat discharge (Case study: Baqeran Rural District)*. Master's thesis in Watershed Management, Faculty of Natural Resources and Environment, University of Birjand.
22. Kamel Narastan, M. (Advisor). (2017). *Vegetation changes under flood control operations using remote sensing data (Case study: Kalateh Sadat floodplain, Sabzevar County)*. Master's thesis in Rangeland Management, Faculty of Natural Resources and Environment, University of Birjand.
23. Khadami, T. (Supervisor). (2020). *Relationship between soil properties and forage quality in rangeland species Artemisia aucheri, Eryngium billardieri, Stipa barbata, Stipa capensis, and Zygophyllum atriplicoides (Case study: Ferdows County, South Khorasan)*. Master's thesis in Rangeland Management, Faculty of Natural Resources and Environment, University of Birjand.
24. Mahmoudi Moghaddam, G. (Advisor). (2014). *Effects of semicircular water harvesting structures on plant cover and soil moisture*. Master's thesis in Rangeland Management, Faculty of Natural Resources and Environment, University of Birjand.
25. Mehri, M. (Advisor). (2014). *Determination and comparison of some mineral elements in three rangeland species*. Master's thesis in Rangeland Management, Faculty of Natural Resources and Environment, University of Birjand.
26. Mirzaei, H. (Advisor). (2020). *Autecology of Halocnemum strobilaceum in Tabas*. Master's thesis in Rangeland Management, Faculty of Natural Resources and Environment, University of Birjand.
27. Mohammadi Karizno, F. (Advisor). (2017). *Effects of two plants, Atraphaxis spinosa and Pteropyrum aucheri, on soil chemical properties (Case study: Birjand steppe rangelands)*. Master's thesis in Rangeland Management, Faculty of Natural Resources and Environment, University of Birjand.
28. Mohammadi, M. A. (Advisor). (2017). *Some ecological conditions of the habitat of Amygdalus scoparia in eastern Iranian steppe rangelands (Case study: Arovez region, Nehbandan)*. Master's thesis in Rangeland Management, Faculty of Natural Resources and Environment, University of Birjand.
29. Moradi, E. E. (Advisor). (2018). *Effects of Pteropyrum, Nitraria, and Aellenia species on carbon sequestration in natural resource areas (Case study: Khusf County, South Khorasan)*. Master's thesis in Rangeland Management, Faculty of Natural Resources and Environment, University of Birjand.
30. Moslehi, M. (Advisor). (2014). *Relationship between productivity, canopy cover, height, and volume in rangeland plants with different growth forms*. Master's thesis in Rangeland Management, Faculty of Natural Resources and Environment, University of Birjand.
31. Rahiminejad, F. (Advisor). (2014). *Effects of two rangeland species, Shure Yazdi and wild spinach, on some chemical soil properties*. Master's thesis in Rangeland Management, Faculty of Natural Resources and Environment, University of Birjand.
32. Rakhshani Zadeh, V. (Advisor). (2016). *Comparison of five distance-based methods for estimating plant cover density in biological projects of rangelands around Lake Hamun*. Master's thesis in Rangeland Management, Faculty of Natural Resources and Environment, University of Birjand.
33. Rezaei, G. H. (Advisor). (2020). *Comparison of the effects of two precipitation harvesting methods (contour furrow and semicircular water harvesting) on rangeland biomass and physical-chemical soil properties in Darmian steppe rangelands*. Master's

thesis in Rangeland Management, Faculty of Natural Resources and Environment, University of Birjand.

34. Rezaei, H. (Advisor). (2022). *Morphological and phytochemical diversity of Sumac fruit in different regions*. Master's thesis in Rangeland Management, Faculty of Natural Resources and Environment, University of Birjand.
35. Rezaei, M. H. (Advisor). (2022). *Effects of rangeland management plans on socioeconomic conditions from the perspective of local users*. Master's thesis in Rangeland Management, Faculty of Natural Resources and Environment, University of Birjand.
36. Rousta, M. (Advisor). (2015). *Effects of two rangeland species, Sumac and wild almond, on some chemical properties of soil (Case study: Kakhk rangelands, Gonabad County)*. Master's thesis in Rangeland Management, Faculty of Natural Resources and Environment, University of Birjand.
37. Saadati Manesh, H. (Advisor). (2024). *Effects of substrate composition on seedling growth characteristics of Atriplex canescens*. Master's thesis in Rangeland Management, Faculty of Natural Resources and Environment, University of Birjand.
38. Sabaghi Darmian, A. (Advisor). (2023). *Changes in composition, production, diversity, and status of rangelands under wet and dry conditions (Case study: plant communities of Darmian Protected Area – Sarbisheh)*. Master's thesis in Rangeland Management, Faculty of Natural Resources and Environment, University of Birjand.
39. Sabzi, R. (Supervisor). (2020). *Relationship between soil properties and growth and phytochemical traits of medicinal species Mastar, Kakuti, Gol Arvaneh, and Bumaadaran in Rom rangelands, Qaen County*. Master's thesis in Rangeland Management, Faculty of Natural Resources and Environment, University of Birjand.
40. Shahrokhi, H. (Advisor). (2015). *Ecological factors affecting the growth and establishment of Sumac shrubs in eastern steppe rangelands (Case study: Kakhk rangelands, Gonabad County)*. Master's thesis in Rangeland Management, Faculty of Natural Resources and Environment, University of Birjand.
41. Sohrabi, F. (Advisor). (2014). *Effects of fire on plant cover characteristics in western Zagros rangelands*. Master's thesis in Rangeland Management, Faculty of Natural Resources and Environment, University of Birjand.
42. Soleimani, S. H. (Supervisor). (2024). *Evaluation of the effectiveness of semicircular water harvesting and rangeland operations on plant and soil indicators (Case study: Esfakni Village rangelands, Boshrouyeh)*. Master's thesis in Rangeland Management, Faculty of Natural Resources and Environment, University of Birjand.
43. Yaghoubi, M. (Supervisor). (2024). *Floristic and ethnobotanical diversity of medicinal plants in Shaskouh Protected Area with emphasis on local knowledge*. Master's thesis in Rangeland Management, Faculty of Natural Resources and Environment, University of Birjand.

Workshops

Rostampour, M. (2020). Application of R software in plant ecology (Session 1).
Rostampour, M. (2020). Application of R software in plant ecology (Session 2).
Rostampour, M. (2021). Cluster analysis using R software.
Rostampour, M. (2021). Status of provincial rangelands and water harvesting structures for rainwater collection.
Rostampour, M. (2022). Statistical analysis of agricultural and natural resources experiments with R (Basic designs) – Part 1.
Rostampour, M. (2022). Statistical analysis of agricultural and natural resources

experiments with R (Factorial experiments and split-plot design) – Part 2.
Rostampour, M. (2023). Analysis of covariance in agricultural experiments using R.
Rostampour, M. (2023). Polynomial regression (response surface method) in agricultural experiments using R.
Rostampour, M. (2024). Data entry and management of agricultural experiment designs in R.
Rostampour, M. (2024). Introduction to easyanova package functions for analysis of agricultural experiments.
Rostampour, M. (2024). Introduction to AgroR package functions for analysis of agricultural experiments.
Rostampour, M. (2025). Introduction to jamovi software: a bridge between SPSS and R.
Rostampour, M. (2025). Basic experimental designs in jamovi.

Courses

- Advanced and Multivariate Statistics – Master's
- Advanced Statistical Methods – Master's
- Agroforestry – Bachelor's
- Analysis of Human–Rangeland Relationships – Master's
- Applied Statistics – Bachelor's
- Computer Applications in Natural Resources – Bachelor's
- Ecology – Bachelor's
- Forage Crop Cultivation – Bachelor's
- Fundamentals of Rangeland Ecosystem Modeling – Master's
- General Ecology – Bachelor's
- Insect Ecology – Master's
- Internship – Bachelor's
- Introduction to Computers – Bachelor's
- Livestock–Rangeland Relationship – Bachelor's
- Natural Resources Experiment Design – Bachelor's
- Natural Resources Recognition – Bachelor's
- Nomadic Anthropology – Bachelor's
- Planning and Preparing Rangeland Management Projects – Master's
- Project – Bachelor's
- Rangeland and Livestock Management – Master's
- Rangeland Ecology – Bachelor's
- Rangeland Ecosystem Engineering – Master's
- Rangeland Function Modeling – Master's
- Rangeland Improvement – Bachelor's
- Rangeland Improvement and Development – Bachelor's
- Rangeland Management – Bachelor's
- Rangeland Measurement and Assessment – Bachelor's
- Rangeland Monitoring and Assessment – Master's
- Rangeland Plant Cultivation and Propagation – Bachelor's
- Rangeland Plant Identification (2) – Bachelor's
- Research Methods – Master's
- Rural and Nomadic Sociology – Bachelor's
- Statistics – Bachelor's
- Statistics and Probability – Bachelor's

- Utilization of Rangeland By-products – Bachelor’s

Languages

- Persian (Native)
- English (Fluent)