

Professor of Silviculture and Forest Ecology
Department of Silviculture and Forest Ecology, Faculty of Forest Sciences
Gorgan University of Agricultural Sciences and Natural Resources

Education

Ph.D: Tarbiat Modares University, Forest Sciences, 1993-1998
M.Sc: University of Tehran, Forestry, 1989-1991
B.Sc: University of Mazandaran, Forestry, 1986-1987
A.S: University of Mazandaran, Natural Resources, 1984-1985

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Offered Courses

- Fundamentals of Ecology
- Forest Ecology
- Dendrology
- Dendrology - Broadleaf
- Dendrology - Gymnosperm
- Biodiversity of the Forest Ecosystem
- Assessing Ecological Potential of Forest
- Statistical Ecology

Professional Service

- President of the Gorgan University of Agricultural Sciences and Natural Resources, 2006-2014
- Vice Chancellor for Education of the Gorgan University of Agricultural Sciences and Natural Resources, 2003-2006
- Vice Chancellor for Education and Research of the Faculty of Forestry and Wood and Paper Engineering, Gorgan, 2001-2003
- Member of the Editorial Board of Iranian Journal of Ecohydrology, 2021-2023
- Member of the Editorial Board of Iranian Journal of Forest and Poplar Research, 2020-2022
- Member of the Editorial Board of the Journal of Forest and Wood Products, 2015-2016
- Member of the Editorial Board of Environmental Resources Research, 2013-2024
- Member of the Editorial Board of Wood and Forest Science and Technology, 2009-2013
- Scientific Secretary of the 26th International Taxus Conference, University of Agricultural Sciences and Natural Resources, Gorgan, Apr. 30, 2018
- Scientific Secretary of the National Conference on Sustainable Management and Ecosystem Services of Natural and Planted Forests, University of Agricultural Sciences and Natural Resources, Gorgan, Oct. 20, 2020

Articles

Journal Paper

- Kardgar N, **Rahmani R**, Zare H, Ghorbani S. Assessing the effect of plot size on species diversity in a mixed oriental beech forest. *Journal of Forestry Research*. 2025; 36(4). <https://doi.org/10.1007/s11676-024-01796-6>
- Mohammadi Y, Mohammadi J, Riyahi Bakhtiyari HR, Shataee Jouibary Sh, **Rahmani R**. Comparison of leaf area index and quantitative characteristics of forest stands structure in managed and unmanaged forest stands in ShastKalateh forests of Gorgan. *Journal of Wood and Forest Science and Technology*. 2025; 31(4): 63-79. doi:10.22069/JWFST.2025.23156.2088 (in Persian)
- Ganji Vatan A, Ezzati S, Tavankar F, **Rahmani R**. The effect of skid trail designs on the recovery of soil physical properties. *Forest Research and Development*. 2025; 11(2): 205-222. doi:10.30466/jfrd.2025.55964.1754 (in Persian)
- Ganji A, Ezzati S, Tavankar F, **Rahmani R**. Assessment of the recovery of compacted soil physical properties after skidding operations in Kuhmian forests in Golestan province. *Journal of Water and Soil Conservation*. 2025; 32(2), 165-182. doi:10.22069/jwsc.2025.22914.3768 (in Persian)

- Tabatabaei RS, Habashi H, **Rahmani R**. Seasonal variations in earthworm density and biomass across low-altitude natural stands and plantations, and their relationship with soil properties. *Journal of Wood and Forest Science and Technology*. 2024, 31(3): 1-16. doi:10.22069/JWFST.2024.22587.2068 (in Persian)
- Seyed Mousavi SZ, Mohamadi J, Darvishzadeh R, Shtae Jouibary S, **Rahmani R**, Ghorbani K. The effects of changes in the forest structure's quantitative traits on the leaf area index in Hyrcanian forests, Golestan province. *Ecology of Iranian Forest*. 2024; 12(2): 59-72. doi:10.61186/ifej.12.2.59 (in Persian)
- Seyed Mousavi SZ, Mohammadi J, Darvishzadeh R, Shataee S, **Rahmani R**, Gorbani K. The effect of physiographic factors on the leaf area index in broadleaf forests of Golestan province. *Journal of Wood and Forest Science and Technology*. 2024; 31(1): 95-120. doi:10.22069/jwfst.2024.22089.2054 (in Persian)
- Mohammadnezhad Kiasari S, Sagheb-Talebi K, **Rahmani R**. Comparison of the abundance and diversity of soil invertebrates between managed and unmanaged compartments in the Haftkhal forests of Mazandaran. *Iranian Journal of Forest*. 2024; 15(4): 481-495. doi:10.22034/ijf.2023.364122.1895 (in Persian)
- Ghorbani H, **Rahmani R**, Habashi H. Changes of structural attributes mixed beech stand in different tree stories Shastkalateh forest, Gorgan. *Journal of Wood and Forest Science and Technology*. 2024; 31(2): 31-47. doi:10.22069/jwfst.2024.22396.2061 (in Persian)
- Kiasari MSh, Sagheb-Talebi Kh, **Rahmani R**, Ghelichnia H. Comparison of plant diversity between managed and unmanaged forests in Haftkhal, Mazandaran Province, North of Iran. *Asian Journal of Forestry*. 2023; 7(2): 106-113. doi:10.13057/asianjfor/r070205
- Ghaderi P, Mohammadi J, Shataee S, **Rahmani R**, Kariminejad N. Efficiency of nonlinear mixed-effects model in determining height-diameter equations of velvet maple and ironwood trees. *Iranian Journal of Forest*. 2023; 14(4): 473-485. doi:10.22034/ijf.2022.319698.1835 (in Persian)
- Golovatch SI, Izadi M, Habashi H, Shayanmehr M, **Rahmani R**, Rafiee F. An updated checklist of the millipedes of Iran (*Diplopoda*), with special emphasis on the fauna of Hyrcania, including noteworthy records of three species from its easternmost part. *Arthropoda Selecta*. 2022; 31(3): 265-270.
- Izadi M, Habashi H, Shayan Mehr M, **Rahmani R**, Rafiee Jazi F. Effect of simulation of throughfall exclusion and increasing ambient temperature on the litter decomposition rate of Hornbeam and Chestnut-leaved oak species. *Journal of Forest Research and Development*. 2022; 8(1): 1-11 (in Persian)
- Amini S, Moayeri MH, Shataee S, **Rahmani R**. Canopy gap delineation using UAV data in a Hyrcanian forest (Case study: Shastklateh forest). *Iranian Journal of Forest*. 2022; 14(2): 135-154 (in Persian)
- Rafiee F, Habashi H, **Rahmani R**. Annual variability of soil, microbial, and root respiration rates in a mixed Oriental beech-Hornbeam stand (Case study: Shast-Kalateh forest of Gorgan). *Forest and Wood Products*. 2021; 74(1): 43-55 (in Persian)
- Radaee M, Habashi H, **Rahmani R**, Shataee S, Sohrabi H. The effect of harvesting intensity in single-tree selection on biomass of Hornbeam-Persian ironwood stand. *Journal of Forest Research and Development*. 2021; 7(3): 359-373 (in Persian)
- Masihpour M, Darvishsefat AA, **Rahmani R**, Fatehi P. Phenological parameters trend of the southern Zagros forests based on MODIS-NDVI time series during 2000-2017. *Iranian Journal of Forest*. 2021; 12(4): 577-590 (in Persian)
- Amini S, Moayeri MH, Shataee S, **Rahmani R**. Geometric indices and regeneration species diversity in natural and man-made canopy gaps. *Journal of Wood and Forest Science and Technology*. 2021; 28(1): 1-20 (in Persian)
- Nourolahi SS, **Rahmani R**, Habashi H, Castagneri D. Impact of plot area on structural attributes estimation in a mixed Beech (*Fagus orientalis* Lipsky) stand. *Iranian Journal of forest and poplar research*. 2020; 28(1): 1-13 (in Persian)
- Mohammadnezhad Kiasari S, Sagheb-Talebi K, **Rahmani R**. Ecological assessment of Swiss and Danish thinning methods on Brutia pine (*Pinus brutia* Ten.) reforestation in Neka area, Mazadaran province. *Ecology of Iranian Forests*. 2020; 8(15): 41-52 (in Persian)

- Kardgar N, **Rahmani** R, Zare H, Ghorbani S. Species diversity of trees and forest floor plants in Oriental beech forest types of Shastkalate educational and research forest, Gorgan). *Ecology of Iranian Forests*. 2020; 8(16): 125–135 (in Persian)
- Habashi H, Moslehi M, Shabani E, Pypker T, **Rahmani** R, Chemical content and seasonal variation of throughfall and litterflow under individual trees in the Hyrcanian forests of Iran. *Journal of Sustainable Forestry*. 2019; 38(2): 183-197.
- Rafiee F, Habashi H, **Rahmani** R. The effect of simulation of rainfall reduction on soil organic carbon and microbial biomass carbon in managed and unmanaged forest. *Iranian Journal of forest and poplar research*. 2019; 27(3): 335–348 (in Persian)
- Rafiee F, Habashi H, **Rahmani** R, Sagheb-Talebi K. Temperature sensitivity of soil carbon dioxide efflux in beech-hornbeam stand (Case study: Shast-kalateh forest, Gorgan), *Iranian Journal of forest and poplar research*. 2019; 27(1): 112–123 (in Persian)
- Masihpour M, Darvishsefat AA, **Rahmani** R. Long-term trend analysis of vegetation changes using MODIS-NDVI time series during 2000-2017 (Case study: Kurdistan province), *Forest and Wood Products*. 2019; 72(3): 193–204 (in Persian)
- Rafiee F, Habashi H, **Rahmani** R, Sagheb-Talebi K. Temporal variation of microbial biomass carbon and microbial quotient in a mixed Beech stand (Case study: Dr. Bahramnia forestry plan, Gorgan). *Forest and Wood Products*. 2018; 70(4): 659–670 (in Persian)
- Mohammadnezhad Kiasari S, Sagheb-Talebi K, **Rahmani** R, Dastangoo D. Assessment of plant and soil invertebrates diversity at development stages of natural beech stand, Haftkhal forest (Mazandaran). *Forest and Wood Products*. 2018; 71(3): 185–197 (in Persian)
- Rahbari Sisakht S, Moayeri MH, Abdi E, **Rahmani** R, Pahlavani MP. Assessing the edge effect of forest road geometric plan in various forest types on plants biodiversity of adjacent stands (Case study: district No. 1 Dr. Bahram-nia forest- Gorgan). *Journal of Forest Research and Development*. 2018; 4(2): 145–160 (in Persian)
- Amini R, **Rahmani** R, Parhizkar P. Comparison of developmental stages in Beech-Hornbeam stands using non-spatial indices of stand structure. *Iranian Journal of Forest and Poplar Research*. 2018; 26(2): 156–167 (in Persian)
- Ghorbani H, **Rahmani** R, Ali Aarb A, Karimidoost A. Trends in woody species diversity across different age classes of *Pinus brutia* and *Cupressus horizontalis* plantations in Ghapan region, East of Golestan. *Ecology of Iranian Forests*. 2018; 6(11): 21–30 (in Persian)
- Habashi H, **Rahmani** R, Sagheb-Talebi K, Shabani E. Monthly changes in the quantity of throughfall and water infiltration of litter in Hyrcanian forest stands. *Iranian Journal of forest and poplar research*. 2018; 26(1): 93–103 (in Persian)
- Moslehi M, Habashi H, **Rahmani** R, Sagheb-Talebi K. Relationship between soil organic carbon pool and some site variables in the mixed Beech-Hornbeam stand. *Journal of Forest Research and Development*. 2018; 3(4): 329–342 (in Persian)
- Habashi H, Moslehi M, **Rahmani** R, Sagheb-Talebi K. Investigation of soil organic carbon pool in mixed beech-hornbeam (Case study: Shastkolteh forest). *Forest and Wood Products*. 2018; 70(4): 609–616 (in Persian)
- Beiranvand S, **Rahmani** R, Habashi H. Impact of seasonal variation and tree canopy on density and biomass of earthworm in Brant's oak (*Quercus brantii* Lindl.) high forest. *Iranian Journal of Forest and Poplar Research*. 2018; 25(4): 697–706 (in Persian)
- Ghorbani S, **Rahmani** R. Seasonal and periodic variability of stemflow, throughfall, and interception loss of Oriental beech stands in Shast-Kalate forest. *Iranian Journal of Forest*. 2018; 9(4): 527–540 (in Persian)
- Moslehi M, Habashi H, **Rahmani** R, Sohrabi H, Sagheb-Talebi K. Soil organic carbon and soil organic carbon pool in the managed and unmanaged beech-hornbeam stand. *Journal of Environmental Science and Technology*. 2017; 19(4): 440–450 (in Persian)

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- Rafiee F, Habashi H, **Rahmani R**, Sagheb-Talebi K. Effect of selection system on variability of some soil microbiological parameters in mixed Beech stand of Hyrcanian forests. *Journal of Forest Research and Development*. 2017; 3(3): 191–205 (in Persian)
- Moslehi M, Habashi H, **Rahmani R**. Seasonal changes of soil organic carbon pool in the managed and unmanaged beech-hornbeam stands. *Iranian Journal of Forest and Poplar Research*. 2017; 25(2): 286–297 (in Persian)
- Feizi Kamareh T, **Rahmani R**, Soltanloo H, Matinizade M. Evaluating the effects of *Funneliformis mosseae* on expression of dehydrin during drought stress on Iranian pistachio (*Pistacia vera* L.). *Iranian Journal of Rangelands and Forests Plant Breeding and Genetic Research*. 2017; 25(2): 314–323 (in Persian)
- Habashi H, Abbasi A, **Rahmani R**, Moayeri MH. Estimation of earthworm biomass in canopy gaps and mixed Beech forest. *Iranian Journal of Forest*. 2017; 9(1): 43–56 (in Persian)
- Feizi Kamareh T, **Rahmani R**, Soltanloo H, Matinizade M. Producing and evaluating some morphological characteristics of common pistachio (*Pistacia vera* L.) mycorrhizal seedlings. *Iranian Journal of Forest and Poplar Research*. 2017; 25(1): 106–115 (in Persian)
- Feizi Kamareh T, **Rahmani R**, Soltanloo H, Matinizade M. Effect of water stress on the growth and antioxidant enzymes activities of pistachio mycorrhiza seedlings (*Pistacia vera* L.). *Iranian Journal of Forest*. 2017; 8(4): 507–518 (in Persian)
- Taati S, Matinizadeh M, Sagheb-Talebi K, **Rahmani R**, Habashi H. Impact of gap size and light intensity on activity of soil phosphatase enzyme in Beech stands (Case study; control plot: Langa-Kelardasht). *Journal of Plant Researches*. 2016; 29(3): 532–539 (in Persian)
- Waez Mousavi SM, Habashi H, Sagheb-Talebi K, **Rahamani R**. Effect of single-tree selection system on regeneration in a mixed Beech forest (Case study: Dr. Bahramnia forestry management plan). *Journal of Wood and Forest Science and Technology*. 2016; 22(4): 125–146 (in Persian)
- Amiri M, **Rahmani R**, Sagheb-Talebi K. Canopy gaps characteristics and structural dynamics in a natural unmanaged oriental beech (*Fagus orientalis* Lipsky) stand in the north of Iran. *Caspian Journal of Environmental Sciences*. 2015, 13(3): 259–274.
- Ghorbani S, Jalilvand H, **Rahmani R**, Hojjati M. Measuring and modelling Stemflow in an Oriental beech stand of the Hyrcanian region, Iran. *International Journal of Forest, Soil and Erosion*. 2015; 5(2): 52–56.
- Habashi H, **Rahamani R**. Relationship between crown thickness with soil organic matter and microbial respiration in Shastkolateh mixed Beech forest, Gorgan. *Journal of Wood and Forest Science and Technology*. 2015; 22(3): 143–157 (in Persian)
- Taati S, **Rahmani R**, Sagheb-Talebi K, Matinizadeh M, Habashi H. Influence of gap creation on soil enzymes activity in an Oriental beech stand (Case study: Langa control plot). *Iranian Journal of Forest and Poplar Research*. 2015; 23(2): 332–341 (in Persian)
- Moslehi M, Habashi H, Khormali F, **Rahmani R**, Mohamad Ali Pourmalekshah AA. Monthly variation of soil chemical properties in the mixed Beech-Hornbeam stand. *Journal of Human and Environment*. 2015; 32(1): 23–34 (in Persian)
- Moslehi, M, Habashi H, Khormali F, **Rahmani R**, Mohamad Ali Pourmalekshah AA. Chemical properties of throughfall and forest floor leaching in *Fagus orientalis* trees within growing and non-growing periods. *Iranian Journal of Forest and Poplar Research*. 2015; 23(1): 25–36 (in Persian)
- Amiri M, **Rahamani R**, Sagheb Talebi K, Habashi H. Structural characteristics of dead wood in a natural untouched of *Fagus orientalis* Lipsky mixed stand forest (Case Study: Shastklateh Forest, Gorgan, Iran). *Journal of Wood and Forest Science and Technology*. 2015; 22(1): 185–205 (in Persian)
- Radaei M, **Rahmani R**. Response of number and dry weight of earthworms' in forest types in Hyrcanian forest. *International Journal of Current Life Sciences*. 2014; 4(9): 29–32

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- Mohammadi S, **Rahmani** R, Arabali R. Measuring throughfall and interception loss in Horizontal cypress and Turkish pine afforestations and a natural stand of Chestnut-leaved oak at Kohmian of Azadshahr, Iran. *Iranian Journal of Forest*. 2014; 6(3): 363–376 (in Persian)
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- Amiri M, **Rahmani** R, Sagheb-Talebi K, Habashi H. Dynamics and structural characteristics of a natural unlogged Oriental beech (*Fagus orientalis* Lipsky) stand during a 5-year period in Shast-Kalate forest, Northern Iran. *The International Journal of Environmental Resources Research*. 2013; 1(2): 107–129.
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- Sohrabi V, **Rahmani** R, Moayeri MH, Jabbari S. Comparison of Tree and Shrub Species Richness in Golestan Province Forests. *Forest and Rangeland Journal*. 2013; 95-96: 62-65 (in Persian)
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- Mohammadnejad Kiasari S, Sagheb-Talebi K, **Rahmani** R, Akbarzadeh M. Comparison of plants diversity in natural forest and afforestations (case study: Darabkola, Mazandaran). *Journal of Wood and Forest Science and Technology*. 2013; 4(19): 59–76 (in Persian)
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- Mahdiani AR, Heydari H, **Rahmani** R, Azadfar D. Structure of Oak (*Quercus macranthera*) forest stands in the Golestan Province. *Journal of Wood and Forest Science and Technology*. 2012; 19 (2): 23–42 (in Persian)
- Zoghi M, **Rahmani** R, Moayeri MH. Growth Structure and Certain Quantitative Characteristics of Oriental Beech (*Fagus orientalis*) Seedlings within Canopy Openness and Beneath Closed Canopy in a Mixed Beech Forest. *Forest and Rangeland Journal*. 2012; 90-91: 14-21 (in Persian)
- Alavi SJ, Zahedi Amiri G, **Rahmani** R, Marvi Mohajer MR, Muys B, Fathi J. Extracting ecological optimum and amplitude of *Fagus orientalis* along environmental gradients in Kheyroud forest, Nowshahr. *Journal of Natural Environmental*. 2012; 64(4): 399–415 (in Persian)
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- Mohammadnejad Kiasari S, Sagheb-Talebi K, **Rahmani** R, Amoozad M. Comparison of Soil Invertebrate Biodiversity in Natural Forests and Reforestation Areas of Sari Region (0-10 cm Soil Depth). *Journal of Forest Sciences and Natural Resources*. 2011; 2(6): 55–69 (in Persion)
- Amini R, **Rahmani** R, Habashi H. Nitrogen, phosphorus, and carbon dynamics of Hornbeam leaf litter (Case study: District one, Shastkalate forest, Gorgan). *Iranian Journal of Forest and Poplar Research*. 2011; 19(1): 94–103 (in Persion)
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- Mohammadnejad Kiasari S, Sagheb-Talebi K, **Rahmani** R, Adeli EA, Jafari B, Jafarzadeh H. Quantitative and qualitative evaluation of plantations and natural forest at Darabkola, east of Mazandaran. *Iranian Journal of Forest and Poplar Research*. 2010; 18(3): 337–351 (in Persion)
- Nouri Z, Feghhi J, Zahedi Amiri G, Zobeiri M, **Rahmani** R. The study of shrub and tree species diversity and its application in forest planning (Case study: Patom district, Kheyroud forest). *Journal of Forest and Wood Products*. 2010; 63(2): 201–214 (in Persion)
- Kiasari SM, Sagheb-Talebi K, **Rahmani** R, Adeli E, Najafi F. Seasonal variation of light intensity at natural and planted forests (Case study: Darabkola, Mazandaran, Iran). *Journal of Forest and Wood Products*. 2010; 63(1): 61–76 (in Persion)
- Mohammadnezhad Kiasari S, Sagheb-Talebi K, **Rahmani** R, Ghasemi Chapi O. Seasonal variation of earthworm abundances and biomass in natural forests and plantations (North of Iran). *Caspian Journal of Environmental Sciences*. 2009; 7(2): 87–98.
- Ahmadi MT, Attarod P, Marvi Mohajer MR, **Rahmani** R, Fathi J. Partitioning rainfall into throughfall, stemflow, and interception loss in an oriental beech (*Fagus orientalis* Lipsky) forest during the growing season. *Turkis Journal of Agriculture and Forestry*. 2009; 33: 557–568.
- Irannejad E, **Rahmani** R. Evaluation of earthworm abundance and vertical distribution pattern in some forest types of Shast-Kolateh. *Journal of Forest and Wood Products*. 2009; 62(2): 145–157 (in Persion)
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- Ghorbani S, **Rahmani** R. Estimating of interception loss, stemflow and throughfall in a natural stand of Oriental beech (Shastkalateh forest). *Iranian Journal of Forest and Poplar Research*. 2009; 16(4): 638–648 (in Persion)
- Habashi H, Hosseini SM, **Rahmani** R, Mohammadi J. Stand structure and spatial patterns of trees in mixed hyrcanian beech forest, Iran. *Pakistan Journal of Biological Sciences*. 2007; 10(8): 1205-1212.
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- Habashi H, Hosseini SM, Mohammadi J, **Rahmani** R. Geostatistic applied in forest soil studying processes. *Journal of Agricultural Sciences and Natural Resources*. 2007; 14(1): 18–27 (in Persion)

- Habashi H, Hosseini SM, Mohammadi J, **Rahmani R**. Stand structure and spatial pattern of trees in mixed Hyrcanian Beech forests of Iran. Iranian Journal of Forest and Poplar Research. 2007; 15(1): 55–64 (in Persian)
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- **Rahmani R**, Mayvan HZ. Diversity and assemblage structure of soil invertebrates in Beech, Hornbeam and Oak-Hornbeam forest types. Iranian Journal of Natural Resources. 2004; 56(4): 425–436 (in Persian)
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- **Rahmani R**, Mohammadnejad Kiasare S. Relation between Millipedes abundance and litter nutritional elements composition in afforested and disturbed sites (Case study: Darabkola-Mazandaran). Iranian Journal of Natural Resources. 2003; 56(3): 201–212 (in Persian)
- Mohammad nejad Kiasari S, **Rahmani R**. Effect of dead trees on the frequency of natural regeneration in a Beech-Hornbeam forest (Jamaledinkola, Mazandaran). Iranian Journal of Natural Resources. 2001; 54(2): 143–151 (in Persian)
- **Rahmani R**, Saleh-Rastin N. Abundance, vertical distribution and seasonal changes in earthworm populations of Oak-Hornbeam, Hornbeam and Beech forests in Neka, Caspian forests, Iran. Iranian Journal of Natural Resources. 2000; 53(1): 37–5 (in Persian)
- Zare H, Asadullahi F, **Rahmani R**. An introductory study on the association of Celtiseto-Buxetum in Mazga- Nowshahr forest. Research and Construction, 1998; 39(2): 4–9 (in Persian)
- **Rahmani R**. Number and biomass of soil mites in Neka, Caspian forests. Journal of Agricultural Sciences and Natural Resources. 1998; 5(1–2): 14–22 (in Persian)
- Javanshir K, **Rahmani R**, Shirvani A, Yazdian F. Phenology of Forest Trees and Temperature Variation Patterns in the Caspian Kheyrood-kenar Forests. Iranian Journal of Natural Resources. 1997; 50(1): 29–43 (in Persian)

Theses

Ph.D dissertations

- **Spatial pattern of stand structure in a mixed Oriental beech forest (The permanent research plot of Shast-kalate, Gorgan)**
Nourolahi Gizeroud SS, 2022
PhD in Silviculture and Forest Ecology, Gorgan University of Agricultural Sciences and Natural Resources, College of Forest Sciences
- **Analysis of the spatial structure of plant species diversity in mixed Beech (*Fagus orientalis* Lipsky) forest of Shastkalate**
Kardgar Baladehi N, 2021
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- **Comparison of silvicultural characteristics in beech-hornbeam stands at developmental stages, mid-elevation of Hajikola Forest**
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- **Evaluation of drought tolerance by arbuscular mycorrhizal symbiosis in *Pistacia vera* L. and genetic variation comparison in natural habitats of Ghazanghaye, Sarakhs, Agh-Ghalee and Past darreh by AFLP molecular marker**
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- **Effect of shelter wood system in Beech stands structure in the forest area Hajycolla-Tyrancoly (Case study: seri 2 Karnam)**
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