

In The Name of God



RESUME

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۱) B. Sc. In Environment science, Tehran University, ۱۹۷۹ Iran.

۲) M. Sc. In Forest Ecology, Tokyo University of Agriculture and Technology,
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III- Research Interests:

- ۱) Forest Ecology
- ۲) Wetland Vegetation Management
- ۳) Sustainable Development in Environment

IV- Research Publications:

- ۱)-Regeneration process of *Fagus orientalis* forest after cutting in Iran, ۱۹۹۰, J.jpn.for.soc.۷۷ (۲); ۱۷۰-۱۷۸
- ۲)-A comparative study of the vegetation structure of *Fagus orietalis* forests in Iran and *Fagus crenata* forests in Japan, ۱۹۹۰, J.phytogeogr.& taxon.۴۳; ۷۰-۸۰
- ۳)- Studies on the regeneration of siebold beech (*Fagus crenata*) forests after cutting at Tambara Highland, Japan (I), Relationship between the growth of seedlings and saplings of siebold beech (*Fagus crenata*) and the old, ۱۹۹۲, Shinrin-Bunka-Kenkyu, J. ۱۳, in Japanese with English summary.
- ۴)- Studies on the regeneration of siebold beech (*Fagus crenata*) forests after cutting at Tambara Highland, Japan (II), Comparison of the regeneration process among beech forests disturbed to various grades, ۱۹۹۳, Shinrin-Bunka-Kenkyu, J. ۱۴, in Japanese with English summary.
- ۵)- Studies on the regeneration of siebold beech (*Fagus crenata*) forests after cutting at Tambara Highland, Japan (III), Comparison of the regeneration between the neighboring beech forests disturbed by the cutting of different intensities, Shinrin-Bunka-Kenkyu, J. ۱۴, in Japanese with English summary.

- ۴)- Phytosociological studies on the siebold,s beech (*Fagus crenata* Blume) forests at Tambara Highland, Japan. Shinrin-Bunka-Kenkyu, J. ۱۵, in Japanese with English summary.
- ۵)-The ecological study of pistachio association from settlement to ۱۰cm collar diameter in Firoozabad, Fars province, Iran., ۱۹۹۹, Pajouhesh & Sazandegi, No ۴۴,(In Persian with English summary).
- ۶)- Diversity of Woody Species of Common Walnut (*Juglans regia* L.) Sites in the Guilan Forests. ۱۹۹۹, Iranian J.Natural Res. Vol.۵۲, No. ۱ ,(In Persian with English summary).
- ۷)- Consideration on Methods of Forest Ecological Capability Evaluation, ۲۰۰۰, Iranian Journal of Environmental sceinces, No ۲۵, (In Persian with English summary).
- ۸)- Effect of Relative Illumination on Establishing and Growth of one year old Graft and three years old Sapling of common Yew(*Taxus baccata*), ۲۰۰۰, Journal of Agriculture and Natural resources No. ۱, ۷. (In Persian with English summary).
- ۹)- Ecological Capability Evaluation of two Sites of “*Cupressus sempervirens*” in Northern Forests of Iran, ۲۰۰۱, Daneshvar, No. ۳۱,(In Persian with English summary).
- ۱۰)- Ecological Capability Evaluation of two Sites of “*Taxus baccata*” in Northern Forests of Iran, ۲۰۰۱, Pajohesh & Sazandegi,No ۵۱,(In Persian with English summary).

- ۱۳)- Investigation on Phenology of different poplar clones in collection at Karaj research station during ۱۹۹۷ & ۱۹۹۸ period, ۲۰۰۱, Iranian Forest and Poplar Research (۶), Technical Publication No. ۲۵۹, ,(In Persian with English summary).
- ۱۴)- Growth Response of Eight Hardwood Species to Current and Past Three Years Climate Variations in Regression Models, ۲۰۰۱, Journal of Agricultural Sciences and Technology, No ۳. (In English)
- ۱۵)- Consideration on the effect of degradation causes (livestock grazing and forest villagers) on the change of vegetation and plant elements of Chelave forests, ۲۰۰۲, Pajohesh & Sazandegi, No ۵۵, (In Persian with English summary).
- ۱۶)- Comparison of Pure and Mixed stand of *Populus deltoides*. ۲۰۰۲, Pajohesh & Sazandegi, No. ۵۸. (In Persian with English summary).
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- ۱۸)- A study of Phytosociology of Eastern Ardabil forests (Asigharan, Fandoghloo, Hasani and Bubini). ۲۰۰۴, Journal of Agriculture and Natural resources No. ۱۴ Vol. ۱۰۰, ,(In Persian with English summary).
- ۱۹)- Plant Biodiversity of Khojir National park in compare with Jageroud protected area. ۲۰۰۶, Iranian Journal of Environmental sceinces, **in press** ,(In Persian with English summary).
- ۲۰) - Effect of shade on survival and growth of seedling of Iranian Oak (*Quercus macranthera*), ۲۰۰۴, Pajohesh & Sazandegi In Agronomy & Horticulture No. ۶۱. (In Persian with English summary).

- ۲۱)- Study of peroxides and alpha-amylase activities in different growth stages of Beech (*Fagus orientalis* Lipsky). ۲۰۰۴, Pajohesh & Sazandegi, No. ۶۲. (In Persian with English summary).
- ۲۲)- Ecological study of *Betula pendula* Stands in Hyrcanian forest, North Iran. *Acta Botanica Hungarica* ۴۶ (۱-۲), pp. ۱۴۳-۱۵۱, ۲۰۰۴. **ISI**.
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- ۲۵)- Investigation of genetic variability of wild service (*Sorbus torminalis* L. Crantz) by using of fruit traits in Farim Forest of Mazandaran province. ۲۰۰۳, Iranian journal of Rangeland and Forests Plant Breeding and Genetic Research. Vol. ۱۱ No. (۲). (In Persian with English summary).
- ۲۶) – Introduction of New Formulas for Assessment of Woody Plant Biodiversity. **ISI** Journal of Forest Science. No ۳, ۲۰۰۳.
- ۲۷) – Natural Regeneration Problems of Yew in Hyrcanian Forests of Iran. **ISI** Journal of Forest Science. No ۳, ۲۰۰۳.
- ۲۸) – The effect of nursery situation on seeds of *Sorbus torminalis* in different altitude, ۲۰۰۶. Iranian J. of Natural Res. Vol. ۵۹, No. ۲.
- ۲۹) – Influence of light intensity and root pruning on survival and vitality of Oak seedling (*Quercus castaneifolia* C.A.Mey). ۲۰۰۵, Pajohesh & Sazandegi, No. ۶۹.

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- ۴۴- D. Kartoolinejad, S. M. Hosseini, S. K. Mirnia, Tabib zadeh G. Z. and **M. Akbarinia**. The Effect of Mistletoe (*Viscum album*) on Macronutrients N, P, K and Ca of Hornbeam and Ironwood tree in Hyrcanian Forests. Iranian Journal of Biology, Vol. ۲۰ No. ۱, ۲۰۰۷.
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- ۶۰- Yousefzadeh H., Akbarian M.R., **Akbarinia M.** Variation in Leaf Morphology of *Parrotia persica* Along an Elevational Gradient in Eastern Mazandaran Province (N. Iran) **ROSTANIHA** ۲۰۰۸; ۹(۲ (۳۱)): ۱۷۸-۱۸۹. **ISI**
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۲۸)- Correlation between seeds traits and altitude of sea level in *Quercus branti*. EURECO ۲۰۰۵ congress, November ۲۰۰۵, Kusadasi, Turkey.

۲۹)- A. B. Shafiee, **M. Akbarinia**, S. G. Jalali , Pirous Azizi, S. M. Hosseini. The Effects of Fire on Forest Structure and Regeneration in Khroudkenar Forest, Nowshahr, Iran. V International Conference of Forest Fire Research. November, ۲۰۰۶, Coimba, Portugal, **Full Text**.

۳۰)- Javad mirzaei, **Moslem Akbarinia**, Seyed Mohsen Hosseini. The assessment of relationship between biodiversity of woody and ground vegetation species and soil physiochemical characteristics and physiographic in central Zagros forests. ۱۴th National & ۲th International Conference of Biology. T.M.U. Tehran Iran ۲۰۰۶.

- ۳۱)- H.Zare, **M. Akbarinia**, S. M. Hosseini, H. Ejtehad, S. Gh. Jalali. Using Parametric Methods of Diversity to Compare Ecological Groups of Highland Forests in Dodangeh , S-Sari. ۱۴th National & ۲th International Conference of Biology. T.M.U. Tehran Iran ۲۰۰۶.
- ۳۲) - A. B. Shafiee, **M. Akbarinia**, S. G. Jalali , Pirous Azizi, S. M. Hosseini. Effect of Fire on Herbal Layer Biodiversity in Khiroudkenar Educational Forest, Series No. ۴, Nowshahr, Iran. ۱۴th National & ۲th International Conference of Biology. T.M.U. Tehran Iran ۲۰۰۶.
- ۳۳)- H. Zare, **M. Akbarinia**, M. Tabari, T. Amini-Eshkeveri, B. Jafari. Comparison of species diversity in forest types in relation to geographic aspects alteration in Masoleh forests of Guilan, Iran. The First National Conference of Ecology. Alzahra University, Tehran, Iran. ۲۰۰۶.
- ۳۴)- **M. Akbarinia**, H. Zare, S. M. Hosseini, H. Ejtehad. Clustering and Chorological Analysis of Chomophyte species in Dodangeh Sari, Iran. The First National Conference of Ecology. Alzahra University, Tehran, Iran. ۲۰۰۶.
- ۳۵)- T. Amini-Eshkeveri, H. Zare, **M. Akbarinia**, D. Golalizadeh, M. Rezaei. Ecological Consideration of the population of two new and unique woody species in North forests of Iran. Alzahra University, Tehran, Iran. ۲۰۰۶.
- ۳۶)- Javad mirzaei, **Moslem Akbarinia**, Seyed Mohsen Hossein, Hossein Naderi. Consideration of vegetation in relation to Physiographic factor in middle Zagrosian forests ecosystem. ۷th regional conference of agriculture and natural resources in Azad university of Tabriz, Iran, ۲۰۰۶.
- ۳۷)- Leila Vatani and **Moslem Akbarinia**. The Effects Of Plantation On Biodiversity And Regeneration Of Woody Species (In Mazandaran Wood and Paper industries

forests). International conference on environment: Survival and Sustainability. ۲۰۰۷, Nicosia, Cyprus.

۳۸)- **Moslem Akbarinia** , Sohrabi Hormose, Seyed Mohsen Hosseini. Biodiversity in ecological plant species groups in western oak forests of Iran. International conference on environment: Survival and Sustainability. ۲۰۰۷, Nicosia, Cyprus.

۳۹)- E. Rohimoghaddam, **M. Akbarinia**, S. GH. Jalali, S. M. Hosseini. The recognition of plant association and composition elements of Sangchal forests of Mazandaran, Iran. . International conference on environment: Survival and Sustainability. ۲۰۰۷, Nicosia, Cyprus.

۴۰)- S. Mohsen Hosseini, **Moslem Akbarinia**. Environmental Law and Forest Legislation In Iran. International conference on environment: Survival and Sustainability. ۲۰۰۷, Nicosia, Cyprus.

۴۱)- S. M. Hosseini, D. Kartoolinejad, S. K. Mirnia, **M. Akbarinia**, F. Shayanmehr. *Parrotia persica* and *Carpinus betulus* Infection by *Viscum album* Misteltoe in Caspian forest of Iran International conference on environment: Survival and Sustainability. ۲۰۰۷, Nicosia, Cyprus

۴۲) H. Zare, **M. Akbarinia**, T. Amini-Eshkeveri. Consideration and comparison of species diversity in different forest types depend on geographical aspects in Masoleh forest s of Guilan (Iran). In ۱st National Plant Taxonomy Conference of Iran. ۳th September ۲۰۰۷, Tehran , Iran.

۴۳)- Javad mirzaei, **Moslem Akbarinia**, Mojtaba Amiri. The assessment of woody and ground vegetation biodiversity in different aspects of north of Zagros forest. Second national congress Iran Agriculture Ecology. ۱۷-۱۸ October ۲۰۰۷. Gorgan, Iran.

- ۴۴- Saied Shabani, **Moslem Akbarinia**, Yahya Kooch. Consideration of snags of gaps in virgin beech forest. The ۱st international conference on the Caspian Region Environmental changes, ۲۴-۲۵ August ۲۰۰۸, Babolsar, Iran.
- ۴۵- Saied Shabani, **Moslem Akbarinia**, Yahya Kooch. The necessity of gap study. The ۱st international conference on the Caspian Region Environmental changes, ۲۴-۲۵ August ۲۰۰۸, Babolsar, Iran.
- ۴۶- Saied Shabani, **Moslem Akbarinia**, Ahad Tavasoly. New methods of biodiversity conservation and decreasing species degradation. The first provincial congress of biological science, ۱۵ May ۲۰۰۸, Azad university of Hamadan.
- ۴۷- Saied Shabani, **Moslem Akbarinia**, Saied Varamesh, Behzad Behtary. Forests and global challenge of sustainable development. ۱۰ June ۲۰۰۸, Azad university of Marvdasht.
- ۴۸- Saied Shabani, **Moslem Akbarinia**. Application of New Methods in Increase of Ecological Diversity. ۱۷-۱۸ Oct. ۲۰۰۸, The first national student conference of Biology and New world. Agriculture and Natural Resources University of Gorgan, Iran.
- ۴۹- Yahya Kooch, **Moslem Akbarinia**, Hamid Jalilvand. Ecological Study of Earthworms as Bio- Indicators in Forest Ecosystems. ۱۷-۱۸ Oct. ۲۰۰۸, The first national student conference of Biology and New world. Agriculture and Natural Resources University of Gorgan, Iran.
- ۵۰- Yahya Kooch, Hamid Jalilvand, **Moslem Akbarinia**, Asghar Fallah. Comparison of Regeneration Density and Woody Species Diversity in Relation to Physiographic Conditions of Caspian South forests. ۱۷-۱۸ Oct. ۲۰۰۸, The first national student conference of Biology and New world. Agriculture and Natural Resources University of Gorgan, Iran.

- ۱- Yahya Kooch, Hamid Jalilvand, Mohammad Ali Bahmaniar, **Moslem Akbarinia**. Abundance and Biomass of Earthworms in Forest types of Darabkola Forest and Their Relations with Some Physico-Chemical Soil Properties. ۱۷-۱۸ Oct. ۲۰۰۸, The first national student conference of Biology and New world. Agriculture and Natural Resources University of Gorgan, Iran.
- ۲- Hojat Omidi, **Moslem Akbarinia**, Seyed Mohsen Hosseini, Ali Mahdavi. Soil and Physiographic Effects on Regeneration of Woody Plant Species in Koshk of Ilam Province. Third National Forest Conference, May, ۱۲-۱۴, ۲۰۰۹.
- ۳- R. Zolfaghari, **M. Akbarinia**, F. Ghanati, P. Fayyaz. Study of Tolerant and Drought resistant Seedlings of *Quercus branti* Lindle related to Physiologic, Biochemical and Molecular Consideration. Third National Forest Conference, May, ۱۲-۱۴, ۲۰۰۹. Karaj, Iran.
- ۴- Yousefzadeh H., **Akbarinia M.**, Akbarian M.R., Tabari M. Consideration of Fruit Morphological Properties Capability in Segregation of Oak Species in West of Iran. Third regional conference of agriculture and natural resources (west of country), ۴-۵ Mar. ۲۰۰۹. Sanandaj, Iran.
- ۵- H. Sohrabi, **M.Akbarinia**. Statistical Analysis of Surface Soil Relationship with the Species Diversity of Lower Strata in the Oak forest of West of Iran.
- ۶- S. Varamesh, S. M. Hosseini, **M. Akbarinia**, K. Maleki. Effectuality of Forestation on Soil Carbon Sequestration and Mitigate Climate Change. International Conference “Land Conservation” – Landcon ۰۹۰۵. May ۲۶-۳۰, ۲۰۰۹, Tara Mountain/ Serbia.
- ۷- Sekhavati neda, **Akbarinia Moslem**, Zangane hooshang. Effect of gibberelic acid different concentrations on germination of *Prunus mahaleb* seeds .National conference of Biology student (NCBS – ۲۰۰۹) – Shahrekord University.
- ۸- Zarafshar Mehrdad, **Akbarinia Moslem**, Sattarian Ali. Biosystematics study of *Celtis caucasica* and *C. tournefortii* in Iran. National conference of Biology student (NCBS – ۲۰۰۹) – Shahrekord University.

- ۵۹- M. R. Akbarian, **M. Akbarinia**, M. Tabari, H. Yousefzadeh. The influence of light alteration on leaf morphology of *Parrotia persica*. National conference of Biology student (NCBS – ۲۰۰۹) – Shahrekord University.
- ۶۰- Zarafshar Mehrdad, **Akbarinia Moslem**, Sattarian Ali, Nour menur Pinar. Effectts of environmental disturbance on fruit endocarp (Case study: Celtis species with three origins of the North of Iran, Turkey and North of Africa. The first national conference of Iran plant physiology. ۱۲-۱۳ Aug. ۲۰۰۹. Isfahan university of technology.
- ۶۱- Zarafshar Mehrdad, **Akbarinia Moslem**, Sattarian Ali, Nazary Mona. Biosystematic of Iranian Celtis. ۲nd Iranian Plant Systematics Conference, Dec., ۲۰۰۹ Shahid Beheshti Univ.
- ۶۲- Yahya Kooch, Seyed Mohsen Hosseini, **Moslem Akbarinia**, Zohre Zoghi. Biodiversity of Plant Ecological Groups in Relation to Soil Physico – Chemical and Biological Characteristics. . ۲nd Iranian Plant Systematics Conference, Dec., ۲۰۰۹ Shahid Beheshti Univ.
- ۶۳- Zarafshar Mehrdad, **Akbarinia Moslem**, Sattarian Ali, Nazary Mona. Study on within-and among population variability in natural population of *Celtis australis* L. by the means of Multivariate Analysis. ۲nd Iranian Plant Systematics Conference, Dec., ۲۰۰۹ Shahid Beheshti Univ.
- ۶۴- M. R. Akbarian, **M. Akbarinia**, M. Tabari, H. Yousefzadeh. Comparison of Diversity, Richness and Evenness Indices for Plant Species in *Parrotia persica* Sites (Case study: Mazandaran and Golestan Forests). ۲nd Iranian Plant Systematics Conference, Dec., ۲۰۰۹ Shahid Beheshti Univ.
- ۶۵- Habib Zare, **Moslem Akbarinia**, Aliasghar Maassumi and Lars Hedenas. Hyrcanian forest as new distribution range for certain mosses. ۱۶th National and ۴th International Conference of Biology, Ferdowsi University of Mashhad, Mashhad, Iran, September, ۲۰۱۰.
- ۶۶- Taleshi H., **Akbarinia M.**, Zare H. Relationship between biodiversity of plant species and some surface soil factors in bottomland forests of eastern Nooshahr. ۱۶th National and ۴th International Conference of Biology, Ferdowsi University of Mashhad, Mashhad, Iran, September, ۲۰۱۰.
- ۶۷- SAEID VARAMESH, SEYED MOHSEN HOSSEINI, NOROLLAH ABDI, MOSLEM AKBARINIA. Comparison of Soil Carbon Sequestration Under *Pinus eldarica* and *Fraxinus rotundifolia* Plantation with Deterioreated Rangeland in Tehran. International Conference on Environment ۲۰۱۰ (ICENV ۲۰۱۰), Malaysia.

۶۸- Haghdoost N., **Akbarinia M.**, Hosseini S. M., Varamesh S. Carbon sequestration new ways to access a sustainable management. ۱st National conference on forest, wood & paper. Astara Azad university, Iran, ۲۰۱۰.

۶۹- Haghdoost N., **Akbarinia M.**, Hosseini S. M., Varamesh S. Species selection for reforestation with emphasis to regulation climate change crisis. National conference on natural resources. Ilam university, Iran, ۲۰۱۰.

۷۰- Y. Kooch, S. M. Hosseini, **M. Akbarinia**, H. Jalilvand. Earth. Heating Phenomenon and Carbon Sequestration in Forest Ecosystems. ۲nd International conference on climate change and dendrochronology in Caspian ecosystems. ۱۲-۱۴ May ۲۰۱۰. Sari, Iran.

۷۱- Saied Shabani, **Moslem Akbarinia**, S. Gh. Jalali. Consideration of some soil parameters related to gap sizes. ۱۲th conference of soil sciences of Iran. Tabriz, Iran. ۳-۵ Sep. ۲۰۱۱.

۷۲- Hamid Resa Saeidi, **M. Akbarinia**, E. M. Goltapeh, S. M. Hosseini, Y. R. Danesh. Abundance change of arbuscular mycorrhizal fungi in different hyrcanian forest types, north of Iran. The ۹th International Beech Symposium Organized by IUFRO working party ۱,۰۱,۰۷, Dresden, Germany, ۱۲-۱۷ September ۲۰۱۱.

۷۳- M. Miraki, M. Akbarinia, A. Heidary, H. Ghazanfari, S. Ezati. Preliminary assessment of short term effects of fire on northern Zagros forests (Case study: Marivan forests). ۱st national conference on Zagros forest, Risks, Threats and Opportunities. ۲۳ May ۲۰۱۲, Senandaj, Iran.

VI- Research Program Leader:

- ۱)- Consideration on compatibility and success of *Taxodium distichum* plantation in several vegetation types of north of Iran
- ۲)- Biologic fertilizer production by compounding of Azola and Saw dust.
- ۳)- Comparison of growth rate of planted pure stand of Populus and mixed planted stand of Populus and Cupressus

- ۴)- The Effect of Light on Quality and Quantity of Seedlings Growth in “*Cupressus arizonica*” in Nursery. Tarbiat Modarres University.
- ۵)- Effect of Soil Scarification, Seedling and Seed Planting on Oak (*Quercus castaneifolia* C. A. Mey.).
- ۶) Scientific member of the study of Integrated Management for Ecosystem Conservation of The Anzali Wetland of Iran By JICA. ۲۰۰۲.
- ۷)- Study on Harra Protected Area (Mangrove wetland) for inscription on the world heritage list of UNESCO. ۲۰۱۰.

VII: ۱- Research Ph. D. Students supervised:

- ۱)- Ecological consideration of the east and northeast forests of Ardabil. ۱۹۹۸. Ph.D.
- ۲)- Autecology and Synecology of common Yew (*Taxus baccata*) in the north forests of Iran. ۲۰۰۱. Ph.D.
- ۳)- Ecological study of *Quercus libani* Oliv. Site using Environmental Factors Analysis in Marivan, Iran. ۲۰۰۳. Ph.D.
- ۴)- Autecology of *Quercus macranthera* F. et M. in the Ardabil forests of Iran. ۲۰۰۳. Ph.D.
- ۵)- Effects of Fire on Ecological Properties of Forest, Watershed of Golband (۴۵), series No. ۴ Chelir. ۲۰۰۶, Ph. D.
- ۶)- Investigation on Resistance to Water Deficit of *Quercus brantii* Lindle, Seedlings using Molecular, biochemical-physiological and Morphological Markers. ۲۰۰۸, Ph.D.

۷)- Study of Floristic and Species Diversity of Corticolous Mosses in Nowshahr Forests. ۲۰۱۱, Ph. D.

۸)- Identification of Arbuscular Mycorrhizal Fungi Associated with *Pistacia atlantica* and *Pistacia khinjuk* in Ilam Province and their Effects on Seedlings Growth under Drought Stress. ۲۰۱۱, Ph. D.

۲- Research M. Sc. Students supervised:

۱)- Ecological consideration on *Pistacio lentiscus* community in Firozabad Fars, ۱۹۹۸. M. Sc.

۲)- A study on the effect of earthworm on the seedling growth of Cappadocian Maple and Caucasian Alder. ۱۹۹۸, M. Sc.

۳)- A study of some ecological characteristic of Coliseum Maple (*Acer cappadocicum* Gled.) in the forests of western Mazandaran, Iran. ۱۹۹۹. M. Sc.

۴)- A study of the distribution, ecological character and phenology of Pistacio (*Pistacio vera*) in Khorasan. ۱۹۹۹. M. Sc.

۵)- Phytosociological study of the beech forests of Chelave forest of Amol. ۲۰۰۱, M. Sc.

۶)- A comparison between biodiversity of woody species of two preserved areas of Khogir and Jageroud. ۲۰۰۲, M. Sc.

۷)- Ecological Investigation on Silver Birch (*Betula pendula* Roth.) Sites in Sang- deh, and Lar valley. ۲۰۰۲. M. Sc.

۸)- Study of Woody Species Diversity after Reforestation by Maple, Alder and Italian Cypress species in Mazandaran Wood and Paper Forests. ۲۰۰۴, M. Sc.

۹) – Ecological Potential Comparison of Forest Sites by some foliar Nutrients Analysis: A Case Study on *Fagus orientalis* in Kujour. ۲۰۰۴, M.Sc.

- ۱۰) – Ecosystem units analyses of *Quercus infectoria* Oliv habitat in Kermanshah province. ۲۰۰۴, M. Sc.
- ۱۱)- A Phytosociological Study of Bottomland Forests of Western Nooshahr. ۲۰۰۵, M. Sc.
- ۱۲)- Ecological Characteristics of Silk Tree (*Albizia julibrissin* Wild.) in Some Parts of Hyrcanian Forests. ۲۰۰۶, M. Sc.
- ۱۳)- Relationship between Vegetation, Soil and Topography in Northern Forests of Ilam. ۲۰۰۶, M. Sc.
- ۱۴)- Autecology of Somach (*Rhus coriaria* L.) in Binalood mountains and its usage possibility in semi-arid areas restoration and urban green space development. ۲۰۰۷, M. Sc.
- ۱۵)- Effects of Fire on some Physical and chemical Properties of Soil in Western Forests of Marivan Region. ۲۰۰۸, M. Sc.
- ۱۶)- Relationship Between Gap and Vegetation , Physiographic Factors in the Forest of Lalis, Nowshahr, Iran. ۲۰۰۹, M. Sc.
- ۱۷)- Study on Some of Main Ecological Properties of Redbud (*Cercis griffithii*) in the West of Iran. ۲۰۰۹, M. Sc.
- ۱۸)- Effect of Water treatment Effluent on Survival, Growth and Mineral Accumulation of Plane Tree (*Platanus orientalis* L.) Seedlings. ۲۰۰۹, M. Sc.
- ۱۹)- The Investigation of Ecological and Plant Biodiversity Changes of *Parrotia persica* Stands in Eastern Hyrcanian Forests. ۲۰۰۹, M. Sc.
- ۲۰)- Biosystematics of Celtis Genus in Iran. ۲۰۰۹, M. Sc.
- ۲۱)- Autecology of *Cerasus mahaleb* (L.) Mill in Kermanshah Province. ۲۰۱۰, M. Sc.

۲۲)- The Effects of Conservation, Physiographic characteristics and Soil properties on Vegetation of Central Zagros Forests. ۲۰۱۰, M. Sc.

۲۳)- Estimation of Carbon Sequestration in Natural and Plantation Forest Stands of Chamestan Area. ۲۰۱۱, M. Sc.

VIII- Research Students Advised:

۱)- Study on quality and quantity of broad leaved plantation in Kheyroudkenar Nowshahr. ۱۹۹۸. M.Sc.

۲)- Investigation on phenology of different Poplar clones at two climatic region of Karaj and Safrabasteh Gilan. ۱۹۹۹. M.Sc.

۳)- The quantity and quality consideration of Pure and Mixed planting stand of Oak and Cypress in Nowshahr forests ۲۰۰۱. M.Sc.

۴)- Biodiversity of woody species and their ecosystems in Gilan province. ۱۹۹۹, Ph.D.

۵)- Ecological Capability of Iranian local Conifers habitat. ۲۰۰۰, Ph.D.

۶)- Quantitative and Qualitative consideration of *Juniperus polycarpus* stands in Copedagh mountain of Khorasan. Iranian. ۲۰۰۱, M. Sc.

۷)- Comparison of Physiological Reaction and Nutritional Requirments of Hyrcanian Beech (*Fagus orientalis*) to Seasonal, Illumination and Altitudinal Changes in Different Stages of Growth and Development, ۲۰۰۴, Ph. D.

۸)- Influence of Light intensity and Root Pruning on Growth and Survival of Oak Seedling. ۲۰۰۲. M. Sc.

۹)- Investigation of genetic variation and genotype and environment effects on establishment and growth of Wild service tree seedlings. ۲۰۰۵. Ph.D.

١٠.)- The effect of Mistletoe (*Viscum album* L.) on Host Tree Nutrition Process and Some Ecological Parameters in Hyrcanian Forests. ١٣٧٦. M. Sc.

IX. Courses Taught:

- ١.)- General Ecology. B.Sc.
- ٢.)- World Forests Geography. M.Sc.
- ٣.)- Phytosociology. M.Sc.
- ٤.)- Wetland Management. M.Sc.
- ٥.)- Ecosystems of Cold and Temperate regions. Ph.D.
- ٦.)- Ecology of Tropical and Subtropical region. Ph.D.
- ٧.)- Biodiversity of Forest Ecosystems. M. Sc.

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