

In The Name of God



RESUME

I- Personal Information

Name: Moslem Akbarinia

Date of Birth: 1955

Place of Birth: Amol, Mazandaran, I.R.Iran

Marital Status: Married

Address: forestry Department, Natural Resources and Marine Sciences Faculty,
Tarbiat Modares University, Noor, Mazandaran, Iran

Tel:+98 122 6253101-3

Fax: +98 122 6253499

Mobile:+98 9 111213402

E-Mail: Akbarim@modares.ac.ir

Web:http://www.modares.ac.ir/enpage/systems/index/Schools/nat/Academic_Staff/akbarim

Akbarinia@japan.com

II- Education records:

- 1) B. Sc. In Environment science, Tehran University, 1979
- 2) M. Sc. In Forest Ecology, Tokyo University of Agriculture and Technology, 1992
- 3) Ph.D. In Forest Ecology, graduate school of Tokyo University of Agriculture and Technology, 1995

III- Research Interests:

- 1) Forest Ecology
- 2) Wetland Vegetation Management
- 3) Sustainable Development in Environment

IV- Research Publications:

- 1)-Regeneration process of *Fagus orientalis* forest after cutting in Iran, 1995, J.jpn.for.soc.77 (2); 170-178
- 2)-A comparative study of the vegetation structure of *Fagus orietalis* forests in Iran and *Fagus crenata* forests in Japan, 1995, J.phytogeogr.& taxon.43; 75-85
- 3)- 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, 1992, Shinrin-Bunka-Kenkyu, J. 13, in Japanese with English summary.
- 4)- 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,1993, Shinrin-Bunka-Kenkyu, J. 14, in Japanese with English summary.
- 5)- 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. 14, in Japanese with English summary.
- 6)- Phytosociological studies on the siebold,s beech (*Fagus crenata* Blume) forests at Tambara Highland, Japan. Shinrin-Bunka-Kenkyu, J. 15, in Japanese with English summary.

- 7)-The ecological study of pistachio association from settlement to 10cm collar diameter in Firoozabad, Fars province, Iran., 1999, Pajouhesh & Sazandegi, No 44,(In Persian with English summary).
- 8)- Diversity of Woody Species of Common Walnut (*Juglans regia* L.) Sites in the Guilan Forests. 1999, Iranian J.Natural Res. Vol.52, No. 1 ,(In Persian with English summary).
- 9)- Consideration on Methods of Forest Ecological Capability Evaluation, 2000, Iranian Journal of Environmental sciences, No 25, (In Persian with English summary).
- 10)- Effect of Relative Illumination on Establishing and Growth of one year old Graft and three years old Sapling of common Yew(*Taxus baccata*), 2000, Journal of Agriculture and Natural resources No. 1, 7. (In Persian with English summary).
- 11)- Ecological Capability Evaluation of two Sites of “*Cupressus sempervirens*” in Northern Forests of Iran, 2001, Daneshvar, No. 31,(In Persian with English summary).
- 12)- Ecological Capability Evaluation of two Sites of “*Taxus baccata*” in Northern Forests of Iran, 2001, Pajohesh & Sazandegi,No 51,(In Persian with English summary).
- 13)- Investigation on Phenology of different poplar clones in collection at Karaj research station during 1997& 1998 period, 2001, Iranian Forest and Poplar Research (6), Technical Publication No.259, ,(In Persian with English summary).
- 14)- Growth Response of Eight Hardwood Species to Current and Past Three Years Climate Variations in Regression Models, 2001, Journal of Agricultural Sciences and Technology, No 3. (In English)

- 15)-** Consideration on the effect of degradation causes (livestock grazing and forest villagers) on the change of vegetation and plant elements of Chelave forests, 2002, Pajohesh & Sazandegi, No 55, (In Persian with English summary).
- 16)-** Comparison of Pure and Mixed stand of *Populus deltoides*. 2003, Pajohesh & Sazandegi, No. 58. (In Persian with English summary).
- 17)-** Determination and Quantitative Analysis of Forest Types With Respect to Aspect in Ghamisheleh, Marivan, Iran. 2003, Pajohesh & Sazandegi, No. 60. (In Persian with English summary).
- 18)-** A study of Phytosociology of Eastern Ardabil forests (Asigharan, Fandoghloo, Hasani and Bubini). 2004, Journal of Agriculture and Natural resources No.14 Vol.10. ,(In Persian with English summary).
- 19)-** Plant Biodiversity of Khojir National park in compare with Jageroud protected area. 2006, Iranian Journal of Environmental sciences, **in press** ,(In Persian with English summary).
- 20) -** Effect of shade on survival and growth of seedling of Iranian Oak (*Quercus macranthera*), 2004, Pajohesh & Sazandegi In Agronomy & Horticulture No. 61. (In Persian with English summary).
- 21)-** Study of peroxides and alpha-amylase activities in different il growth stages of Beech (*Fagus orientalis* Lipsky). 2004, Pajohesh & Sazandegi, No. 62. (In Persian with English summary).
- 22)-** Ecological study of *Betula pendula* Stands in Hyrcanian forest, North Iran. *Acta Botanica Hungarica* 46 (1-2),pp. 143-151, 2004. **ISI**.
- 23)-** Study of Vegetation Structure, Floristic Composition and the Chorology of Silver Birch Communities at Sangedeh forest of Hyrcanian region. 2004, Pajohesh & Sazandegi. No. 64 (In Persian with English summary).

- 24)**- Determination of the Ecological Species Groups by Anglo-American Approach Case Study: Ghamisheleh , Marivan.2005, Iranian Journal of Environmental Studies No. 36, (In Persian with English summary).
- 25)**- Investigation of genetic variability of wild service (*Sorbus torminalis* L. Crantz) by using of fruit traits in Farim Forest of Mazandaran province. 2003, Iranian journal of Rangeland and Forests Plant Breeding and Genetic Research. Vol. 11 No. (2). (In Persian with English summary).
- 26)** – Introduction of New Formulas for Assessment of Woody Plant Biodiversity. **ISI** Journal of Forest Science. No 3, 2003.
- 27)** – Natural Regeneration Problems of Yew in Hyrcanian Forests of Iran.**ISI** Journal of Forest Science. No 3, 2003.
- 28)** – The effect of nursery situation on seeds of *Sorbus torminalis* in different altitude, 2006. Iranian J. of Natural Res. Vol.59, No. 2.
- 29)** –Influence of light intensity and root pruning on survival and vitality of Oak seedling (*Quercus castaneifolia* C.A.Mey). 2005, Pajohesh & Sazandegi, No. 69.
- 30)** – Influence of light intensity and root pruning on growth of Oak seedling (*Quercus castaneifolia* C.A.Mey). 2005. Pajohesh & Sazandegi, No. 66.
- 31)** - Consideration on the effect of sowing time and seed cover in seedling production of *Sorbus torminalis* . Journal of Agriculture and Natural resources No.4. 12th yr. 2005, (In Persian with English summary).
- 32)** - Effects of Different Seed Planting Techniques on Emergence and Survival of Oak (*Quercus castaneifolia* C. A. Mey.) during the First Growing Season.. 2006. Iranian J. of Natural Res. Vol.59, No. 2 , (In Persian with English summary).

- 33)**- Emergence, survival and early growth of Oak (*Quercus castaneifolia* C.A.May) seedlings under different canopy densities in Chamestan forest-northern Iran. Pajohesh & Sazandegi, No. 69.
- 34)**- The effects of different light control treatments on height growth, vitality and survival of seedlings of *Cupressus arizonica* Green in nurseries. Pajohesh & Sazandegi, No. 72.
- 35)** –Investigation of genetic variation of wild service (*Sorbus torminalis* (L.) Crantz), using morphological analysis of fruits and leaves. Pajohesh & Sazandegi, No. 72.
- 36)**- Effects of seed trees age and one year seed shortage on seed germination of *Sorbus torminalis*. Iranian Journal of Forest and Poplar Research, Vol. 11 No. (4) , 2003.
- 37)** – Sayyad, E., Hosseini, S. M., **Akbarinia, M.**, Gholami, Sh. Comparison of Soil properties in pure plantations of *Populus euroamerican* (Dode) Guinier and mixed with *Alnus subcordata*. Journal of environmental Studies Vol.33, No.41, 2007. In Persian with English summary.
- 38)** – Sohrabi, H., **Akbarinia, M.**, Hosseini, S. M. Plant Species diversity in ecosystem unites in the Dehsorkh forests, Javanroud, Iran. Journal of Environmental Studies Vol.33, No.41, 2007. In Persian with English summary.
- 39)**- Comparison of growth nutrition and soil properties of pure and mixed stands of *Populus deltoids* and *Alnus subcordata*. **ISI** journal of Silva Fennica , 40(1), 2006.
- 40)** H. Sohrabi, M. Akbarinia. Consideration of plant species diversity in relation to physiographical factors in Dehsorkh , Javanroud, Kermanshah province, Iran. Iranian Journal of Forest and Poplar Research, Vol. 13 No. (3), 2005.

- 41- Phytosociological study of Ferns in Central Caspian Forests of Iran. 2007, **ISI Journal of EKOLOJI**. No. 16, 63
- 42- The Quantity and Quality investigation of *Juniperus polycarpus* stands in Kopedagh Hillsides. 2007. **Journal of Environmental Studies** No. 40, Vol.32.
- 43- Effect of Fire on Herbal Layer Biodiversity in a Temperate Forest of Northern IRAN.2006, **Pakistan Journal of Biological Sciences** 9(12), pp: 2273-2277. 2006, **ISI**.
- 44- 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. 20 No. 1, 2007.
- 45 - 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, **Journal of Pajohesh & Sazandegi**, No. 76. 2007.
- 46- Mirzaei, J., **Akbarinia M.**, Hosseini S. M., Tabari M., Jalali S. Gh. Comparison of natural regenerated woody species in relation to physiographic and soil factors in Zagros forests. **Journal of Pajohesh & Sazandegi**, No. 77, 2007.
- 47- The effect of shad as an environmental factor on height growth of *Cupressus sempervirens*. **Journal of Environmental Studies** No. 43, 2007
- 48–Mirzaei J., **Akbarinia M.**, Hosseini S. M. and Hoseinzade J. 2007. Ecological survey of Arghavan forest in north of Ilam. **Iranian Journal of Forest and Poplar Research**, Vol. 14 No. (4) .
- 49–Leila Vatani, **Moslem Akbarinia**, S. G. Jalali , Kambize Espahbodi. Study of natural regeneration of woody species diversity in Alder plantation in Mazandaran Wood and Paper low forests. **Journal of Pajohesh & Sazandegi**, No. 77. 2007.
- 50- Hosseini S. M., Kartoolinejad D., Mirnia S. K., Tabibzadeh Z., **Akbarinia M.** and F. Shayanmehr. The effects of *Viscum album* L. on foliar leaf, weight

and nutrients content of host trees in Caspian forests (Iran). 2007. Polish Journal of Ecology, No.3. **ISI**.

51- D. Kartoolinejad, S. M. Hosseini, S. K. Mirnia, **M. Akbarinia** and F. Shayanmehr. The relationship among infection intensity of *Viscum album* with some ecological parameters of host trees in Nour forest park. 2007. International Journal of Environmental Research, Vol. 1, No. 2. pp. 143-149.

52- Jalali, S. Gh. A., a. r. Ali-Arab, M. Tabari, **M. Akbarinia** and S. M. Hosseini. Effect of Sowing Depth on Performance of *Quercus castaneifolia* Seedling at Different Levels of Canopy Cover. Pakistan Journal of Biological Sciences 10(7), pp: 1020-1027. 2007, **ISI**.

53- Mirzaei J., **Akbarinia M.**, Hosseini S. M., Sohrabi H. and Hoseinzade J. 2007. Biodiversity of herbaceous species in related to physiographic factors in forest ecosystems of central Zagros. Iranian Journal of Biology, Vol. 20 No. 4.

54- Darroudy H., **Akbarinia M.**, Jalali S. Gh., Khosrojerdy E. 2008. Investigation of cutting diameter and media effects on germination and cuttings survival of Sumac (*Rhus coriaria*. L.). Iranian Journal of Biology, Vol. 21 No. 2.

55- K. Espahbodi, H. Mirzaie Nodoushan, M. Tabari, **M. Akbarinia**, S. G. Jalali and S. M. Hosseini. 2007. Seed Source Effects on Seed Emergence, Seedling Survival and Growth on Wild Service (*Sorbus torminalis*) Seedlings. International Journal of Agriculture & Biology. Pp. 426-430. **ISI**

56- D. Kartoolinejad, S. M. Hosseini, S. K. Mirnia, **M. Akbarinia** and F. Shayanmehr. Investigation of Relationship between infection intensity to mistletoe (*Viscum album* L.) with some host Species Features in Nour forest park. 2008. Iranian J. of Natural Res. Vol.61, No. 1 , (In Persian with English summary)

57- Leila Vatani, **Moslem Akbarinia**, S. G. Jalali , Kambize Espahbodi. Study and comparison of woody species diversity in 15 years old Maple plantation . 2008. Iranian J. of Natural Res. Vol.60, No. 4 , (In Persian with English summary)

58-H. Sohrabi, **M. Akbarinia** , H. Habashi. 2008, Relationship of understory diversity to soil characteristics in deciduous Oak forests of northern Zagrosu Iran. Pakistan Journal of Biological Sciences.

- 59-** K. Espahbodi, S. M. Hosseini, H. Mirzaie-Nodoushan, M. Tabari, **M. Akbarinia**, Y. Dehghan-Shooraki. 2007. Tree age effects on seed germination in *Sorbus torminalis*. Gen. Appl. Plant Physiology, 2007, 33 (1-2). **ISI**
- 60-** 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* 2008; 9(2 (31)):178-189. **ISI**
- 61-** R. Zolfaghari, **M. Akbarinia**, M. Mardi, F. Ghanati. Genetic diversity in Persian oak (*Quercus branti* Lindl) from Kohkiluye and Boyerahmad using SSR. Iranian Journal of Forests Plant Breeding and Genetic Research Vol. 16, No. 2, 2009.
- 62-** Javad Mirzaei, **Moslem Akbarinia**, Seyed Mohsen Hosseini, Mehrdad Kohzadi. Biodiversity Comparison of Woody and Ground Vegetation Species in Relation to Environmental Factors in Different Aspects of Zagros forest. *Environmental Sciences* Vol. 5, No. 3, Spring 2008. **ISI**
- 63-** K. Espahbodi, H. Mirzaie Nodoushan, M. Tabari, **M. Akbarinia**, Y. Dehghan Shuraki, S. G. Jalali. Genetic Variation in Early Growth Characteristics of Two Populations of Wild Service Tree (*Sorbus torminalis* (L.) Crantz) and Their Interrelationship. *Silva Genetica* . 57. 6 (2008) . **ISI**
- 64-** M. Zarafshar, **M. Akbarinia**, A. Satarian. Identifying seed of *Celtis* genus by means of endocarp morphology. Iranian Journal of Forest, Vol. 1, No. 1, 2009.
- 65-** A. B. Shafiee, **M. Akbarinia**, S. G. Jalali , A. Alijanpoor. The Effects of Forest fire on Diameter Growth of Beech and Horn beam species, Case Study: Khyrod Forest. Iranian Journal of Forest and Poplar Research, Vol. 17, No. (3), 2009 .
- 66-** Darroudy H., **Akbarinia M.**, Jalali S. Gh., Khosrojerdy E. Effect of some physiographic factors of sumac habitats on ecological characteristics of sumac in Binalood Mountains. Iranian Journal of Biology, Vol. 23 No. 2, 2010.
- 67-** M. Zarafshar, **M. Akbarinia**, H. Yousefzadeh A. Satarian. Geographical variation of *Celtis australis*(L) based on leaf and fruit morphological traits (North of Iran). Iranian Journal of Rangeland and Forests Plant Breeding and Genetic Research. Vol. 17, No. 1, 2009

- 68-** S. Shabani, **M. Akbarinia**, S. Gh. Jalali, A. R. Ali-Arab. The effect of Physiographic factors on plant species diversity in forest gaps (Case study: Lalis forest, Chalous). Iranian Journal of Biology, Vol. 23 No. 3, 2010.
- 69-** A. B. Shafiee, **M. Akbarinia**, P. Azizi, J. Eshaghi rad The Effects of fire on some soil chemical properties at northern forest of Iran, case study: Khyroudkenar forest. Iranian Journal of Forest and Poplar Research, Vol. 18, No. (3), 2010 .
- 70-** E. Hemmatboland, **M. Akbarinia**, A. B. Shafiee. The Effects of fire on some soil chemical properties of Oak forest around Marivan, Iran. Iranian Journal of Forest and Poplar Research, Vol. 18, No. (2), 2010 .
- 71-** S. Shabani, **M. Akbarinia**, Gh. Jalali, A. Aliarab. The effect of gaps size on biodiversity of plant species in Lalis forest – Nowshahr. Iranian Journal of Forest, Vol. 1, No. 2, Summer 2009.
- 72-** M. Zarafshar, **M. Akbarinia**, A. Satarian. Endocarp Morphology of Iranian Celtis (Celtidaceae – Cannabaceae).International Journal of Plant Production 4(1), January 2010. **ISI**
- 73-** M. Zarafshar, **M. Akbarinia**, A. Satarian, Seyed Mohsen Hosseini. Endocarp Diversity of *Celtis australis* L. with Iran and Northern Africa Ecotypes. Journal of Wood & Forest Science and Technology Vol. 16 (4) , 2009.
- 74-** Kooch, Y., Hosseini, S. **M., Akbarinia**, M., Tabari, M., Jalali, Gh. Plant Diversity in Ecosystem Units of Caspian Lowland Forests (Case study: Khanikan forest, Chalous). Iranian Journal of Biology, Vol. 24 No., 2011
- 75-** Mohammad Rezaeipour, **Moslem Akbarinia**, Ali Salehi, Hormoz Sohrabi, Ghodrat Jafari. Ecological consideration of Celtis tree in the West of Iran. Iranian Journal of Biology, Vol. 24 No.3 ,2012,
- 76-** Hamed Yosefzadeh, Masoud Tabari, **Moslem Akbarinia**, Filippo Bussotti. Morphological Plasticity of *Parrotia persica* (DC.Meyer) Leaves in Relation to Altitude and Aspect in an Altitudinal Gradient in Eastern Hyrcanian Forests (North of Iran). *NORD J. BOT.*28: 1-6, 2010.**ISI**.

77- Yahya Kooch, Seyed Mohsen Hosseini, **Moslem Akbarinia**. The Ecological Effects of Pit and Mounds Created by a Windthrow on Understory of Hyrcanian Forests. Journal of Silva Balcanica, 9(1)/2008. **ISI**

78- Yahya Kooch, Seyed Mohsen Hosseini, **Moslem Akbarinia**, Masoud Tabari, Seyed Gholamali Jalali. Dead Tree Role on Regeneration Density in Mixed Beech Stand (Case study: Sardabrood Forest of Chalous, Mazandaran). Iranian Journal of Forest. No. 2(2), 2010.

79- S. Shabani, **M. Akbarinia**, Gh. Jalali. Consideration of the role of dead trees on natural regeneration of forest (Case study: Beech forest of Lalis, Noushahr). Journal of science and environment technology. 2010. **In Press**

80- Abbas Banj Shafiei, **Moslem Akbarinia**, Gholamali Jalali, Mohsen Hosseini. Forest fire effects in beech dominated mountain forest of Iran. Forest Ecology and Management, 2010. No. 259, pp. 2191-2196. **ISI**

81- M. Zarafshar, **M. Akbarinia**, H. Yousefzadeh, F. Babaie, M. Nazary. Assessment of Genetic diversity of *Castanea sativa* stands in Gilan forest based on leaf morphology. Journal of giah va zistbom, 2012. 7th year, No.29

82- Zarafshar, M., **Akbarinia, M.**, Bruschi, P., Hosseini, S. M., Yousefzadeh, H., Taieby, M., Satarian, A., Phenotypic variation of chestnut (*Castanea sativa* Mill.) natural populations in Hyrcanian forest (North of Iran), revealed by leaf morphometrics. Journal of Folia oecologica 2010, 37. 1. **ISI**

83- S. Shabani, **M. Akbarinia**, Gh. Jalali, A. Aliarab. The Effects of Gap Size on Woody Species Diversity in Mountain Forests of the North of Iran. Journal of Forest and Poplar Research, Vol. 19, No. (1), 2011 .

84- S. Varamesh, S. M. Hosseini, N. Abdi, **M. Akbarinia**. Increment of soil carbon sequestration due to forestation and its relation with some physical and chemical factors of soil. Iranian Journal of Forest, Vol. 2, No. 1, Spring 2010.

- 85-** S. Shabani, **M. Akbarinia**, Gh. Jalali, A. Aliarab. The effects of gap size on plant species diversity in Quercu-Carpinetum stands of Khanikan forest of Chalus. Iranian Journal of Biology, Vol. 24 No. 4, 2011
- 86-** K. Espahbodi, H. Mirzaie Nodoushan, M. Tabari, **M. Akbarinia**, Y. Dehghan Shuraki. Study on heritability of some growth characteristic of *Sorbus torminalis* (L) seedlings. Journal of Forest and Poplar Research, Vol. 16, No. (1), 2008.
- 87-** Javad Mirzaei, **Moslem Akbarinia**, Ebrahim Mohammadi Goltapeh, Mozaffar Sharifi, Younus Rezaei Danesh. The Effect of Arbuscular Micorrhizal Fungi on some Morphologic and Physiologic Properties of *Pistacia khinjuk* Seedling Under Drought Stress. Journal of Forest and Poplar Research, Vol. 19, No. (2), 2011.
- 88-** M. Zarafshar, **M. Akbarinia**, A. Satarian and L.J.G. van der Maesen. Pollen Morphology of Iranian Celtis (Celtidaceae – Ulmaceae). Journal of Botanica Serbica, 34(2): 2010.
- 89-** H. Zare, **M. Akbarinia**, S. M. Hosseini, H. Ejtehad, T. Amini Eshkevari. A New Record of *Betula litwinowii* (Betulaceae) and the Genus *Betula* L. In Iran. IRAN JOURN. BOT. 16(2), 2010.
- 90-** Zare, H., **Akbarinia, M.**, Hednas, L., Maassmi, A. A. Eighteen mosses from the Hyrcanian forest region new to Iran, Journal of Bryology, 2010, Vol. 33, No. 1. ISI.
- 91-** Saeid Varamesh, Seyed Mohsen Hosseini, Noorollah Abdi, **Moslem Akbarinia**. Effects of Afforestation on Soil Carbon Sequestration in an Urban Forest of Arid Zone in Chitgar Forest Park of Tehran. Forest Science, No. 3, 2009. ISI.
- 92-** S. Shabani, **M. Akbarinia**, Gh. Jalali. Assessment of relation between soil characteristics and wood species biodiversity in several size gaps. Annals of Biological Research, 2011,2(5):75-82.
- 93-** S. Shabani, **M. Akbarinia**, Gh. Jalali. The influence of microtopograhly on forest patches behavior in mixed hardwood forests. Annals of Biological Research, 2011,2(5): 87-94.

- 94-** R. Ghassemi, A. Jalili, A. R. Modir-Rahmati, **M. Akbarinia**. Investigation on growth characteristics of 24 different Poplar clones in nursery stage. Journal of Forest and Poplar Research, Vol. 11, No. (1), 2004.
- 95-** S. Shabani, **M. Akbarinia**, Gh. Jalali, A. Aliarab. Relationship between soil factors and regeneration density of Beech species in different crown gap size. Journal of Science Research and wood and forest technique, No. 3, Vol. 18, 2011.
- 96-** N. Sekhavati, S. M. Hosseini, **M. Akbarinia**, A. Rezaei. Effects of Cold Stratification Duration on Germination of *Cerasus mahaleb* (L.) Mill With and Without coat. Journal of forest and wood product, No.1. Vol. 65.2013.
- 97-** N. Sekhavati, **M. Akbarinia**, H Zangene. Investigation of some Physical, Biometrical and Mechanical Properties of *Cerasus mahaleb* (L.) Mill in middle Zagros Forest Site. Iranian Journal of Wood and Paper Science Research Vol. 27 No. (2), 2012
- 98-** N. Sekhavati, S. M. Hosseini, **M. Akbarinia**, A. Rezaei. Study the Effects of Gibberellic Acid with Cold Stratification in order to dormancy removing and increasing germination with and without coat *Cerasus mahaleb* (L.) Mill Seed Samples. Iranian Journal of Forests Plant Breeding and Genetic Research. Accept, 2011.
- 99-** N. Sekhavati, S. M. Hosseini, **M. Akbarinia**, A. Rezaei. Topographic Effects on species diversity of *Cerasus mahaleb* (L.) Mill site in Kermanshah province Forests. Journal of forest and rangeland. No. 97, 2011.
- 100-** **M. Akbarinia**, M. Zarafshar, A. Sattarian, F. Babaie Sustani, E. Ghanbari and E. Chaplagh Paridari. Morphological variations in stomata, epidermal cells and trichome of sweet chestnut (*Castanea sativa* Mill.) in Caspian ecosystem. Taxonomy and Biosystematics, 3rd year, No.7, 2011.
- 101-** M. R. Akbarian, M. Tabari, **M. Akbarinia**, M. Zarafshar, J. A. Meave, H. Yousefzadeh and A. Satarian. Effects of elevational gradient on leaf and stomatal morphology of Caucasian alder (*Alnus subcordata*) in the Hyrcanian forest, Iran. Folia oecologica, vol. 38, No. 1, 2011.
- 102-** Niloufar Haghdooost, **Moslem Akbarinia**, Seyed Mohsen Hosseini, Yahya Kooch. Conversion of Hyrcanian degraded forests to plantations: Effects of soil C and N stocks. Annals of Biological Research, 2011, 2 (5): 385-399

103- Niloufar Haghdoost, **Moslem Akbarinia**, Seyed Mohsen Hosseini. Growth and biomass productions of lowland forest plantation in north of Iran. Archives of Applied Science Research, 2012, 4(1): 595-604.

104- Niloufar Haghdoost, **Moslem Akbarinia**, Seyed Mohsen Hosseini. The effect of conversion of Hyrcanian degraded forests to plantation on soil productivity and Carbon sequestration. Journal of environment. 2012, No. 63.

105- Toktam Momeni Moghadam, **M. Akbarinia**, Khosrou Sagheb Talebi, Reza Akhavan, Seyed Mohsen Hosseini. Impact of some environmental factors on regeneration status of *Juniperus excelsa* subsp. *polycarpus* in Hezar Masjed Mountains (Layen Region) of Iran Journal of forest and poplar Research, No. 3, vol. 20, 2012.

106- Niloufar Haghdoost, **Moslem Akbarinia**, Seyed Mohsen Hosseini. Land use change and carbon stocks: A case study Noor county, north of Iran. Journal of Forestry Research. ISI. 2012.

107- Toktam Momeni Moghadam, **M. Akbarinia**, Khosrou Sagheb Talebi, Reza Akhavan, Seyed Mohsen Hosseini. Impact of Physiographic Factor on Biodiversity Indices of Herbaceous species Juniper Stands in Hezar Masjed Mountains. Iranian Journal of Biology, Vol. 27, No. 3, 2014.

108- Toktam Momeni Moghadam, Khosrou Sagheb Talebi, **M. Akbarinia**, Reza Akhavan, Seyed Mohsen Hosseini. Impact of some physiographic and edaphic factors on quantitative and qualitative characteristics of Juniper forest (Case study: Layen Region- Khorasan). Iranian Journal of Forest, Vol. 4, No.2, 2012.

109- N. Sekhavati, **M. Akbarinia**, S.Khazaei Pool, H. Zangene, J. Mirzaei. Study of Site and Silvicultural characteristics of Rock Cherry (*Cerasus mahaleb* (L.) Mill in Kermanshah Province. Science and Technology of Natural Resources.No.3,Vol. 7, 2013

110- N. Sekhavati, S. M. Hosseini, **M. Akbarinia**, A. Rezaei. Effect of cold and warm stratification with different durations in germination of *Cerasus mahaleb* (L.) Mill seeds. Journal of forest and rangeland. No.90, 91, Vol. 43, 2011.

111- H. Taleshi, **M. Akbarinia**. Biodiversity of Woody and Herbaceous Vegetation Species in Relation to Environmental Factors in Lowland Forests of Eastern Nowshahr. Iranian Journal of Biology, Vol. 24 No. 5, 2011.

112- T. Momeni Moghaddam¹, **M. Akbarinia**, K.Sagheb-Talebi , R. Akhavan⁴ and S.M Hosseini. Patterns of composition and diversity vegetation in relation to different environments: A case study from Hezar Masjed Mountains North east Iran. Annals of Biological Research, 2012, 3 (7):3278-3286, ISI

113- Mahmood Abbasi, **Moslem Akbarinia**, Mehrdad Zaraffshar, Peter Saenger, Ali Satarian. Among-population Variation and Plasticity in Leaf Morphology of *Alnus subcordata* C.A. May at a Small Spatial Scale. Radovi Hrvat. Sumar. Inst. Vol. 45 br. 1, 2010, Jastrebarsko, 2013.

114- H. Zare, T. Amini & **M. Akbarinia**. The Record of *Petasites albus* (Asteraceae) in Iran. Iran. J. Bot. 19(2), 2013. ISI

115- N. Sekhavati, **M. Akbarinia**, S. Khazaeipoul, H. Zanganeh and J. Mirzaei. Ecological Survey of *Cerasus mahaleb* (L.) Mill Site in Middle Zagros Forests. J. of Wood & Forest Science and Technology, Vol. 20 (1), 2013

116- H.A. Omidi, **M. Akbarinia***, S.M. Hosseini, and J. Mirzaei. Effects of conservation practice on covering parameters and natural regeneration of trees and shrubs in the Zagros forests. Iranian Journal of Forest, Vol.5, No.3, Autumn 2013

117- Mohsen Elahi, **Moslem Akbarinia**, Ebrahim Mohamadi Goltapeh. Study the effects of edaphic factors on intra-specific competition for *Amygdalus orientalis* Duh. Using factor analysis. Ecology, Environment and Conservation (Eco. Env. & Cons. 19(4): 2013. ISI

118- Mirzaei J, **Akbarinia M.**, Mohamadi Goltapeh E., Sharifi M. and Rezaei Danesh Y. Classification of *Pistacia atlantica* and *P. khinjuk* sites in Ilam based on environmental factors and arbuscular mycorrhizal fungi. journal of Plant Researches. No. 3, Vol. 26, 2013.

119- M. Miraki, **M. Akbarinia***, H. Ghazanfari, S. Ezzati and A. Haidari. Presentation of management solutions for firefighting, using the decision support system at Northern Zagros forests (Case study: Marivan forests). Iranian Journal of Forest and Poplar Research Vol. 21 No. 4, 2014.

120- Mohsen Elahi, **Moslem Akbarinia**, Ebrahim Mohamadi Goltapeh. Intraspecific competition of *Amygdalus orientalis* as influenced by physiographic factors. Iranian Journal of Forest and Poplar Research Vol. 22 No. 2, 2014.

121- Mehrdad Zarafshar, **Moslem Akbarinia**, Hossein Askari, Seyed Mohsen Hosseini, Mehdi Rahaie, Daniel Struve, Gustavo Gabriel Striker. Morphological, physiological and biochemical responses to soil water deficit in seedlings of three populations of wild pear tree (*Pyrus boissieriana*). Biotechnol. Agron. Soc. Environ. 18 (3), 2014. 353-366.

122- Fatemeh Gheibi, **Moslem Akbarinia**, Yahya Kooch. Effect of *Alnus subcordata*, *Acer insign* and *Sequoia sempervirens* plantations on plant diversity in Hyrcanian forest of Iran. Biodiversitas. Vol. 16, No.1, 2015.

123- Mehrdad Zarafshar, **Moslem Akbarinia**, Hossein Askari, Seyed Mohsen Hosseini, Mehdi Rahaie. Physiological and biochemical alteration of Wild pear seedlings in response to different irrigation regime. Journal of Applied Biology. Vol.28, No.1, 2015

124- Mehrdad Zarafshar, **Moslem Akbarinia**, Hossein Askari, Seyed Mohsen Hosseini, Mehdi Rahaie. Drought resistance of wild pear (*Pyrus boissieriana* Buhse.) Journal of Forest and Wood Products. Vol. 69, No. 1, 2016

125- Sh. Jafarnia, **M. Akbarinia**. Investigation of spatial distribution of soil and water properties by use of geostatistical in Mangrove forest of Qeshm Island. . Iranian Journal of Forest and Poplar Research Vol. 22, No. 4, 2014.

126- Ali Satarian, Ghasemali Parad, Mehrdad Zarafshar, **Moslem Akbarinia**, Seyed Farid Ghaffari Dehkordi. Potential of Tolerance in Germplasm of Wild Pear under Flooding Stress. Journal of Forest and Wood Products. Vol.67, No. 4, 2015.

127- Freshteh Basseri, **Moslem Akbarinia**, Omid Esmailzadeh. Flora, life form and chorological study of soil seed bank in Sisangan box tree (*Buxus hyrcanus* Pojark) Forest Reserve. Iranian Journal of Plant Biology, 6th Year, No. 21, 2014.

128- H. Darroudi, **M. Akbarinia**, A. Safarnejad, S. M. Hosseini, M. Hajian Shahri. Micropropagation of *Ribes khorasanicum* species by tissue culture. Iranian Journal of Rangeland and Forests Plant Breeding and Genetic Research Vol. 23, No. 1, 2015.

129- H. Darroudi, **M. Akbarinia**, E. Khosrojerdi, M. Ghazi. Effects of culture bed on morphological and physiological characteristics of Greek juniper seedlings (*Juniperus excelsa* M. Bieb.). Journal of Plant Researches. Vol. 27, No. 4, 2014.

130- Mehrdad Zarafshar, **Moslem Akbarinia**, Hossein Askari, Seyed Mohsen Hosseini, Mehdi Rahaie, Daniel Struve. Toxicity Assessment of SiO₂ Nanoparticles to Pear Seedlngs. Int. j. Nanosci. Nanotechnol., Vol. 11, No. 1, 2015.

131- Masoomeh Soleimany Rahimabady, **Moslem Akbarinia**, Yahya Kooch. The effect of land covers on soil quality properties in the Hyrcanian region of Iran. Journal of Bioscience and Biotechnology. Vol. 4, No. 1, 2015.

132- M. Zare, **M. Akarinia**, H. Zare. Identification of corticolous Moss in Caucasian Walnut (*Pterocarya fraxinifolia*) and relation of species diversity of the Moss with some bark physic-chemical characterizations. Journal of Forest Research and Development, Vol. 1 No. 1, 2015.

- 133-** B. Selahvarzi, **M. Akbarinia**, S. M. Hosseini. Survival, Growth and Mineral Accumulation in Plane Tree (*Platanus orientalis* L.) Seedling Irrigated with Water Treatment Effluent. Journal of Biodiversity and Ecological Sciences (JBES), Vol. 3, Issue 4. 2013.
- 134-** **M. Akbarinia**, S. Shabani, S. M. Hosseini. The Study of Light, Moisture and Regeneration Condition of Forest Gaps in Mixed Beech Forests of Iran. Journal of Biodiversity and Ecological Sciences (JBES), Vol. 4, Issue 2. 2014.
- 135-** B. Selahvarzi, **M. Akbarinia**, S. M. Hosseini. Accumulation of Zn, Cu, Pb and Ni in Soil and Different Parts of Plane Tree (*Platanus orientalis* L.) Seedling Following Irrigation with Water Treatment Effluent. Journal of Biodiversity and Ecological Sciences (JBES), Vol. 4, Issue 3. 2014.
- 136-** Mehrdad Zarafshar, **Moslem Akbarinia***, Ali Sattarian, Hamed Yousefzade, Mehdy Taieby. Effect of Light Conditions on Chestnut (*Castanea Sativa*) Leaf Morphology. J.Env. Sci. Tech., Vol 18, No.2, summer 2016.
- 137-** Seyed Rahime Yavarinik, **Moslem Akbarinia**, Habib Zare. Richness and epiphytic mosses cover variation on ironwood trees (*Parrotia persica* Pojark) trunks. Journal of Taxonomy and Biosystematics, 8th Year, No. 27, Summer 2016.
- 138-** H. Darroudi, A. Safarnejad, **M. Akbarinia**, S. M. Hosseini, M. Hajian Shahri. Effects of mycorrhizal fungi and *Pseudomonas fluorescens* Bacteria on the growth and survival of *Ribes khorasanicum* Saghafi & Assadi tissue culture plantlets. . Iranian Journal of Forest and Poplar Research Vol. 24, No. 1, 2016.
- 139-** H. Darroudi, **M. Akbarinia**, A. Safarnejad, S. M. Hosseini, M. Hajian Shahri. The effect of hormone type and basic cultural media on multiplication and rooting of herbal species of *Ribes khorasanicum*. J. of Wood & Forest Science and Technology, Vol. 23(3), 2016.
- 140-** F. Mostajeran, H. Yousefzadeh, N. Davitashvili, G. Kozlowski, **M. Akbarinia**. Phylogenetic relationships of *Pterocarya* (Juglandaceae) with an emphasis on the taxonomic status of Iranian populations using ITS and *trnH-psbA* sequence data. Plant Biosystems, <http://dx.doi.org/10.1080/11263504.2016.1219416>.
- 141-** L. Vatani, S. M. Hosseini, **M. Akbarinia**, S. Shamsi. Natural woody species biodiversity after Cypress(*Cupressus sempervirens* var. *horizontalis*) reforestation in Hyrcanian Forest, North of Iran. Biodiversitas, Vol. 18, No. 2, 2017

V-List of Papers Presented in Congresses and Seminars:

- 1)- The structure of Life form of Iranian Beech forests, 2000, In National Congress of the Management of the North forest and Sustainable Development.
- 2)- Consideration on Soil and companion Vegetation of *Acer cappadocicum* sites in the west forests of Mazandaran Province.2000, In National Congress of the Management of the North forest and Sustainable Development
- 3)- Ecological Capability Evaluation of Natural Cypress Site in North of Iran.2001, In Second International Conference of Agriculture and Natural resources of Iran and Russia in Mosco.
- 4)- Effect of Relative Illumination on Establishing and Growth of Common Yew Graft and Sapling, 2001. In Second International Conference of Agriculture and Natural resources of Iran and Russia in Mosco.
- 5)- Two hundred years history of a beech forest of Iran.2002, In VIII INTECOL International Congress of Ecology.Seoul, Korea,
- 6)- Comparison pure and mixed stands of *Populus deltoides* . 2002, In VIII INTECOL International Congress of Ecology.Seoul, Korea,
- 7)- The effect of Soil Type on Growth of Bald Cypress as a Fast Growing Species in the North of Iran.2002, In IUFRO Meeting, Div.4. 04. 06, Izmit-Turkey
- 8)- Comparison pure and mixed stands of Cypress (*Cupressus sempervirens* var.*horizontalis*) 2002, In IUFRO Meeting, Div.4. 04. 06, Izmit-Turkey
- 9)- Determination of plant life form in Chelave Forests of Amol. 2002, In The 3rd International Conference of Agriculture and Natural resources of Iran and Russia in Mosco.
- 10)- Comparison pure and mixed stands of *Populus deltoids* and *Cupressus sempervirens* 2002 . In The 3rd International Conference of Agriculture and Natural resources of Iran and Russia in Mosco.
- 11)- Growth Response of Eight Hardwood Species to Climate Variations.2002, In the 6th International Conference on Dendrochronology.Quebec City, Canada.
- 12) - An Investigation On Flora and Vegetation of Rocky Forests In Dodangeh, Sari, Mazandaran Province, Iran. 2002, The 1st Iranian Conference on Plant Science and Biodiversity.
- 13)- A study of Persian Oak (*Quercus macranthera* F.ET.M.) Pests in forest of Estern Ardabil of Iran. 15th International Plant Protection Congress (IPPC), 2004, Beijing, China.
- 14)- Comparison the regeneration of Iranian Beech (*Fagus orientalis*) and Japanese Beech (*Fagus crenata*).2004, EUFRO, 7th International Beech Symposium , Tehran, Iran.

15)- The Identification of Indicator Fern Species of Hyrcanian Beech Forests. 2004, EUFRO, 7th International Beech Symposium , Tehran, Iran.

16) – Forest Law and Environmental Legislation in Iran. IUFRO 6th International Symposium on Legal Aspects of European Forest Sustainable Development. Poiana Brasov, Romania. June 17-19, 2004.

17) - Alborze mountain the southernmost habitat of Silver Birch species in the Globe. In The 4th International Conference of Agriculture and Natural resources of Iran and Russia in Shahrekord, Iran, 2004.

18) – Study of ecological characteristics of native Pistachios in Ghareh-Gum basin in Iran. IV. International symposium of Pistachios and Almonds. in Tehran, Iran, 2005.

19) - Study of Ecological Characteristics of *Pistacia vera* a Multipurpose Tree Species in Northeastern of Khorassan Province of Iran. 2004. In Multipurpose Trees International Conference , Johadpor, India.

20)- Study of the Relationship between Soil Elements and Plant Communities in the Forests of Eastern Ardabil; North West of Iran. 5th Encontro ALFA Phytosociology International Symposium, 7-10 September, 2004, Madeira, Portugal.

21)- Assessing of the Ecological Potential of Beech Forests by Some Foliar Nutrients Analysis (in Kojour, Iran). EURECO 2005 congress, November 2005, Kusadasi, Turkey.

22)- The Effect of Shade Treatments on “*Cupressus sempervirens*” in Juvenile Stage. EURECO 2005 congress, November 2005, Kusadasi, Turkey.

23)- Quantitative and Qualitative Characteristics of One Year and Two Years Old Oak (*Quercus castaneifolia* C.A.Mey) Seedlings in Relation to Different Canopy Densities. EURECO 2005 congress, November 2005, Kusadasi, Turkey.

24)- Variation in leaf morphology of *Quercus branti* trees in different altitude. XVII International Botanical Congress. Vienna, Austria Center, 17-23 July, 2005.

25)- The Study of Natural Regeneration of Woody species after 15 years in Alder Plantation Site in Mazandaran forests. XVII International Botanical Congress. Vienna, Austria Center, 17-23 July, 2005.

26)- Investigation of relation between leaf characteristics of *Sobus torminalis* (L) Crantz and the site condition and tree seed age in Mazandaran forests. National Congress on Sustainable Development of Medical Plants, Mashhad, 2005.

27)- The Quantity and Quality Investigation of *Juniperus Polycarpus* Stands in Kopedagh Hillsides. EURECO 2005 congress, November 2005, Kusadasi, Turkey.

28)- Correlation between seeds traits and altitude of sea level in *Quercus branti*. EURECO 2005 congress, November 2005, Kusadasi, Turkey.

29)- 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, 2006, Coimbra, Portugal, **Full Text**.

30)- 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. 14th National & 2th International Conference of Biology. T.M.U. Tehran Iran 2006.

31)- 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. 14th National & 2th International Conference of Biology. T.M.U. Tehran Iran 2006.

32) - 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. 4, Nowshahr, Iran. 14th National & 2th International Conference of Biology. T.M.U. Tehran Iran 2006.

33)- 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. 2006.

34)- **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. 2006.

35)- 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. 2006.

36)- Javad mirzaei, **Moslem Akbarinia**, Seyed Mohsen Hossein, Hossein Naderi. Consideration of vegetation in relation to Physiographic factor in middle Zagrosian forests ecosystem. 7th regional conference of agriculture and natural resources in Azad university of Tabriz, Iran, 2006.

37)- 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. 2007, Nicosia, Cyprus.

38)- **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. 2007, Nicosia, Cyprus.

39)- 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. 2007, Nicosia, Cyprus.

40)- S. Mohsen Hosseini, **Moslem Akbarinia**. Environmental Law and Forest Legislation In Iran. International conference on environment: Survival and Sustainability. 2007, Nicosia, Cyprus.

41)- 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. **2007, Nicosia, Cyprus**

42) 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 1st National Plant Taxonomy Conference of Iran. 6th September 2007, Tehran , Iran.

43- 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. 17-18 October 2007. Gorgan, Iran.

44- Saied Shabani, **Moslem Akbarinia**, Yahya Kooch. Consideration of snags of gaps in virgin beech forest. The 1st international conference on the Caspian Region Environmental changes, 24-25 August 2008, Babolsar, Iran.

45- Saied Shabani, **Moslem Akbarinia**, Yahya Kooch. The necessity of gap study. The 1st international conference on the Caspian Region Environmental changes, 24-25 August 2008, Babolsar, Iran.

46- Saied Shabani, **Moslem Akbarinia**, Ahad Tavasoly. New methods of biodiversity conservation and decreasing species degradation. The first provincial congress of biological science, 15 May 2008, Azad university of Hamadan.

47- Saied Shabani, **Moslem Akbarinia**, Saied Varamesh, Behzad Behtary. Forests and global challenge of sustainable development. 10 June 2008, Azad university of Marvdasht.

48- Saied Shabani, **Moslem Akbarinia**. Application of New Methods in Increase of Ecological Diversity. 17-18 Oct. 2008, The first national student conference of Biology and New world. Agriculture and Natural Resources University of Gorgan, Iran.

49- Yahya Kooch, **Moslem Akbarinia**, Hamid Jalilvand. Ecological Study of Earthworms as Bio- Indicators in Forest Ecosystems. 17-18 Oct. 2008, The first national student conference of Biology and New world. Agriculture and Natural Resources University of Gorgan, Iran.

50- 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. 17-18 Oct. 2008, The first national student conference of Biology and New world. Agriculture and Natural Resources University of Gorgan, Iran.

51- 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. 17-18 Oct. 2008, The first national student conference of Biology and New world. Agriculture and Natural Resources University of Gorgan, Iran.

52- Hojat Omid, **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, 12-14, 2009.

53- 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, 12-14, 2009. Karaj, Iran.

54- 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), 4-5 Mar. 2009. Sanandaj, Iran.

55- 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.

56- 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 0905. May 26-30, 2009, Tara Mountain/ Serbia.

57- Sekhavati neda, **Akbarinia Moslem**, Zangane hooshang. Effect of gibberelic acid different concentrations on germination of *Prunus mahaleb* seeds. National conference of Biology student (NCBS – 2009) – Shahrekord University.

58- Zarafshar Mehrdad, **Akbarinia Moslem**, Sattarian Ali. Biosystematics study of *Celtis caucasica* and *C. tournefortii* in Iran. National conference of Biology student (NCBS – 2009) – Shahrekord University.

59- 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 – 2009) – Shahrekord University.

60- Zarafshar Mehrdad, **Akbarinia Moslem**, Sattarian Ali, Nour menur Pinar. Effects 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. 12-13 Aug. 2009. Isfahan university of technology.

61- Zarafshar Mehrdad, **Akbarinia Moslem**, Sattarian Ali, Nazary Mona. Biosystematic of Iranian *Celtis*. 2nd Iranian Plant Systematics Conference, Dec., 2009 Shahid Beheshti Univ.

62- Yahya Kooch, Seyed Mohsen Hosseini, **Moslem Akbarinia**, Zohre Zoghi. Biodiversity of Plant Ecological Groups in Relation to Soil Physico – Chemical and Biological Characteristics. . 2nd Iranian Plant Systematics Conference, Dec., 2009 Shahid Beheshti Univ.

63- 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. 2nd Iranian Plant Systematics Conference, Dec., 2009 Shahid Beheshti Univ.

64- 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). 2nd Iranian Plant Systematics Conference, Dec., 2009 Shahid Beheshti Univ.

65- Habib Zare, **Moslem Akbarinia**, Aliasghar Maassumi and Lars Hedenas. Hyrcanian forest as new distribution range for certain mosses. 16th National and 4th International Conference of Biology, Ferdowsi University of Mashhad, Mashhad, Iran, September, 2010.

66- Taleshi H., **Akbarinia M.**, Zare H. Relationship between biodiversity of plant species and some surface soil factors in bottomland forests of eastern Nooshahr. 16th National and 4th International Conference of Biology, Ferdowsi University of Mashhad, Mashhad, Iran, September, 2010.

67- 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 2010 (ICENV 2010), Malaysia.

68- Haghdost N., **Akbarinia M.**, Hosseini S. M., Varamesh S. Carbon sequestration new ways to access a sustainable management. 1st National conference on forest, wood & paper. Astara Azad university , Iran, 2010.

69- Haghdost 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, 2010.

70- Y. Kooch, S. M. Hosseini, **M. Akbarinia**, H. Jalilvand. Earth. Heating Phenomenon and Carbon Sequestration in Forest Ecosystems. 2nd International conference on climate change and dendrochronology in Caspian ecosystems.12-14 May 2010.Sari, Iran.

71- Saied Shabani, **Moslem Akbarinia**, S. Gh. Jalali .Consideration of some soil parameters related to gap sizes. 12th conference of soil sciences of Iran. Tabriz, Iran. 3-5 Sep. 2011.

72- 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 9th International Beech Symposium Organized by IUFRO working party 1.01.07, Dresden, Germany, 12-17 September 2011.

73- 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). 1st national conference on Zagros forest, Risks, Threats and Opportunities. 23 May 2012, Senandaj, Iran.

VI- Research Program Leader:

- 1)- Consideration on compatibility and success of *Taxodium distichum* plantation in several vegetation types of north of Iran
- 2)- Biologic fertilizer production by compounding of Azola and Saw dust.
- 3)- Comparison of growth rate of planted pure stand of Populus and mixed planted stand of Populus and Cupressus
- 4)- The Effect of Light on Quality and Quantity of Seedlings Growth in “*Cupressus arizonica*” in Nursery. Tarbiat Modarres University.
- 5)- Effect of Soil Scarification, Seedling and Seed Planting on Oak (*Quercus castaneifolia* C. A. Mey.).
- 6) Scientific member of the study of Integrated Management for Ecosystem Conservation of The Anzali Wetland of Iran By JICA. 2003.
- 7)- Study on Harra Protected Area (Mangrove wetland) for inscription on the world heritage list of UNESCO. 2010.

VII: 1- Research Ph. D. Students supervised:

- 1)- Ecological consideration of the east and northeast forests of Ardabil. 1998. Ph.D.
- 2)- Autecology and Synecology of common Yew (*Taxus baccata*) in the north forests of Iran. 2001. Ph.D.
- 3)- Ecological study of *Quercus libani* Oliv. Site using Environmental Factors Analysis in Marivan, Iran. 2003. Ph.D.
- 4)- Autecology of *Quercus macranthera* F. et M. in the Ardabil forests of Iran. 2003. Ph.D.
- 5)- Effects of Fire on Ecological Properties of Forest, Watershed of Golband (45), series No. 4 Chelir. 2006, Ph. D.
- 6)- Investigation on Resistance to Water Deficit of *Quercus brantii* Lindle, Seedlings using Molecular, biochemical-physiological and Morphological Markers. 2008, Ph.D.
- 7)- Study of Floristic and Species Diversity of Corticolous Mosses in Nowshahr Forests. 2011, Ph. D.
- 8)- Identification of Arbuscular Mycorrhizal Fungi Associated with *Pistacia atlantica* and *Pistacia khinjuk* in Ilam Province and their Effects on Seedlings Growth under Drought Stress. 2011, Ph. D.

2- Research M. Sc. Students supervised:

- 1)- Ecological consideration on *Pistacio lentiscus* community in Firozabad Fars, 1998.M. Sc.
- 2)- A study on the effect of earthworm on the seedling growth of Cappadocian Maple and Caucasian Alder. 1998, M. Sc.
- 3)- A study of some ecological characteristic of Coliseum Maple (*Acer cappadocicum* Gled.) in the forests of western Mazandaran, Iran. 1999. M. Sc.

- 4)- A study of the distribution, ecological character and phenology of Pistacio (*Pistacio vera*) in Khorasan. 1999. M. Sc.
- 5)-Phytosociological study of the beech forests of Chelave forest of Amol. 2001, M. Sc.
- 6)- A comparison between biodiversity of woody species of two preserved areas of Khogir and Jageroud. 2002, M. Sc.
- 7)- Ecological Investigation on Silver Birch (*Betula pendula* Roth.) Sites in Sang- deh, and Lar valley. 2002. M. Sc.
- 8)- Study of Woody Species Diversity after Reforestation by Maple, Alder and Italian Cypress species in Mazandaran Wood and Paper Forests. 2004, M. Sc.
- 9) – Ecological Potential Comparison of Forest Sites by some foliar Nutrients Analysis: A Case Study on *Fagus orientalis* in Kujour. 2004, M.Sc.
- 10) – Ecosystem units analyses of *Quercus infectoria* Oliv habitat in Kermanshah province.2004, M. Sc.
- 11)- A Phytosociological Study of Bottomland Forests of Western Nooshahr. 2005, M. Sc.
- 12)- Ecological Characteristics of Silk Tree (*Albizia julibrissin* Wild.) in Some Parts of Hyrcanian Forests. 2006, M. Sc.
- 13)- Relationship between Vegetation, Soil and Topography in Northern Forests of Ilam. 2006, M. Sc.
- 14)- Autecology of Somach (*Rhus coriaria* L.) in Binalood mountains and its usage possibility in semi-arid areas restoration and urban green space development. 2007, M. Sc.
- 15)- Effects of Fire on some Physical and chemical Properties of Soil in Western Forests of Marivan Region. 2008, M. Sc.
- 16)- Relationship Between Gap and Vegetation , Physiographic Factors in the Forest of Lalis, Nowshahr, Iran. 2009, M. Sc.

- 17)- Study on Some of Main Ecological Properties of Redbud (*Cercis griffithii*) in the West of Iran. 2009, M. Sc.
- 18)- Effect of Water treatment Effluent on Survival, Growth and Mineral Accumulation of Plane Tree (*Platanus orientalis* L.) Seedlings. 2009, M. Sc.
- 19)- The Investigation of Ecological and Plant Biodiversity Changes of *Parrotia persica* Stands in Eastern Hyrcanian Forests. 2009, M. Sc.
- 20)- Biosystematics of Celtis Genus in Iran. 2009, M. Sc.
- 21)- Autecology of *Cerasus mahaleb* (L.) Mill in Kermanshah Province. 2010, M. Sc.
- 22)- The Effects of Conservation, Physiographic characteristics and Soil properties on Vegetation of Central Zagros Forests. 2010, M. Sc.
- 23)- Estimation of Carbon Sequestration in Natural and Plantation Forest Stands of Chamestan Area. 2011, M. Sc.

VIII- Research Students Advised:

- 1)-.Study on quality and quantity of broad leaved plantation in Kheyroudkenar Nowshahr. 1998. M.Sc.
- 2)- Investigation on phenology of different Poplar clones at two climatic region of Karaj and Safrabasteh Gilan. 1999. M.Sc.
- 3)- The quantity and quality consideration of Pure and Mixed planting stand of Oak and Cypress in Nowshahr forests 2001. M.Sc.
- 4)- Biodiversity of woody species and their ecosystems in Gilan province. 1999, Ph.D.
- 5)- Ecological Capability of Iranian local Conifers habitat. 2000, Ph.D.
- 6)- Quantitative and Qualitative consideration of *Juniperus polycarpus* stands in Copedagh mountain of Khorasan. Iranian. 2001, M. Sc.

- 7)- 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, 2004, Ph. D.
- 8)- Influence of Light intensity and Root Pruning on Growth and Survival of Oak Seedling. 2003. M. Sc.
- 9)- Investigation of genetic variation and genotype and environment effects on establishment and growth of Wild service tree seedlings. 2005. Ph.D.
- 10)- The effect of Mistletoe (*Viscum album* L.) on Host Tree Nutrition Process and Some Ecological Parameters in Hyrcanian Forests. 2006. M. Sc.

IX. Courses Taught:

- 1)- General Ecology. B.Sc.
- 2)- World Forests Geography. M.Sc.
- 3)- Phytosociology. M.Sc.
- 4)- Wetland Management. M.Sc.
- 5)- Ecosystems of Cold and Temperate regions. Ph.D.
- 6)- Ecology of Tropical and Subtropical region. Ph.D.
- 7)- Biodiversity of Forest Ecosystems. M. Sc.

\