

Curriculum vitae

Personal Daten

Name	Mohammad Matinizadeh
Place and date of birth	Tehran / Iran 13.12.1966
Citizenship	Iran
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Education

1972-1980	Primary and middle school in Tehran / Iran
1980-1984	High school in Tehran / Iran
1982-1989	B.Sc. in Plant Science. Tehran University in Tehran / Iran
1993-1996	M.Sc in Medical Parasitology. Medical Science University of Tehran / Iran
2002-2005	PhD in Natutre Technology. University of Natural Resources and Applied Life Sciences, Vienna / Austria

Research experience

1992-2006 Research as co-worker of Mrs. Dr. Korori in the Ecophysiology and Biotechnology Research group of the Forest division of the Research Institute of Forests and Rangelands Tehran / Iran

2006-... Head of Forest Research Laboratory of the Forest division of the Research Institute of Forests and Rangelands Tehran / Iran

- 1) National project of Iranian soils the study symbiosis of forestry trees with microorganisms
- 2) National research project of restoration of *Juniperus* forests in Iran: A comprehensive eco-physiological study of *Juniperus* sp. in Iran
- 3) National research project on the ecophysiological and biochemical cause of yellowing and weakness of saksul plantations (*Haloxylon* sp.) in Iran.
- 4) The study of symbiosis of mycorrhiza fungi with *Haloxylon* sp.
- 5) The investigation of environmental pollution of Persian Gulf war in south and south western of Iran by use of enzymatic and isoenzymatic alterations (peroxidase, amylase and esterase).

- 6) The ecological and physiological studies of long-lived trees in Iran and establishment of botanic gardens of long-lived trees in 5 ecological regions of Iran
- 7) The study of symbiosis of mycorrhiza fungi with *Juniperus excelsa*
- 8) The study of response *Juniperus excelsa* seedlings to different light and hormone treatment
- 9) The studying mycorrhizal symbiosis of several tree and shrub species in Hyrcanian and Zagros forests and producing mycorrhizal seedling of *Juniperus* and *Pistacia*.
- 10) Investigation and comparison of soil biological potential in untouched and tampered ecosystems of *Fagus orientalis* in Caspian regions of Iran
- 11) The study of mycorrhizal symbiosis in three species of *Thymus*

Publication and Presentation

Thesis:

Matinizadeh M. (1996) "Purification of hydatid cyst antigens and application of them for diagnosis of disease by ELISA (Enzyme Linked Immuno Sorbant Assay). Thesis for the degree of M.Sc. in Medical Science University of Tehran / Iran

Matinizadeh M. (2005) Studies on *Quercus brantii* (var. *persica*) in Zagrosian forest of Iran. Forest ecosystem and its influence on non-structural carbohydrates, nutrition minerals and enzyme activities in twigs and leaves.

Publication and presentation in other countries:

Ali Ahmad Korori S., Maghuly F., Salehi Shanjani P., Matinizadeh M. (1996) The response of plant peroxidase to physiological stresses in relation with weakness in *Haloxylon* sp., IV Peroxidase International Symposium. 6-10 July. P: PB36, Vienna, Austria.

Ali Ahmad Korori S., Salehi Shanjani P., Matinizadeh M. (1998) The responses of enzymes in trees to alterations of environmental conditions, VII international congress of Ecology, 19-25 July, Florence, Italy.

Ali Ahmad Korori S., Ebermann R. and Matinizadeh M. (1998), The responses of enzymes in trees to alterations of environmental conditions (temperature, season and biological conditions of soil). VII International Congress of Ecology, 19 - 25 July, p: 234, Florence, Italy.

Ali Ahmad Korori S., Khoshnevis M., Maghuly P., Matinizadeh M., Moraghebi F., Salehi Shanjani P., Teimouri M., Salehi A., and Shirvany A. (2000). Tree as indicator for determination of alteration in environmental condition (by use of enzyme, cations and anions studies), XXI IUFRO World Congress, 7-12 August, p: 375, Kuala Lumpur, Malaysia

Ali Ahmad Korori S., Khoshnevis M., Maghuly F., Matinizadeh M., Moraghebi F., Salehi Shanjani P., Teimouri, M. (2000). The management problems in planting of *Haloxylon* spp. in Iran. XXI IUFRO World Congress, 7-12 August, p: 23, Kuala Lumpur, Malaysia

Ali Ahmad Korori S., Matinizadeh M., Teimouri M. (2001) Untersuchungen über Eibe (*Taxus buccata*) Mykorrhizen im Norden des Iran. Der Eibenfreund. P.12-14.

Ali Ahmad Korori S., Matinizadeh M., Maghuly P., Rad M.H. (2001) Uralte Bäume in der Provinz Yazd des Iran. Baum - Zeitung, No. 3. 35 Jahr. H 8248 F. pp.104-108.

Shirvany A., Ali Ahmad Korori S., Matinizadeh M., Khoshnevis M. (2002) Iran, the territory of long-lived trees. The VIII INTECOL International Congress of Ecology, 11-18 August, Seoul, Korea.

Ali Ahmad Korori S., Khoshnevis M., Matinizadeh M., Shirvany A. (2002) Problems of exotic species usage for rehabilitation of natural ecosystems, The 3rd International Iran and Russia Conference (Agriculture and Natural Resource). 18-20 September, Moscow, Russia

Matinizadeh M., Ali Ahmad Korori S., Khoshnevis M., Shirvany A. (2002) Designing of juniper forests management with rehabilitation goal. The 3rd International Iran and Russia Conference (Agriculture and Natural Resource). 18-20 September, Moscow, Russia.

Shirvany A., Ali Ahmad Korori S., Khoshnevis M., Matinizadeh M., Teimouri M., Shahmir F. Rahmani A. (2002). Role of trees as bio-indicators for life history studying. The 3rd International Iran and Russia Conference (Agriculture and Natural Resource). 18-20 Sep, Moscow, Russia.

Matinizadeh, M., Ali Ahmad Korori S., Praznik W. (2005) Influence of natural and anthropogenic factors on enzyme activity of soil microorganisms. 11th International Symposium on Microbial Ecology, 22-26 July, Vienna, Austria.

Teimouri M., Ali Ahmad Korori S., Khoshnevis M. Matinizadeh, M. (2005) Determination of regeneration potential in natural ecosystems by use of soil microbial enzyme activity 11th International Symposium on Microbial Ecology, 22-26 July, Vienna, Austria.

Ali Ahmad Korori S., Matinizadeh M., Shirvany A., Teimouri M. (2005) The effects of phosphate solubilizing bacteria on *Acer velutinum* seedlings. 11th International Symposium on Microbial Ecology, 22-26 July, Vienna, Austria.

Matinizadeh M., Korori S.A.A., Teimouri, M., Praznik W. (2008) Enzyme activities in untouched and tampered forest soils under oak (*Quercus brantii* var. *persica*) as affected by soil depth and seasonal variation. Asian Journal of Plant Sciences, 7(4): 368-374.

Salmaki Y., Zarre Sh., Jamzad Z., Matinizadeh M. (2009) Circumscription of taxa in the chasmophilous Iranian *Stachys* species (Lamiaceae: sect. Fragilicaulis, subsect. Fragiles) inferred from isoenzyme variation patterns. *Biochemical Systematics and Ecology* 36: 907–914.

Shabannejad Mamaghani M., Assareh, M.H., Omidi, M., Matinizadeh, M., Ghamari-Zare, A., Shahrzad, Sh., Forootan M. (2009) The effect of thidiazuron level on in vitro regeneration type and peroxidase profile in *Eucalyptus microtheca* F. Muell. *Plant Growth Regulation*, *Plant Growth Regulation* 59: 199-205.

Shabannejad Mamaghani M., Matinizadeh, M., Forootan M. (2010) Microsatellite loci and peroxidase alleles correlation in somaclonal variation of *Eucalyptus microtheca* F. Muell. *African J of Biotechnology*, 29: 4521-4528.

Bahareh Kashefi, Seyed Reza Tabaei-Aghdaei, Mohammad Matinizadeh, Amir Mousavi, Aliashraf Jafari and Leila Mirjani (2010) Seasonal changes in leaf and twig antioxidant systems in Damask rose (*Rosa damascena* Mill.). *Journal of Medicinal Plant Research*, 4: 2573-2582.

Touran Feyzi Kamareh, Anoushirvan Shirvany, Mohammad Matinizadeh, Vahid Etemad and Mostafa Khoshnevis (2011) Arbuscular mycorrhizal fungi in endemic and native tree species, wild pear (*Pyrus glabra*) and maple (*Acer cinerascens*). *African Journal of Agricultural Research*, 6: pp. 4308-4317.

Bahareh Kashefi, Seyed Reza Tabaei-Aghdaei, Mohammad Matinizadeh, Amir Mousavi, Aliashraf Jafari (2012) Some physiological and enzymatic characterizations of Damask Rose accessions (*Rosa damascena* Mill.). *Australian J of Crop Science*, 6: 283-290.

Atoosa Danyaie, Seyed Reza Tabaei-Aghdaei, Ali Ashraf Jafari, Mohammad Matinizadeh and Amir Mousavi (2011) Additive main effect and multiplicative interaction analysis of flower yield in various *Rosa damascena* Mill. genotypes across 8 environments in Iran. *Journal of Food, Agriculture & Environment* 9 (2): 464-468.

Moraghebi F., Matinizadeh M., Khanjani S.B., Teimouri M. and Afdideh (2012) Seasonal variation of urease and alkaline phosphatase activity in natural and artificial habitats of hazel. *Journal of Medicinal Plants Research*, 6: 2714-2720.

Publication and presentation in Iran:

Ali Ahmad Korori S., Salehi Shanjani P., Maghuly F., Matinizadeh M., Teimouri M., Moraghebi M., Khoshnevis M., Jebeli M. (1997) Comparison of peroxidase between the oldest juniper and other relatively-old trees in Semnan. *Pajouhesh-va-Sazandegi J.*, ISSN: 719-9632. No.36, 40-42

Ali Ahmad Korori S., Salehi Shanjani P., Matinizadeh M., Khoshnevis M., Moraghebi M., Teimouri M., Maghuly F., Jebeli M. (1998) Relationship between *Juniperus polycarpus* and *J. excelsa*. *Pajouhesh-va-Sazandegi*, No. 37, 48-51.

Matinizadeh M., Khoshnevis M., Salehi Shanjani P., Ali Ahmad Korori S., Moraghebi M., Maghuly F., Teimouri M., Jebeli M. (1998) Genetical separation of *Juniperus polycarpus* with using of two enzymes (peroxidase and amylase). Pajouhesh-va-Sazandegi, No. 38, 62-65.

Matinizadeh M., Ali Ahmad Korori S., Maghuly F. (1998) Micro-climate of Dehebakri location and long-lived trees. Jungle-va-Marta, No. 40: 34-41.

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Ali Ahmad Korori S., Maghuly F., Rad M.H., Matinizadeh M. (1999) Long-lived trees of Yazd province. Jungle-va-Marta, No. 41: 43-56.

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Ali Ahmad Korori S., Salehi Shanjani P., Matinizadeh M. (1999) The study of effect of plant bed on genetic and physiology of some trees. The 8th Iranian Biology Conference, 27-29 July, Isfahan, Iran.

Ali Ahmad Korori S., Teimouri M., Khoshnevis M., Salehi Shanjani P., Matinizadeh M., Moraghebi M., Maghuly F., Shirvany A. (1999) The role of trees as indicator of pollutions environmental by enzymatical and isoenzymatical studies. The first National Congress of Biotechnology, 23-25 February, Tehran Iran.

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Teimouri M., Ali Ahmad Korori S., Matinizadeh M., Khoshnevis M., Salehi Shanjani P. (1999) Solublizing of inorganic phosphate by *Bacillus* isolated from forest soils. The first National Congress of Biotechnology, 23-25 February, Tehran Iran.

Ali Ahmad Korori S., Teimouri M., Khoshnevis M., Salehi Shanjani P., Matinizadeh M., Moraghebi M., Maghuly F. and Shirvany A. (2000) Evaluation of population damage from the Persian Gulf war on mangrove and *Ziziphus* trees through study of enzyme activity, cation and anion. Pajouhesh-va-Sazandegi, No. 43, 102-107.

Ali Ahmad Korori S., Matinizadeh M., Sohrabi R., Mehdifar D. (2000) Long-lived trees of Lorestan province. *Jungle-va-Marta*, No. 46: 35-41.

Ali Ahmad Korori S., Matinizadeh M., Shirvany A., Khanjani B., Hemmati, A., Rostampour F. (2000) Long-lived trees of Gilan province. *Jungle-va-Marta*, No. 47: 56-64.

Shirvany A., Ali Ahmad Korori S., Saghebalebi KH., Matinizadeh M., Khoshnevis M. (2000) The study of peroxidase response to pH stress in *Ulmus glabra*. The 9th Iranian Biology Conference, 15-17 August, Tehran, Iran.

Teimouri M., Ali Ahmad Korori S., Matinizadeh M., Khoshnevis M. (2000) Solubilizing of inorganic phosphate by *Aspergillus* in aquatic media. The 9th Iranian Biology Conference, 15-17 August, Tehran, Iran.

Ali Ahmad Korori S., Matinizadeh M., Khakdaman H., Parandavar R. (2001) Long-lived trees of Ghom province. *Jungle-va-Marta*, No. 53: 36-41.

Ali Ahmad Korori S., Matinizadeh M., Azadfar D., Gholami G. (2001) Long-lived trees of Golestan province. *Jungle-va-Marta*, No. 54: 70-79.

Matinizadeh M., Shirvany A., Khoshnevis M., Manouchehri, N. Teimouri M., Parhizkar P. (2002) Genetical variation in management of rehabilitation of *Avicennia marina* habitats. First Biology Variation and Sciences. 9-11 September. Tehran, Iran.

Matinizadeh M., Mottahedin P., Khoshnevis M., Teimouri M. (2002) Recognizing mycorrhizal fungi associated with *Juniperus excelsa*. First Biology Variation and Sciences. 9-11 September. Tehran, Iran.

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Ali Ahmad Korori S., Matinizadeh M., Teimouri M. (2003) The study of enzymatic response of different parts of trees to temperature stress Pajouhesh-va-Sazandegi, No. 55, 10-14.

Torabian, U., Ali Ahmad Korori S., Matinizadeh M., Adeli, E., Jalilpour, B. (2003) Studying long-lived junipers of Shamsabad vilage at Ardebil. *Jungle-va-Marta*, No. 61: 47-51.

Khoshnevis M., Ali Ahmad Korori S., Matinizadeh M., Teimouri M., Shirvany A., Jalilpour, B. (2005) Long-lived trees of Tehran province, part 1. *Jungle-va-Marta*, No. 67: 58-65.

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Teimouri M., Ali Ahmad Korori S., Matinizadeh M. (2005) Infection of *Ulmus glabra*, *Acer velutinum* and *Taxus baccata* with endomycorrhizal fungi in Vaz forest. The fourth International Iran & Russia Conference. 7-9 Sep. Shahrekord, Iran. P. 1074-1076.

Torabian, Y., Ali Ahmad Korori S., Shirvany A., Jalilpour, B., Matinizadeh M., Khoshnevis M. (2005) Usage of seeds and branches enzymatic pattern studies for genetic diversity of juniper habitats in Binalood and hezarmasjed locations. The fourth International Iran & Russia Conference. 7-9 Sep. Shahrekord, Iran. P. 425-428.

Ali Ahmad Korori S., Shirvany A., Khoshnevis M., Teimouri M., Matinizadeh M. (2005) Assessment of mangroves habitats by plant and soil enzyme studies in Boushehr province. The fourth International Iran & Russia Conference. 7-9 Sep. Shahrekord, Iran. P. 886-894.

Matinizadeh M., Ali Ahmad Korori S., Khoshnevis M. (2005) Ecophysiological reasons for weakness and yellowing in natural and artificial habitats of *Haloxylon* spp. The fourth International Iran & Russia Conference. 7-9 Sep. Shahrekord, Iran. P. 211-212.

Khoshnevis M., Ali Ahmad Korori S., Matinizadeh M., Teimouri M., (2006) Long-lived trees of Chaharmahal-va-Bakhtiari province, part 3. Jungle-va-Marta, No. 70: 52-57.

Khoshnevis M., Ali Ahmad Korori S., Matinizadeh M., Teimouri M., Jalilpour, B. Shirvany A., Torabian, U. (2006) Long-lived trees of north Khorasan province, part 1. Jungle-va-Marta, No. 71: 52-59.

Khoshnevis M., Ali Ahmad Korori S., Matinizadeh M., Teimouri M., Jalilpour, B. Shirvany A., Torabian, U. (2006) Long-lived trees of north Khorasan province, part 2. Jungle-va-Marta, No. 72: 53-59.

Matinizadeh M., Ali Ahmad Korori S., Teimouri M., Khoshnevis M., Praznik, W. (2005) Seasonal changes of non structural carbohydrates and amylase enzyme in twigs of *Quercus brantii* var. *persica*. Forest and Poplar, 14(3): 269-277.

Khoshnevis M., Ali Ahmad Korori S., Matinizadeh M., Teimouri M., Jalilpour, B. Shirvany A., Mohammadi, A. (2006) Long-lived trees of Shahroud. Jungle-va-Marta, No. 75: 56-63.

Teimouri M., Ali Ahmad Korori S., Khoshnevis M., Matinizadeh M., Kalagari, M. (2007). Effect of inoculation of phosphate solubilizing bacteria on *Acer velutinum* seedlings. Forest and Poplar, 15(1): 76-82.

Khoshnevis M., Ali Ahmad Korori S., Matinizadeh M., Teimouri M., Jalilpour, B. Shirvany A., Mohammadi, A. (2007) Long-lived trees of Damghan. Jungle-va-Marta, No. 76&77: 66-69.

Farzaneh, H., Ali Ahmad Korori S., Jalili, A., Matinizadeh M., Teimouri M. (2007) Recognizing mycorrhizal fungi associated with *Haloxylon ammodendron* in Sabzevar. Pajouhesh-va-Sazandegi, 76: 113-121.

Khoshnevis M., Ali Ahmad Korori S., Teimouri M., Matinizadeh M., Rahmani, A. Shirvany A., (2008) Effect of different treatments on cutting of *Juniperus excelsa*. Forest and Poplar, 16 (1): 158-167.

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