

CURRICULUM VITAE

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● EDUCATION

B.Sc. Department of horticulture
(1994-98) Ardebil University
B.Sc. degree in horticulture

M.Sc. Department of horticulture
(1999-2001) Tarbiat Modares University (TMU)
By course and research in horticulture Group
The title of thesis : " Study on Early Growth, Performance and Survival of some Asian Pear Cultivars (*Pyrus serotina* Rehd.) on European pear (*Pyrus communis* L.) Seedling Rootstocks under Tehran Environmental Conditions." Under supervision of Prof.Kazem Arzani

Ph.d. Department of horticulture
(2008) in Tarbiat Modares University (TMU)
By Course and Research in Department of horticulture
(*In Research Stage*)

By course and research in horticulture Group

The title of thesis : " Effects of Ca, Zn and B applications on chemical composition, postharvest shelf-life and decrease of internal browning incidence in two Asian pear cultivars (*Pyrus serotina* Rehd) under Tehran climatic conditions

● PUBLICATIONS

1. H. Khoshghalb, K. Arzani and G. Karimzadeh, Scion/rootstock interaction determine tree size, grafting success, early performance, vegetative growth and efficiency of nutrient uptake of some Asian Pear Cultivars (*Pyrus serotina* Rehd.) on European pear (*Pyrus communis* L.) Seedling Rootstocks under Tehran Environmental Conditions. In 3rd Iranian Congress of Horticultural Science

2. K. Arzani, H. Khoshghalb, and G. Karimzadeh,(2005) Scion/Rootstock Influence on grafting success, early performance, tree survival and efficiency of nutrient uptake of some asian pear(*Pyrus serotina* Rehd) cultivar. In Acta horticulture. 671.

3. H. Khoshghalb, K. Arzani and G. Karimzadeh, Scion/Rootstock determine tree size and vegetative growth of nine asian pear(*Pyrus serotina* Rehd) on European pear seedling rootstock in Tehran state. Third International Iran and Russia Conference " Agriculture and Natural Resources", Moscow, Russia.

4. H. Khoshghalb, K. Arzani and G. Karimzadeh, Scion/Rootstock Influence on grafting success, early performance, efficiency of nutrient uptake and tree survival of some asian pear(*Pyrus serotina* Rehd) in first and second growing season. Third International Iran and Russia Conference " Agriculture and Natural Resources", Moscow, Russia.

5. Arzani, A., Khoshghalb, H. and Karimzadeh, G. (2004). Scion/rootstock influence on grafting success, early performance, tree survival and efficiency of nutrient uptake of some Asian pear (*Pyrus serotina* Rehd.) cultivars. In: The Proceedings of The 9th International Pear Symposium 2004, 1-6 Feb, 2004. Univ. of Stellenbosch, Department of Horticultural Sciences, South Africa, pp. 41.

6- Khoshghalb, H^{1*}, Arzani, K², Malakouti, M³.J, Barzegar, M⁴ and Tavakoli, Ali. (2007) Quality of some Asian pear (*Pyrus serotina* Rehd.) fruit in relation to pre-harvest CaCl₂, Zn and B sprays, harvest time, ripening and Storage Conditions. 10th International symposium on pear. Portugal June 2007.

7- Khoshghalb, H^{1*}, Arzani, K², Malakouti, M³.J. and Barzegar, M⁴ (2007) The relationship between antioxidant level and internal browning disorder in some Asian pear (*Pyrus serotina* Rehd.) fruit genotypes. 10th International symposium on pear. Portugal June 2007.

8- Change of Sugar and Organic Acid Content in Two Asian Pear (*Pyrus serotina* Rehd.) Cultivars 'KS', and 'KS'₁₃ During Fruit Development and Postharvest Storage and Effects on Fruit Shelf life, quality and Internal Browning Disorder. Food Symposium 2005. Isfahan University of technology.

9- Hassan Khoshghalb, Dr Kazem Arzani, Prof Mohamad Jaafar Malakouti, Dr Mohsen Barzegar.(2006)Effect of Preharvest, Harvest and Postharvest Factors on the Quality and Internal Browning of Asian pear (*Pyrus serotina* Rehd.). 27th International Horticultural Congress (IHC 2006). Korea.

10- Hassan Khoshghalb*, Dr Kazem Arzani, Dr Ghasem Karimzadeh.(2006).

Scion/rootstock interaction determine tree size, grafting success, early performance, vegetative growth and efficiency of nutrient uptake of some Asian Pear Cultivars (*Pyrus serotina* Rehd.) on European pear (*Pyrus communis* L.) Seedling Rootstocks under Tehran Environmental Conditions. 27th International Horticultural Congress (IHC 2006). Korea.

11- Arzani, K., Khoshghalb, H., Malakouti, M.J. and Barzegar, M. 2008a. Postharvest physicochemical changes and properties of Asian (*Pyrus serotina* Rehd.) and European (*Pyrus communis* L.) pear cultivars. Hort. Environ. Biotechnol. **49**:1-9.

12-Arzani, K., Khoshghalb, H., Malakouti, M.J. and Barzegar, M. 2009. Polyphenoloxidase Activity, Polyphenol and Ascorbic Acid Concentrations and Internal Browning in Asian Pear (*Pyrus serotina* Rehd.) Fruit During Storage in Relation to Time of Harvest. European J Hort Sci. (In Press).

13-Arzani, K., Khoshghalb, H., Malakouti, M.J. and Barzegar, M. 2010. Effect of CaCl₂, Zn and B applications with harvest time on fruits polyphenol oxidase (PPO) activity of two Asian pear (*Pyrus serotina* Rehd.) cultivars during storage. In Acta horticulture. (In Press).

14- Arzani, K., Khoshghalb, H., Malakouti, M.J. and Barzegar, M. 2010. Total Oxalate-Soluble Pectin Concentration in Asian Pear (*Pyrus serotina* Rehd) Fruit in Relation to Ripening, Storage and Internal Browning Disorder. Jaast (In Press).

● AREA of INTERESTS

1. post harvest physiology
2. study on postharvest disorder
3. biochemical change in fruit ripening
4. plant nutrition

● EMPLOYMENT

1995– 1996 Agricultural Researching Center in shahroud of Ministry of agriculture

● WORKING EXPERIENCE

1. Feasibility studies on Asian pear in Iran.
2. Teaching assistant for the course Horticulture science, Varamin University, 2002-2003.
3. Teaching for Course Horticulture science , shahroud University of technology 2002-2005.

● MEMBERSHIP

- 1.Iranian Horticultural Society (IHS).
- 2.Iranian Student of Horticultural Society of Ardabil university.

● **CAPABILITIES**

1. Good knowledge of common software's such as : SPSS, MSTATC.
2. Using Internet services such as : E-Mail , Web , ftp
3. Using Information banks such as : CDs , Libraries , journals and Internet services.

● **RFFERENCES**

- 1-Dr.K. Arzani (Massay University Graduated),Head of Horticulture science Dept Tarbiat Modarres University –Tehran – IRAN.
- 2-Dr. Mohamad Ali Shahbaig . Ministry of Agriculture, Karaj, Iran.
- 3-Dr. M. J. Malakooti . Head of Soil Reaserch Center. Ministry of Agriculture, Tehran, Iran.
- 4-Dr.Mohsen Barzegar. ,Head of Food science industry Dept Tarbiat Modarres University – Tehran – IRAN.
- 5-Dr.G.Karimzadeh . Faculty of Agriculture(Plant Breeding dept) Tarbiat Modarres University – Tehran –IRAN.