

1- PERSONAL DETAILS

Name: Dr Abbas Yadollahi

Address: Department of Horticultural Sciences, Tarbiat Modares University (TMU), PO Box 14115-336 ,Tehran, IRAN

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2- TERTIARY EDUCATION

- Sep 2002 - Sep 2007: [PhD in Horticultural Sciences \(Top Student\)](#),

Department of Horticultural Sciences, Faculty of Agriculture, Tarbiat Modares University (TMU), Tehran, Iran

Thesis Title: Cyanogenesis and Drought Stress of Bitter and Sweet Almond Genotypes (*Prunus dulcis* Mill.)

- Aug 2006 - July 2007: [Sabbatical in University of Adelaide, Australia.](#)

Assisting in Almond Flavour Project, Australia including Biochemistry and Proteomics Techniques.

- Sep 1999 - Jan 2002: **MSc Pomology, Horticultural Sciences**

Department of Horticultural Sciences, Faculty of Agriculture, Tarbiat Modares University (TMU), Tehran, Iran

Thesis Title: Effect of Paclobutrazol (PBZ) on Vegetative and Reproductive Growth of Almond (Prunus amygdalus Batsch)

- Feb 1995 - Jul 1999: **BSc Horticultural Sciences**

Department of Horticultural Sciences, Faculty of Agriculture, The University of Tehran, Karaj, Iran.

3- EMPLOYMENT HISTORY

Sep 2007 - Current:

Position: Academic Member in Department of Horticultural Sciences, Tarbiat Modares University, Tehran, Iran.

Duties: Assistant Professor, Researching and Lecturing for Master and PhD Students.

Oct 2008 - Current:

Position: Scientific Advisor in Deputy of Plant Production, Ministry of Agriculture, Tehran Iran.

Duties: Scientific Advisor of Rainfed orchard extension, Seed and Seedling Committee.

Apr 2001 - Apr 2002:

Position: Scientific Advisor in Ministry of Agriculture and Member of Iranian NutCrops Specific Board, Tehran, Iran.

Duties: Advisor in Almond crop improvement Project, Iran

Sep 2001 - Jan 2002: Guest Lecturer of Faculty of Agriculture, University of Shahrood,

Position: Teaching Plant Systematics, Physiology (Graduate Students).

4- SKILLS AND ABILITIES

- Project Management
- Excellent Interpersonal Skills
- Achievement Oriented - High Achiever
- Fluent in English, Writing and Speaking

5- Teaching Experiences

- 1- Advanced in Nut crops for Master Students. (2007-2010). Department of Horticultural Science, Tarbiat Modares University, Tehran, Iran.
- 2- Plant Biotechnology for PhD Students. (2008-2010). Department of Horticultural Science: Tarbiat Modares University, Tehran, Iran.
- 3- Cytogenetics for Master Students. (2007-2010). Department of Horticultural Science, Tarbiat Modares University, Tehran, Iran.
- 4- Rainfed plantation in dry land areas for PhD Students. (2008-2010). Department of Horticultural Science: Tarbiat Modares University, Tehran, Iran.
- 5- Plant Propagation.; Fruit Production.; Introduction to Horticulture. For undergraduate students. (2008-2010). Azad university of Roudehen, Tehran, Iran.

6- AREAS OF INTEREST & EXPERTISE

- Rootstocks of Fruit Trees, Breeding and micro propagation
- Plantation in dry land areas
- Plant Physiology & Breeding
- Molecular Biology
- Horticulture and Pomology

7- TECHNICAL SKILLS

- Plantation in rainfed conditions
- Plant Photosynthesis Measurements
- Protein Extraction of Plant Tissues
- SDS-Page (1-D and 2-D Gel), Western Blotting
- HPLC Analysis
- Plant Nutrient Analysis
- Plant Tissue Culture
- Plant Cytogenetics

8- HONOURS:

October 2003: Top student Tarbiat Modares University PhD exam.

October 2004: The most successful Student of The Tarbiat Modares University.

October 2007: Outstanding and Top Student of the Tarbiat Modares University.

9- CONFERENCE & WORKSHOPS

- The 6th International Walnut Symposium, February 25-27, 2009, Melbourne, Australia.
- Southeast Asia Symposium on Assuring Quality and Safety of Fresh and Fresh Cut Produce (SEAsia2009) August 3-5, 2009, Bangkok, Thailand.
- Workshop of Application of Recombinant Technology in Medicine, “ From Gene to Protein”, March 2006, Tehran, Iran.
- Abscisic Acid Extraction and purification via LC-MS, CSIRO, 2006, Adelaide, Australia.
- The 5th International Symposium on Irrigation of Horticultural Crops, August 2006, Mildura, Australia.
- Workshop of Biotechnology in Agriculture, “Gene Transfer Techniques”, February 2006, Tehran, Iran.
- The 4th International Symposium of Pistachio and Almond, June 2005, Tehran, Iran.
- The 15th National and 3rd International Conference of Biology, August, 2008, Tehran, Iran
- The 1st International Workshop on Agroecological Systems: Simulation and Modelling. May, 2008, Tehran, Iran.

10- PUBLICATIONS

1-Book

1- Yadollahi, A. and Rahemi, A. (2004). Establishment and maintenance of almond orchards in rain fed conditions. Agriculture Ministry Publications. Iran (Published Book, ISBN: 964-6126-56-1).

2- Yadollahi, A. Sarikhani, S., Asadi, S and Fotohi, R. (2013). Fruit Trees Frost and Its Management in Orchards. Plant Protection Organization. 245pgs.

3- Yadollahi, A. Sarikhani, S., and Kohandel, A(2013). Practical Methods of Water Harvestng for Horticultural Crops Coltivation in Rainfed Condition. Jahad Daneshgahi Press, Tehran University. 196pgs.

2- Conference Papers

- 1- Yadollahi, A.; Tavasolian, I. (2010). Integrated methods of water harvesting and moisture maintenance of irrigation efficiency improvement and reduce in evaporation in tree fruit orchards. 10th Iranian conference on Irrigation and reduce of evaporation, march, Kerman, Iran.
- 2- Yadollahi, A., Arzani, K. and Wirthensohn, M. (2009). Bitterness and Drought Resistance of Almond (*Prunus dulcis* Mill).5th International symposium on Pistachios & Almonds, Sanliurfa, Turkey.
- 3- Yadollahi, A., Arzani, K. and Wirthensohn, M. (2009). Study of Different Almond Genotypes Responses to Moderate and Severe Drought Stress in Order to Screening Drought Resistance Rootstocks. 5th International symposium on Pistachios & Almonds, Sanliurfa, Turkey.
- 4- Yadollahi, A., Arzani, K., Franks, T., Wirthensohn, M., Kaiser, B., Guerin, J.R., Sedgley, M. and Ford, C. (2009). Kernel Bitterness of Almond (*Prunus dulcis*). 5th International symposium on Pistachios & Almonds, Sanliurfa, Turkey.
- 5- Yadollahi, A., Arzani, K. and Khoshghalb, H. (2009). The Role of Nanotechnology in Horticultural Crops Postharvest Management.Southeast Asia Symposium on Assuring Quality and Safety of Fresh and Fresh Cut Produce (SEAsia2009) Thailand.
- 6- Yadollahi, A., Arzani, K., Franks, T., Wirthensohn, M., Kaiser, B., Guerin, J.R., Sedgley, M., Ford, C. and Tavassolian, I. (2009).Cyanogenic biosynthesis study of bitter and sweet Almond (*Prunus dulcis*).6th National Biotechnology Congress of Iran, Tehran- Iran.
- 7- Yadollahi A., Vahdati K. and Lotfi N. (2009). Morphological and Physiological Responses to Water Stress in Different Seedlings of Persian Walnuts. The 6th International Walnut Symposium, Melbourne, Australia.
- 8- Yadollahi A., Franks, T., Wirthensohn, M., Kaiser, B., Sedgley, M. and Ford, C. (2008). Bitterness mechanism of Almond (*Prunus dulcis*). 15th National & 3rd International Conference of Biology, 19-21 August 2008, Tehran, Iran.
- 9- Yadollahi A., Arzani, K., Ebadi, A. and Wirthensohn, M.G. (2006). Response of 6 almond genotypes to drought stress. The 5th International Symposium on Irrigation of Horticultural Crops, August 2006, Mildura, Australia.
- 10- Yadollahi A., Arzani, K., Gradziel, T.M. and Ebadi, A. (2006). The Effect of Controlled Pollination and Pollen Source on Fruit Set and Fruit Quality of Almond (*Prunus amygdalus* Batsch). 27th International Horticultural Congress (IHC 2006) Seoul, Korea
- 11- Yadollahi A. and Arzani, K. (2006). The relationship amongst seed genotype, germination

rate and establishment of almond (*Prunus amygdalus* Batsch) seedlings. 27th International Horticultural Congress (IHC 2006) Seoul, Korea

12- Yadollahi A. and Arzani, K. (2006). Rootstock effects on fruit quality of five cultivars of apple (*Malus domestica* Borkh) in the Damavand Region of Iran. XV congress of the Federation of European Societies of Plant Biology, Lyon, French.

13- Yadollahi, A., Arzani, K., Vezvaei, A. and Gradziel, T.M. (2005). Relationship between genotype and the amount of cyanogenic compounds in growth of almond seedlings (*Prunus amygdalus* Batsch). The 4th Iranian Horticultural Sciences Congress, Mashhad Iran.

3- Journal Papers

1- Yadollahi, A., NazaryMoghadam, A. R. (2012). Micropropagation of GF 677 Rootstock. *Journal of Agricultural Science*, Vol 4, No. 5; 131-138.

2- E. Mahmoudi, E., Soltani, B. M., Yadollahi, A. and Hosseini, E. (2012). Independence of color intensity variation in red flesh apples from the number of repeat units in promoter region of the *mdmyb10* gene as an allele to *mdmyb1* and *mdmyba*. *Iranian Journal of Biotechnology*, Vol. 10, (3), 153-160.

3- Barzegar, K., Yadollahi, A., Imani, A. and Ahmadi, N. (2012). Responses to drought stress of almond cultivars and genotypes grown under field conditions. *International Journal of Agriculture: Research and Review*. Vol. 2 (3), 205-210.

4- Barzegar, K., Yadollahi, A., Imani, A. and Ahmadi, N. (2012). Influences of severe water stress on photosynthesis, water use efficiency and proline content of almond cultivars. *Journal of Applied Horticulture*, Vol 4 (1), 22-40.

5- Yadollahi, A., Abdollahi, M.R. and Moeini, A. (2011). Effects of carbon source, polyethylene glycol and abscisic acid on secondary embryo induction and maturation in rapeseed (*Brassica napus* L.) microspore-derived embryos. *Acta Physiologiae Plantarum*, (33) 1905-1912.

6- Yadollahi, A., Arzani, K., Ebadi, A. Wirthensohn, M. and Karimi, S. (2011). The response of different almond genotypes to moderate and severe water stress in order to screen for drought tolerance. *Scientia Horticulturae* (129) 403-413.

7- Ghasemi, M., Arzani, K., Yadollahi, A., Sarikhani Khorami, S. and Ghasemi, S. (2011). Estimate of Leaf Chlorophyll and Nitrogen Content in Asian Pear (*Pyrus serotina* Rehd.) by CCM-200. *Notulae Scientia Biologicae*, 3(1):91-94.

8- Yadollahi, A., K. Arzani and H. Khoshghalb (2010). The Role of Nanotechnology in Horticultural

Crops Postharvest Management. Acta Horticulturae (875) 49-56.

9- Yadollahi, A., Kholdebarin, B., Lotfi, N., Vahdati, K., Amiri, R. and Hassani, D. (2010). Morphological and physiological responses to water stress for seedlings of different walnut genotypes. Acta Horticulturae. (861) 253-262.

10- Arzani, K., Yadollahi, A., Ebadi, A. and Wirthensohn, M. (2010). The relationship between bitterness and drought resistance of almond (*Prunus dulcis* Mill.) African Journal of Agricultural Research, (9) 861-866.

11- Franks, T., Yadollahi, A., Wirthensohn, M., Kaiser, B., Sedgley, M. and Ford, C. (2008). A seed coat cyanohydrin glucosyltransferase is associated with Bitterness in almond (*Prunus dulcis*) kernels. Functional Plant Biology, (35) 236-246.

12- Yadollahi, A., Arzani, K. and Ebadi, A. (2008). Evaluation of morphological markers linked to drought resistance in cultivated almond seedlings (*Prunus dulcis* Mill). Iranian Journal of Agricultural Sciences, Tehran University (Karaj). 40 (1) 1-12.

13- Yadollahi, A. and Arzani, K. (2007) The Effect of Paclobutrazol application on vegetative growth, leaf mineral content and fruit set in almond (*Prunus amygdalus* Batsch Cv. Mamaei). Agricultural Sciences and Technology (Ferdowsi University of Mashhad, in Farsi). 21(2) 31-40.

14- Rahemi, A. and Yadollahi, A. (2005). Rainfed Almond Orchards of Iran, Situation and future. Acta Horticulturae (276) 247-252.

11- HOBBIES/ACTIVITIES

Wrestling (1991 - 2003). Member of wrestling team of Tehran University and then Tarbiat Modares University. One national gold medal and one national silver medal.

Camping, Swimming, Mountain Climbing.

12- REFEREES

Name: Dr. Christopher Ford

Title: Senior Lecturer

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Name: Dr. Kourosh Vahdati

Title: Senior Lecturer

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