

Curriculum Vitae *(July 2010)*

Personal Information:

Name: Alireza Babaei
Marital status: Married
Date of birth: 22/09/1976

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Academic Background:

Education

PhD in Horticultural Biotechnology, Tarbiat Modares University (TMU), Tehran, Iran, 2002- 2007
MSc. in Horticultural Science, Guilan University, Rasht, Iran, 1999-2002
BSc. in Horticultural Science, University of Tehran, Tehran, Iran, 1995-1999

Dissertations

PhD thesis entitled: Genetic variation analysis of different Iranian Damask rose (*Rosa damascena* Mill.) landraces using morphological and molecular markers.

MSc thesis entitled: A study on propagation of two varieties of *Anthurium andraeanum* via tissue culture system.

Scientific Sabbaticals:

Plant Research International (PRI), Wageningen University, The Netherlands
06.2006 - 03.2007

Plant Research International (PRI), Wageningen University, The Netherlands
07.2008 - 10.2008

Scientific Papers

1. Babaei, A., S.R. Tabaei-Aghdaei, Khosh-Khui, M., Omidbaigi, R., Naghavi, M.R., Esselink, G.D., Smulders, M.J.M. (2007) Microsatellite analysis of Damask rose (*Rosa damascena* Mill.) accessions from various regions in Iran reveals multiple genotypes. ***BMC Plant Biology*. 7:12**

2. Tabaei-Aghdaei, S. R., Babaei, A., Khosh-Khui, M., Jaimand, K., Bagher Rezaee, M., Assareh, M. H. and Naghavi M. R. (2007) Morphological and oil content variations amongst Damask rose (*Rosa damascena* Mill.) landraces from different regions of Iran. ***Scientia Horticulturae*. 113:44-48.**

3. Tabaei-Aghdaei, S.R., Hosseini Monfared, H., Fahimi, H., Ebrahimzade, H., Jebelly, M., Naghavi, M.R. & Babaei, A. (2006), Genetic variation analysis of different populations of *Rosa damascena* in NW. Iran. Using RAPD Markers. ***Iranian Journal of Botany*. 12 (2): 121-127.**

4. Babaei, A., Tabaei-Aghdaei, S.R., Khosh-Khui, M., Omidbaigi, R., Assareh, M. H. and Naghavi M. R. Botanical characters and heritability analyses of Iranian Damask roses. ***Iranian Journal of Botany*. (in press)**

5. Babaei *et al.*, A Study on essential oil variation of Damask rose (*Rosa damascena* Mill.) landraces grown in Iran, will be submitted to ***Journal of Agricultural and Food Chemistry*.**

Presentations in International Meetings

- A Strategic Program on Identification and Genetic Improvement of Rose species in Iran. First International Rose Genomics meeting, 2007, Angers, France
- Microsatellite analysis of Damask Rose (*Rosa damascena* Mill.) accessions from different regions of Iran. XV International Plant & Animal Genome Conference (PAG XV), 2007, San Diego, USA
- *In Vitro* Propagation in Two Varieties of *Anthurium andraeanum*. 27th International

Horticultural Congress & Exhibition, 2006, Korea

- **Evaluation of Botanical Characters and Oil Content in Iranian Landraces of Damask Rose (*Rosa damascena* Mill.).** 27th International Horticultural Congress & Exhibition, 2006, Korea

- **Callus Induction and Plantlet Regeneration in Two Varieties of *Anthurium andraeanum*.** 26th International Horticultural Congress (IHC 2002), 2002, Canada

Work Experience

- Work as a Teaching & Research Assistant at Guilan University (Faculty of Agriculture), Sept. 2004 - Feb. 2006
- Work on Generose project (an EU-Funded project to get information on the genetic diversity of natural populations of various *Rosa* spp. in the Netherlands and some European countries using AFLP and SSR markers) as a guest researcher, Wageningen University, June 2006 - March 2007
- Work as an Assistant Professor and teaching "Plant Tissue Culture" and "Introduction to Plant Biotechnology" at Tarbiat Modares University (TMU), Sept 2007 up to now

National & International Workshops

- Workshop on **Gene Cloning**, 1- 4 March 2003, Held at Tabriz University, **Tabriz, Iran.**
- Workshop entitled "**Application of Recombinant Technology in Medicine**" **FROM GENE TO PROTEIN**, 11-14 March 2006, Tarbiat Modares University (TMU), **Tehran, Iran.**
- **GeneRose Workshop**, 29-30 June, 2006, **Melle, Belgium**
- Workshop entitled: "**New Techniques for Gene Mapping and Cloning**", 21-23 May 2008. (Lecturers: Hans de Yong, Edwin van der Vossen, Rients Niks & Thierry Marcel from Wageningen University), Zanzan University, Zanzan - Iran

Honors

- An award from the Iranian Ministry of Science, Research and Technology as a top researcher in 2001.
- The first rank student in PhD entrance exam of Tarbiat Modares University, 2002
- An award from the Dean of Agriculture faculty of Tarbiat Modares University as a top PhD student.
- Travel grant for participation in XV International Plant & Animal Genome Conference (PAG XV), held in San Diego, USA, from LEB foundation, Wageningen University, The Netherlands, 2006.

Laboratory Experiences

- Plant tissue culture
- Molecular marker analysis (RAPD, AFLP, SSR & SNP)
- Marker assisted selection & gene mapping and some other molecular lab qualifications

Related Passed Courses

Genetics
Plant Tissue Culture
Plant Biochemistry
Plant Biotechnology
Cytogenetic

Computer Skill

DNA STAR, Genotyper 3.6, MAP MAKER, QTL- CARTOGRAPHER,
JOINTMAP, NTSYS, SPSS, EXCEL, WORD-PERFECT

Personal Achievement

- Swimming lifeguard certificate
- Swimming instructor certificate

References:

Dr. M.J.M (Rene) Smulders

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