

Curriculum Vitae of Hamid Sadeghi Garmaroodi

Family name: Sadeghi Garmaroodi **Given name:** Hamid

Nationality: Iran

Date and Place of birth: May 31, 1971, Tehran-Iran

Marital Status: Married, two children

Phone (work): 026-36703771

Email: hsgarmaroodi@gmail.com; hsgarmaroodi@spii.ir

Academic information:

	Name and address of school	duration	Major subject	Diploma or degree awarded
Higher education, undergraduate level	Isfahan University of Technology	Sep. 1990 Feb. 1995	Plant Protection	Bachelor of Science GPA: 15.44
Graduate level (I)	Tarbiat Modarres University	Sep. 1995 May 1998	Plant Pathology	Master of Science GPA: 16.40
MSc. Thesis title: Spot Blotch of wheat caused by the fungus, <i>Bipolaris sorokiniana</i> and assessment of disease tolerance in some wheat cultivars ; supervised by Prof. Alizadeh. Defence date: 5 May, 1998				
Graduate level (II)	Okayama University	Oct. 2004 Mar. 2008	Molecular Cytogenetics	Ph.D GPA: A
PhD. Thesis title: Studies on the accumulation of PDA1 conditionally dispensable chromosome in the genome of plant pathogenic fungus, <i>Nectria haematococca</i> ; supervised by Masatoki Taga. Defence date: 20 Feb, 2008				
Post graduate level	University of Lethbridge	Jan. 2010 Jun. 2011	Mathematical Biology	

Out of Science Time: Military service: Sep. 1998- Mar. 2000

Fellowships and awards:

Iranian Ministry of Agriculture fellowship for 1 year during Master courses.

MEXT (Japanese government) scholarship during 3 years of PhD in Japan.

Employment Records:

1. May 2000- October 2004 in Seed and Plant Improvement Institute (SPII),

Ministry of Agriculture, Iranian government

Mahdasht Ave., 31585-4119, Karaj, Iran.

Position held: Junior Researcher

Type of work: Research in Patho-breeding of Oilseed crops (Soybean, Sesame and Safflower)

2. April 2008-Jan. 2010 at Seed and Plant Improvement Institute (SPII),

Position held: Assistant Professor

Type of work: Research in Patho-breeding of Oilseed Crops (Soybean, Sesame and Safflower)

Teaching Experience:

1- Plant Cytogenetics, University of Payame-e-Noor, Karaj, 3 semesters (2008-2010).

2- Plant Pathology, Imam Khomeini University of Applied Technology, Karaj, Iran, Fall 2009.

3- General Microbiology, Payame Nour University, Karaj. Fall, 2011

Wet-lab skills:

1- Cytological studies of filamentous fungi and plants including chromosome counting using germ tube burst method by fluorescence microscopy and also chromosome painting via fluorescence *in situ* hybridization (FISH).

2- Electrophoretic karyotyping by Pulsed Field Gel Electrophoresis (PFGE).

3- Transformation of fungi

4- Fungal protoplasting and protoplast fusion

5- Southern analysis

6- PCR and primer design

7- Inoculation of plants with pathogenic fungi and viruses in the lab, greenhouse and field.

8- Culturing the fungi and bacterial plasmid

9- Polyacrylamide gel electrophoresis (SDS-Page).

Attendance in workshops:

1. Safety rules to handle radioactives in the lab. Okayama University. 2005.

2. Gene transfer and expression in plants. National Research Center for Genetic engineering and Biotechnology. 2002.

3. Application of Statistical Plans in Agriculture. SPII. 2003.

4. 7th Mathematical Biology summer workshop, University of Alberta, May 11-21, 2010.

Referees address

1- Prof. Masatoki Taga, Associate professor, (mtaga@cc.okayama-u.ac.jp)

Department of Biology, Faculty of Science, Okayama University, 3-1-1 Tsushima naka, Okayama 700-8530, Japan. Phone: 81-86-251-8656. Fax: 81-86-251-7876

2- Marc R. Roussel, Professor (roussel@uleth.ca)

Department of Chemistry and Biochemistry, University of Lethbridge, Lethbridge, Alberta, Canada T1K 3M4. phone: +1 403 329 2326 ; fax: +1 403 329 2057

3-Ali Akbar Masoudi, Assistant Prof. (masoudia@modares.ac.ir)

Faculty of Agriculture, Tarbiat Modarres University, Nasr Bridge, Jalale-Al-Ahmed, Tehran, Iran, Post Box: 14115-336 ; Phone: 021-48292353

Publications :

- 1- **Sadeghi Garmaroodi H**, Alizadeh A, Saidi A. 2002. Investigation on spot blotch of wheat caused by *Bipolaris sorokiniana* and relative resistance of some wheat cultivars and lines to it. Seed and plant Journal 17: 358-488. (abstract in English).
- 2- **Sadeghi Garmaroodi, H.**; Mirabolfathy, M.; Babai, H. and Zeinali, H. 2007. Physiologic races of *Phytophthora soja* in Iran and race specific reaction of some soybean cultivars. Journal of Agricultural Science and Technology (JAST) 9: 243-249.
- 3- **Sadeghi Garmaroodi, H.** and Taga, M. 2007. Duplication of a conditionally dispensable chromosome carrying pea pathogenicity (*PEP*) genes cluster in *Nectria haematococca* MPVI. Molecular Plant Microbe-Interaction 20 (12): 1495-1504.
- 4- Eusebio-Cope, A.; Suzuki, N.; **Sadeghi Garmaroodi, H.** and Taga, M. 2009. Cytological and electrophoretic karyotyping of the chestnut blight fungus, *Cryphonectria parasitica*. Fungal Genetics and Biology 46: 342-351.
- 5- **Sadeghi H**, Mansouri S. 2014. Primary Evaluation of Sesame Germplasm for resistance to Charcoal rot disease in laboratory condition. Seed and Plant Improvement Journal 30-1(3). 493-505.
- 6- Khatami M, **Sadeghi H**, Torabi M. 2014. *In vitro* screening of some apple rootstocks for resistance to phytophthora root. Seasonal Journal of Applied Plant Protection 3(3): 203-213.
- 7- Magharri S, **Sadeghi H**, Ashkan M. 2014. *In-vitro* evaluation of resistance of some commercial plum genotypes to phytophthora rot disease (in Farsi). Seasonal Journal of Applied Plant Protection 3(3): 215-223.
- 8- **Sadeghi Garmaroodi H**, Taga M. 2015. Meiotic inheritance of a fungal supernumerary chromosome and its effect on sexual fertility in *Nectria haematococca*. Fungal Biology 119: 929-939.
- 9- Yaghmori F, **Sadeghi H**, Bakhshi Khaniki G, Haj Hosseini R, Omid A. 2015. Screening of promising lines and cultivars of Safflower to Phytophthora root and crown rot (in Farsi). Journal of Crop Breeding 7 (16). 70-78.
- 10- **Sadeghi H**, Mansouri S. 2017. Reaction of improved sesame lines and cultivars to Fusarium wilt at *In vitro* and greenhouse condition (in Farsi). Journal of Applied Researches in Plant Protection 5(2).

Conferences:

Please note that the first author is the presenter.

- 1- **Sadeghi Garmaroodi, H.** and Alizadeh, A. 1998. Investigation on spot blotch of wheat caused by *Bipolaris sorokiniana* and relative resistance of some wheat cultivars and lines to it. Proceeding of the 13th Iranian plant protection congress. Karaj, Iran.
- 2- **Sadeghi Garmaroodi, H.** and Mirabolfathy, M. 2002. Determination of physiological races of

- Phytophthora soja* in Lorestan and Golestan. Proceeding of the 15th Iranian plant protection congress. Razi University of Kermanshah, Iran.
- 3- **Sadeghi Garmaroodi, H.** and Mirabolfathy, M. 2004. Evaluation of the resistance of soybean varieties and lines to root rot disease caused by *Phytophthora soja*. Proceeding of the 16th Iranian plant protection congress. University of Tabriz, Tabriz, Iran.
 - 4- **Sadeghi Garmaroodi, H.** and Mansouri, S. 2004. Evaluation the resistance of sesame improved cultivars and lines against charcoal rot disease caused by *Macrophomina phaseolina*. Proceeding of the 16th Iranian plant protection congress. University of Tabriz, Tabriz, Iran.
 - 5- Chamandousti, F.; Mirabolfathy, M.; and **Sadeghi Garmaroodi, H.** 2004. Resistance of callus tissue of soybean cultivars to races of *Phytophthora soja*. Proceeding of the 16th Iranian plant protection congress. University of Tabriz, Tabriz, Iran.
 - 6- Eusebio-Cope, A.; Suzuki, N.; **Sadeghi-Garmaroodi, H.** and Taga, M. 2006. Electrophoretic and cytological karyotyping of the chestnut blight fungus, *Cryphonectria parasitica* (oral presentation). Annual meeting of the Phytopathological society of Japan (Sapporo).
 - 7- **Sadeghi Garmaroodi, H.** and Taga, M. 2007. Multiplication of the *PEP* cluster-carrying conditionally dispensable chromosomes by protoplast fusion in *Nectria haematococca* (poster presentation). 24th Fungal Genetics conference (Asilomar, CA, USA).
 - 8- **Sadeghi Garmaroodi, H.** and Taga, M. 2007. Duplication of CD chromosome in the intraspecific protoplast fusants of *Nectria haematococca* MPVI (oral presentation). Annual meeting of the Phytopathological Society of Japan (Utsunomiya, Japan).
 - 9- **Sadeghi Garmaroodi, H.** and Taga, M. 2007. Dosage effects of fungal B chromosome: a case for the conditionally dispensable chromosome (CDC) in a plant-pathogenic ascomycete *Nectria haematococca* MPVI (oral presentation). 79th Annual meeting of the Genetics Society of Japan (Okayama, Japan).
 - 10- **Sadeghi Garmaroodi, H.** and Masatoki Taga. 2008. Preferential segregation of a fungal supernumerary chromosome (*PDA1* CDC) during meiosis (oral presentation). 10th Iranian Genetics Conference. Tehran, Iran.
 - 11- Yaghmuri, F.; **Sadeghi Garmaroodi, H.** and Omid, A.H. 2009. Evaluation of relative resistance of different cultivars and lines of safflower to the *Phytophthora*- root rot (poster presentation and full paper). Oilseed nationwide congress. Isfahan University of Technology. Isfahan, Iran.
 - 12- Eusebio-Cope, A.; Suzuki, N.; **Sadeghi-Garmaroodi, H.** and Taga, M. 2009. Cytological and electrophoretic karyotyping of the chestnut blight fungus, *Cryphonectria parasitica* (poster presentation). 25th Fungal Genetics conference. Asilomar, CA, USA.
 - 13- **Sadeghi Garmaroodi, H.**; Wieden, H.J. and Roussel, M. 2011. Mathematical modeling of catechol biodegradation through *meta* pathway. 7th applied mathematical conference, Vancouver, Canada.
 - 14- **Sadeghi Garmaroodi, H.** 2012. The role of a B chromosome on variation of pathogenicity in *Fusarium solani*. Proceeding of the 12th Iranian Genetic congress. 21-23 May, Sh. Beheshti

University, Tehran, Iran.

- 15- **Sadeghi Garmaroodi, H.; Wieden, H.J. and Roussel, M.R.** 2012. Determining choke points of catechol biodegradation in *E.coli* through mathematical modeling. Proceeding of the 12th Iranian Genetic congress. 21-23 May, Sh. Beheshti University, Tehran, Iran.
- 16- **Sadeghi Garmaroodi, H.** and Mansouri, S. 2012. Screening sesame germplasm to damping off in field condition. Proceeding of the 20th Iranian plant protection congress. 25-28 August, University of Shiraz, Shiraz, Iran.
- 17- **Sadeghi Garmaroodi, H.** and Mansouri, S. 2012. Screening sesame lines and cultivars to Fusarium wilt. Proceeding of the 20th Iranian plant protection congress. 25-28 August, University of Shiraz, Shiraz, Iran.