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Date of birth : 21.9.1968

Place of birth : Isfahan , Iran

Nationality : Iranian

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2- Educational Qualification:

B.Sc. (Plant Protection),1993, College of Agriculture, Isfahan University of Technology, Iran

M.Sc. (Plant Pathology), 1996 , College of Agriculture , Shahid Chamran University, Iran

Ph.D. Student (Plant Pathology) , 2002, Tarbiat Modarres University, Iran.

Guest Scientist, Nov.,2001- May, 2002. Center of Applied Genetic, University of Agricultural Sciences, Vienna, Austria.

Guest Scientist, Sep., 2004- Nov., 2004. Center of Applied Genetic, University of Agricultural Sciences, Vienna Austria.

Teaching Duties:
I have involved in teaching the following courses :

A. Under graduate:
1. Introductory Mycology
2. Plant Diseases
B. Graduate:
1. Plant Disease Management
2. Advanced Mycology I
3. Advanced Mycology II
4. Physiology of Fungi
5. Genetics of Plant Pathogens
6. Epidemiology of Plant Diseases

Research Projects:

a. Fusarium Head Blight (FHB) of Wheat and the Possibility of Its Control in Iran, With 20 Sub-projects (1995-Continuing).

b. Karnal Bunt of Wheat and The Possibility of Its Control in Iran, With 12b Sub-projects (1995-Continuing).

3- List of publication:

1. **Safaie, N.** and Minassian, V. 1996. Anastomosis grouping of Rhizoctonia causing damping off in sugar beet seedling in Khuzestan. **Iranian Journal of Plant Pathology 32:** 28.

2. **Safaie, N**. and Minassian, V. 1997. Occurrence of *Ceratobasidium* (*Rhizoctonia fragariae*) root and fruit rot of strawberries in Khuzestan province. **Iranian Journal of Plant Pathology 33:** 126-131.

3. Mossavi- Jorf, S. A., Alizadeh, A., Farrokhi - nejad, R. and **Safaie, N.** 2000. Sexual incompatibility system of Iranian isolates of *Tilletia indica*. **The Scientific Journal of Agriculture 23:** 83-92.

4. **Safaie, N**., Minassian, V., Rahimian, H. and Banihashemi, Z. 1999. Isolation and identification and pathogenicity of Rhizoctonia fungi isolated from several host plants in the Khuzestan province. **Iranian Journal of Plant Pathology 35:**1-8.

5. Naseri, B., Alizadeh, A., Saeedi, A. and **Safaie, N**. 2001. Population structure of *Fusarium graminearum* based on vegetative compatibility groups (VCGs) and its relationship to virulance of isolates. **Iranian Journal of Plant Pathology 36:** 261-280.

6. **Safaie, N.** and Alizadeh, A. 2001. Phenotypic diversity in *Fusarium graminearum* isolates and

introduction of a new genetic marker for the species. **Iranian Journal of Plant Pathology 37:** 197 – 208.

7. Mittenrbauer, R., Weindorfer, H., **Safaie, N.**, Krska, R., Lemmens, M., Ruckenbauer, P., kuchler,K. and Adam, G. 2003. A sensitive and inexpensive yeast bioassay for the mycotoxin zearalenone and other compounds with estrogenic activity. **Appled and Environmental Microbiology 69:** 805-811.

8. Mitterbauer, R., Bachmann, H., Poppenberger, B., **Safaie, N.**, and Adam, G. 2003. Development and applications of a yeast-based bioassay for the mycotoxin zearalenone. **Mycotoxin Research 19:** 69-72.

9. Alizadeh, A. Etaati, M., **Safaie, N.** and Saidi , A. 2003. A sensitive bioassay method for evaluation of zearalenone production in *Fusarium graminearum* isolates, the causal agent of head blight of wheat. **Iranian Journal of Plant Pathology 39(3-4):** 137-159.

10. Mirzaee, S., Alizadeh, A. and Safaie, N. 2003. Temporal analysis of wheat fusarium head blight progress in greenhouse using epidemiological models. **Seed and Plant 19:** 333-351.

11. Mirzaee, S., Alizadeh, A., **Safaie, N.** and Dehghan, M. A. 2004. Temporal analysis of fusarium head blight epidemics in the field. **Iranian Journal of Plant Pathology 40:**127-150.

12. Madanian, R., Minassian, V., **Safaie, N.** and Mahmoodi. 2004. An investigation on the progress of Cercospora leaf spot by epidemiological models. **Iranian Journal of Plant Pathology 40:** 327-343.

13. Alizadeh, A., Etaati, M., **Safaie, N.** and Saidi, A. 2003. A sensitive bioassay method for evaluation of zearalenone production in *Fusarium graminearum* isolates the causal agent of head blight of wheat. **Iranian Journal of Plant Pathology 39(3-4):** 137-159.

14. **Safaie, N.**, Alizadeh, A., Saidi, A., Rahimian, H. and Adam, G. 2005. Molecular characterization and genetic diversity among Iranian populations of *Fusarium graminearum,* the causal agent of wheat head blight. **Iranian Journal of Plant Pathology 41:** 171-189.

15. **Safaie, N.**, Alizadeh, A., Saidi, A., Rahimian, H. and Adam, G. 2005. Optimization of a bioassay method for evaluation of zearalenone production in fungi and its application to Iranian isolates of *Fusarium graminearum.* **Iranian Journal of Plant Pathology41:** 229-241.

16. **Safaie, N.**, Taliee and F., Alizadeh, A. 2005. Response models for macroconidium germination of *Fusarium graminearum* as influenced by temperature. **Iranian Journal of Plant Pathology** (Accepteded).

17. Mohammadi, A., Alizadeh, A. Mirabolfathi, M. and **Safaie, N.** (2007). Changes in racial

composition of Phytophthora sojae in Iran between 1998-2005. **Journal of Plant Protection Research 47:** 29-33.

18. Haratian, M., Sharifnabi, B. Alizadeh, A. and **Safaie, N.** (2006). Detection of genes involved in trichothecene production in Iranian isolates of Fusarium graminearum by PCR. **Iranian Journal of Plant Pathology 42:** 519-538.

19. **Safaie, N.**, Taliee, F. and Alizadeh, A. (2006). Response models for macroconidium germination of Fusariun graminearum as influenced by temperature. **Iranian Journal of Plant Pathology 42:** 19-31.

20. Taliee, F., Alizadeh, A. **Safaie, N.** and Dehghan, M. (2006). Temporal analysis of wheat Fusrium head blight epidemics. **Iranian Journal of Agricultural Sciences. 37:** 811-820.

21. Ranjbaran, M., Alizadeh, A. and **Safaie, N.**. (2006). Genetic diversity of Iranian population of Phytophthora nicotianae using RAPD and ISSR markers. **Iranian Journal of Plant Pathology** (Accepted).

22. Khorasani, A., Alizadeh, A. and **Safaie, N.** (2008). Biological control of Fusarium wilt of potato using antagonistic mutant bacteria. **Iranian Journal of Plant Pathology** (Accepted).

23. Derakhshan, A., **Safaie, N.** and Alizadeh, A. (2008). Evaluation of epiphytotic bacteria for biolcontrol of head blight and monitoring stability of ntagonist population on wheat in greenhouse. **Iranian Journal of Plant Pathology** (Accepted).

24. Mousanejad, S., Alizadeh, A. and **Safaie, N.** (2008). Weather factors determining spore population dynamics of rice blast fungus and disease severity in Guilan province. Journal of Plant Protection Research (Submitted).

25. Mirzaie, S. Mohammadi Goltapeh, E. Shamsbakhsh, E. and **Safaie, N.** 2008. Identification of Botrytis spp. on Plants Grown in Iran. **Journal of Phytopathology 156:** 21-28.

26. Mirzaie, S. Mohammadi Goltapeh, E. Shamsbakhsh, E. and **Safaie, N.** 2008. **Journal of Phytopathology**

27. Haratian, M., Sharifnabi, B. Alizadeh, A. and Safaie, N. 2008. PCR Analysis of the Tri13 gene to Determine the Genetic Potential of Fusarium graminearum Isolates from Iran to Produce Nivalenol and Deoxynivalenol. **Mycopathologia 166:** 109-116.

28. Aghajani, M. A., Alizadeh, A., Rahimian, H. and **Safaie, N.** 2007. R. zeae. **Iranian Journal of Plant Pathology**

29. Zamani, Alizadeh, A. and **Safaie, N.** 2008. **Iranian Journal of Plant Pathology** (Accepted).

30. Zamani, Alizadeh, A. and **Safaie, N.** 2008. Pajohesh and Sazandegi (Accepted).

31. Seraji, A., Pourjan, E., Tanhamaafi, Z. and **Safaie, N.** 2007. **Iranian Journal of Plant Pathology**

32. **Safaie, N.** and Minassian, V. 1998. Determination of anasomosis group of *Rhizoctonia* causing damping off of sour orange seedlings in Khuzestan. Proceedings of 13th Iranian Plant Protection Congress, Karaj. p. 228.

33. Alizadeh, A., Saidi, A., **Safaie, N.,** Mirzaee, S., and Dehghan, M. A. 2001. Analysis of fusarium head blight progress in the field using epidemiological models. Second National Conference on Optimum Utilization of Chemical Fertilizers and Pesticides in Agriculture, Jan. 2001, Karaj, Iran P. 78-79.

34. Mitterbauer, R., Weindorfer, H., **Safaie, N.**, Bachmann, H. and Adam, G. 2002. Yeast Strains Allowing Phenotypic Detection of Estrogenic Activity: Development of a Sensitive and Inexpensive Yeast Bioassay for Zearalenone. 2002 National Fusarium Head Blight Forum Holiday Inn Cincinnati-Airport Conference Center, Erlanger, KY, December 7-9, 2002.

35. Mitterbauer, R., Weindorfer, H., **Safaie, N.**, Bachmann, H., and Adam, G. 2002. Yeast Strains Allowing Phenotypic Detection of Estrogenic Activity: Development of a Sensitive and Inexpensive Yeast Bioassay for Zearalenone. Food Safety, Toxicology and Utilization. P190. National Fusarium Head Blight Forum Proceedings. Dec. 7-9, 2002. Erlanger, KY, USA. US Wheat and Barley ScabInitiative,MichiganStateUniversity.http://www.scabusa.org/pdfs/02Proc_FSTU.pdf

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37. Etaati, M., Alizadeh, A.**, Safaie, N.** and Saidi, A. 2002. Introduction of an accurate and sensitive bioassay method for evaluation of zearalenone production in *Fusarium graminearum* isolates the causal agent of head blight of wheat. Proceedings of the First International Wheat Congress. P. 43. Tehran, Iran.

38. Madanian, R., Minassian, V., **Safaie, N.** and Mahmoodi, B. 2002. An investigation on the progress of *Cercospora* leaf spot using epidemiological models. Proceedings of 15th Iranian Plant Protection Congress. P. 8. Kermanshah, Iran.

39. **Safaie, N.**, Peruci, M., Bachmann, H., Mitterbauer, R., Trail, F., and Adam, G. (2003). Screening of *Fusarium graminearum* mutants for loss of zearalenone production using yeast bioassays. 22nd Fungal Genetics Conference. Asilomar, California, USA. (March 18-23, 2003).

40. Mitterbauer, R., Poppenberger, B., Bachmann, H., Peterbauer, C., **Safaie, N.**, and Adam, G. 2003. *Fusarium* Mykotoxine – Molekularbiologische Ansätze zum Verständnis dern Rolle von Deoxynivalenol und Zearalenon in der Pflanze-Pathogen Interaktion. p. 126. Beiträge 4. Symposium Phytomedizin und Pflanzenschutz im Gartenbau. 22.– 25. September 2003, Wien

(ISSN 1728-9564).

41. Mitterbauer R., Weindorfer H., Bachman H., **Safaie N.**, Krska R., Adam G. 2003. Konstruktion und mögliche Anwendungen eines Hefe-Bioassays für Zearalenon. 25. Mykotoxin-Workshop, Giessen, Deutschland, (19.-21. Mai, 2003).

42. **Safaie, N.,** Alizadeh, A., Saidi, A., Rahimian, R. and Adam, G. 2004. Calibration of a bioassay method for evaluation of zearalenone production in fungi: screening Iranian isolates of *Fusarium graminearum*, the wheat headblight pathogen**.** Proceedings of 16th Iranian Plant Protection Congress, Tabriz. p. 29.

43. **Safaie, N.,** Alizadeh, A., Saidi, A. and Adam, G. 2004. Molecular identification and genetic diversity among Iranian populations of *Fusarium graminearum,* the causal agent of wheat headblight. Proceedings of 16th Iranian Plant Protection Congress, Tabriz. p. 30.

44. Taliee, F., Alizadeh, A., **Safaie, N.**, Homaee, M. and Dhghan, A. 2004. Quantitative temporal analysis of wheat fusarium headblight epidemics. Proceedings of 16th Iranian Plant Protection Congress, Tabriz. p. 39.

45. Taliee, F., Alizadeh, A., Safaie, N. 2004. Response models for macroconidium germination of *Fusarium graminearum* as influenced by temperature. Proceedings of 16th Iranian Plant Protection Congress, Tabriz. p. 494.

46. Sadeghi, L., Alizadeh, A. and **Safaie, N.** (2008). Molecular identification and genetic diversity of Iranian population of Gaeumannomyces graminis var. tritici. 9th International Congress of Plant Pathology, August 24-29,2008, Torino, Italy.