

In the Name of God



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I. Personal Information:

Name: Seyed Ali
Family Name: Moosawi Jorf
Date of Birth: 4 May, 1969
Place of Birth: KhorramShahr , Iran
Nationality: Iranian
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II. Educational Records:

Degree	Field	Faculty	University	City / Country	Date
B.Sc.	Plant Protection	College of Agriculture	Shahid Chamran (JundiShapour) University	Ahwaz, Iran	1988 – 1992
M.Sc.	Plant Pathology	College of Agriculture	Shahid Chamran (JundiShapour) University	Ahwaz, Iran	1993 – 1996
Ph.D.	Mycology and Plant Pathology	College of Agriculture	Tarbiat Modares University	Tehran, Iran	1996 – 2001

III. Academic Experiences:

- Member of academic staff in Plant Protection Department, Faculty of Agriculture, Shahid Chamran (JundiShapour) University, Ahwaz, Iran (from Oct. 2001 – 2010)
- Member of academic staff in Plant Pathology Department, Faculty of Agriculture, Tarbiat Modares University, Tehran, Iran (from 2010 – continued)

IV. Membership of Scientific Societies:

- Iranian Phytopathological Society

V. Employment History:

Title of Position	Duties	Employer	City / Country	Date
Assistant Professor of Plant Pathology	Teaching and Research	Shahid Chamran (JundiShapour) University	Ahwaz, Iran	2001 – 2007
Associate Professor of Plant Pathology	Teaching and Research	Tarbiat Modares University	Tehran, Iran	2007 – Present

VI. Research Interests:

- Plant Disease Control by Nanoparticles
- Histopathology
- Investigation on Smuts and Fusarium
- Fungal Taxonomy and Systematics

VII. Teaching Experiences:

Under Graduate	1) Mycology 2) Plant Pathology 3) Diseases of Fruit Trees
M.Sc.	1) Advanced Mycology 2) Methodology in Plant Pathology 3) Fungal Physiology 4) Physiology of Parasitism 5) Plant – Microorganism Interaction
Ph.D.	1) Advanced Mycology 2) Genetics of Pathogenicity in Plant Pathogens

VIII. Written and translated books and chapters:

- **Moosawi-Jorf, S. A.** 2005. Karnal Bunt of Wheat. Shahid Chamran University Press, Ahwaz, Iran. 196 p. (ed. in Farsi).
- Farrokhi-Nejad, R., and **Moosawi-Jorf, S. A.** 2006. Detection and Isolation of Soil Fungi. Shahid Chamran University Press, Ahwaz, Iran. 358 p. (Translated to Farsi).
- **Moosawi-Jorf, S. A.**, Yazdani, M., and Norouzi, Z. 2014. Common Smut of Corn. Amoozesh va Tarveej Keshavarzi Press. 152 p. (ed. in Farsi).

IX. Publications:

- 1.** Moosawi-Jorf, S. A. 1999. First report of pathogenicity of *Alternaria alternata* on date palm in Iran. Modarres. Agric. Sci. **1**: 117-118 (Short Report).
- 2.** Alizadeh, A., Moosawi-Jorf, S. A., and Banihashemi, Z. 1999. Pathogenicity, histopathology and relative susceptibility of some date palm varieties to three *Fusarium* species. Iran. J. Plant Pathol. **35**: 86-101 (in Farsi) and 35-39 (in English summary).
- 3.** Moosawi-Jorf, S. A., Alizadeh, A., Hayati, J., and Banihashemi, Z. 1999. Investigation on *Fusarium* species associated with date palm in Khuzestan province. Iran. J. Plant Pathol. **35**: 75-85 (in Farsi) and 32-34 (in English summary).
- 4.** Alizadeh, A., Moosawi-Jorf, S. A., A., Malhipour, Mardoukhi, V., and Saeedi, A. 1999. Quantitative survey of teliospore of *Tilletia indica* in wheat field soils of Fars, Kerman and Hormozgan provinces. Pages: 74-91, In: Alizadeh, A., and Saeedi, A. (eds.), (Partial Bunt Disease of Wheat and the Possibility of its Control in Iran: Project Progress Report.) Dep. Cereal Res., Agric. Res. Seed and Plant Improv. Instit., Agric. Res. Educat. Extens. Organization, Ministry of Agriculture, Iran. (in Farsi).
- 5.** Moosawi-Jorf, S. A., Alizadeh, A., Farrokhi-Nejad, R., and Safaei, N. 2000 . Sexual incompatibility system in Iranian isolates of *Tilletia indica*. The Sci. J. Agric. **23**: 83-92 (in Farsi) and 8 (in English summary).
- 6.** Moosawi-Jorf, S. A., and Alizadeh, A. 2000 . *In vitro* screening of wheat cultivars for evaluation of resistance to Karnal bunt. Modarres Agric. Sci. **1**(3) : 85-92 (in Farsi) and 103-104 (in English summary).
- 7.** Moosawi-Jorf, S. A., and Alizadeh, A. 2000. Isolation of teliosporogenous mycelia and teliospore formation of *Tilletia indica* in axenic culture. Iranian J. Plant Pathol. **36**: 297-311 (in Farsi) and 85-89 (in English summary).
- 8.** Alizadeh, A., Moosawi-Jorf, S. A., and Farrokhi-Nejad, R. 2001. Cytology of *Tilletia indica* : teliospore germination to teliospore formation, *in vitro* and *in vivo*. Iranian J. Plant Pathol. **37** : 233-245 (in Farsi) and 73-76 (in English summary).
- 9.** Moosawi-Jorf, S. A., Alizadeh, A., Farrokhi-Nejad, R. 2003 . Histopathology of Karnal Bunt infected wheat. The Sci. J. Agric. **25** : 55-71 (in Farsi and English summary).
- 10.** Moosawi-Jorf, S. A. 2003. First report of *Fusarium* head blight of wheat in Khuzestan province. Iranian J. Plant Pathol. **39**: 232-233 (in Farsi) and 79-80 (in English summary).
- 11.** Azimi, S., Farrokhi-Nejad, R., and Moosawi-Jorf, S. A. 2005. Identification and pathogenicity of *Fusarium* spp. associated with root and crown of faba bean in Khuzestan province. The Sci. J. Agric. **28**: 149-164 (in Farsi and English summary).
- 12.** Azimi, S., Farrokhi-Nejad, R., and Moosawi-Jorf, S. A. 2005. Isolation and pathogenicity of some anastomosis of *Rhizoctonia* associated with faba bean root and crown in Khuzestan province. Iranian J. Plant Pathol. **41**: 329-343 (in Farsi) and 135-139 (in English summary).
- 13.** Moosawi-Jorf, S. A., and Farrokhi-Nejad, R. 2007. Survival of the teliosporogenous mycelia of *Neovossia indica* in infected wheat grains. Plant Pathology Journal, **6** (1): 30-36.
- 14.** Moosawi-Jorf, S. A., Farrokhi-Nejad, R., Azimi, S., and Afarin, S. 2007. Study of *Fusarium* head blight of wheat in Khuzestan province in Iran and reporting of *Fusarium xylaroides* as a new causal agent for disease. Journal of Agronomy, **6** (1): 212-215.
- 15.** Moosawi-Jorf, S. A., Alizadeh, A., Farrokhi-Nejad, R., and Pour-Jam, E. 2007. Ultrastructural studies on penetration sites of *Neovossia indica*, the partial bunt agent of wheat. Pakistan Journal of Biological Sciences (ISI), **10** (13): 2130-2139.
- 16.** Farrokhi-Nejad, R., Cromey, M. G., and Moosawi-Jorf, S. A. 2007. Determination of the anastomosis grouping and virulence of *Rhizortonia* sp. associated with potato tubers

- grown in Lincoln, New Zealand. Pakistan Journal of Biological Sciences (ISI), 10 (21): 3786-3793.
- [17.](#) Izadi, M. B., and Moosawi-Jorf, S. A. 2007. Isolation and Identification of yeast-like and mycelial colonies of *Ustilago scitaminea* using specific primers. Asian Journal of Plant Sciences (ISI), 6(7): 1137-1142.
 - [18.](#) Moosawi-Jorf, S. A., and Izadi, M. B. 2007. *In vitro* detection of yeast-like and mycelial colonies of *Ustilago scitaminea* in tissue-cultured plantlets of sugarcane using polymerase chain reaction (PCR). Journal of Applied Sciences (ISI), 7(23): 3768-3773.
 - [19.](#) Mohammadi, H., Minassian, V., and Moosawi-Jorf, S. A. 2007. Occurrence of narcissus purple blotch caused by *Physoderma narcissi* in Khuzistan. Iranian J. Plant Pathol. **43**: 263-275 (in Farsi) and 82-84 (in English summary).
 - [20.](#) Keshavarz Tohid, V., Minassian, V., and Moosawi-Jorf, S. A. 2007. Factors affecting germination of urediniospores and teliospores of *Uromyces viciae-fabae*. Iranian J. Plant Pathol. **43**: 465-478 (in Farsi) and 155-157 (in English summary).
 - [21.](#) Ilkhan, L., Farrokhinejad, R., Aminae, M. M., and Moosawi-Jorf, S. A. 2009. Investigating resistance of 3 pistachio stocks to *Rhizoctonia solani* AG4. Plant Protection (Scientific Journal of Agriculture), **32**: 57-64 (in Farsi) and 6 (in English summary).
 - [22.](#) Izadi, M., Moosawi-Jorf, S. A., and Minassian, V. 2010. Resistance assessment of sugarcane cultivars to *Ustilago scitaminea* in the field and detection of the fungus in tissue cultures plantlets. Iranian J. Plant Pathol. **45**: 133-142 (in Farsi) and 37-38 (in English summary).
 - [23.](#) Keshavarz Tohid, Moosawi-Jorf, S. A., V., Minassian, V., and Torabi, M. 2010. Morphology and host range of *Uromyces viciae – fabae*, the causal agent of faba rust. Iranian J. Plant Pathol. **46**: 309-317 (in Farsi) and 89-91 (in English summary).
 - [24.](#) Yazdani, M., and Moosawi-Jorf, S. A. 2011. Histopathology of corn infected by *Ustilago maydis* causal agent of common corn smut. Iranian J. Plant Pathol. **47**: 225-235 (in Farsi) and 65-67 (in English summary).
 - [25.](#) Yazdani, M., and Moosawi-Jorf, S. A. 2011. Cytology of *Ustilago maydis*. Plant Protection (Scientific Journal of Agriculture), **34**: 37-45 (in Farsi) and 4 (in English summary).
 - [26.](#) Farashiani, A., Moosawi-Jorf, S. A., and Karimi, M. R. 2012. Study of esca disease of grapevine in Bojnourd. Iranian J. Plant Pathol. **48**: 143-153 (in Farsi) and 47-49 (in English summary).
 - [27.](#) Noruzi, Z., Moosawi-Jorf, S. A., Darvishnia, M., Azadbakht, N., and Fayazi, F. 2012. Investigation of genetic diversity of isolate common smut of corn by using RAPD marker in Lorestan province. Agricultural Science and Technology, **4**: 354-357.
 - [28.](#) Farzin, M., and Moosawi-Jorf, S. A. 2014. Isolation, identification and pathogenicity of fungal agents associated with root and crown olive trees in Khuzestan province. Plant Protection (Scientific Journal of Agriculture), **36**: 81-96 (in Farsi) and 7 (in English summary).
 - [29.](#) Noruzi, Z., Moosawi-Jorf, S. A., Darvishnia, M., and Azadbakht, N. 2014. A Study of the Existence of Various Biotypes of Corn Common Smut Agent *Ustilago Maydis* in Lorestan Province of Iran. Journal of Middle East Applied Science and Technology, **5**: 302-307.
 - [30.](#) Noruzi, Z., Darvishnia, M., Moosawi-Jorf, S. A., Darvishnia, F., Tahmasebi, H., and Kounani, G. 2014. Airborne Fungi and their Effect on Plant Pathogen. Journal of Middle East Applied Science and Technology, **5**: 313-317.
 - [31.](#) Albugobeysh, N., and Moosawi-Jorf, S. A. 2015. New races of *Tilletia laevis* and *T. caries*, the causal agents of wheat common bunt in Khuzestan province, Iran. Journal of Crop Protection, **4** (1):59-68.

- 32.** Kheiri, A., **Moosawi-Jorf, S. A.**, Malhipour, A., Saremi, H., and Nikkhah, M. 2016. Application of chitosan and chitosan nanoparticles for the control of *Fusarium* head blight of wheat (*Fusarium graminearum*) in vitro and greenhouse. *International Journal of Biological Macromolecules*, **93**: 1261–1272.
- 33.** Kheiri, A., **Moosawi-Jorf, S. A.**, Malhipour, A., Saremi, H., and Nikkhah, M. 2017. Synthesis and characterization of chitosan nanoparticles and their effect on *Fusarium* head blight and oxidative activity in wheat. *International Journal of Biological Macromolecules*, **102**: 526–538.
- 34.** Kheiri, A., **Moosawi-Jorf, S. A.**, Malhipour, A. 2019. Infection process and wheat response to *Fusarium* head blight caused by *Fusarium graminearum*. *European Journal of Plant Pathology*, **153**: 489–502. <https://doi.org/10.1007/s10658-018-1576-7>

VIII. Papers Presented in Conferences:

1. **Moosawi-Jorf, S. A.**, Alizadeh, A., Hayati, J., and Banihashemi, Z. 1998. Investigation of *Fusarium* species associated with date palm in Khuzestan province, Iran. In: Proceeding of the 13th Iranian Plant Protection Congress, Vol:2, Plant Diseases and Weeds. p.239, 23-27 August., Karaj , Iran.
2. **Moosawi-Jorf, S. A.**, Alizadeh, A., Hayati, J., and Banihashemi, Z. 1998. Pathogenicity and histopathology of *Fusarium proliferatum* and *F. solani* , new pathogens of date palm in Iran. In: Proceeding of the 13th Iranian Plant Protection Congress, Vol:2, Plant Diseases and Weeds. p.238, 23-27 August., Karaj , Iran.
3. **Moosawi-Jorf, S. A.**, and Alizadeh, A. 2000 . Effect of seed extracts of some resistant and susceptible varieties of wheat on *Tilletia indica* teliospore germination. In: Proceeding of the 14th Iranian Plant Protection Congress, Vol:2, Plant Diseases and Weeds. p.15, 5-8 sept., Isfahan Univ. Tech., Iran.
4. **Moosawi-Jorf, S. A.**, and Alizadeh, A. 2000 . Isolation of teliosporogenous mycelia and teliospore formation of *Tilletia indica* in axenic culture. In: Proceeding of the 14th Iranian Plant Protection Congress, Vol:2, Plant Diseases and Weeds. p.16, 5-8 sept., Isfahan Univ. Tech., Iran.
5. **Moosawi-Jorf, S. A.**, and Alizadeh, A. 2001. Teliosporogenesis of *Tilletia indica*. In: Proceeding of the Asian International Mycological Congress , Karaj, Iran, September 17-20, Rostaniha (Botanical Journal of Iran) **2(supplement)**: 28.
6. **Moosawi-Jorf, S. A.**, Alizadeh, A., Farrokhi-Nejad, R., and Pour-Jam. E. 2002 . Scanning electron microscope studies of penetration sites of *Neovossia indica* in wheat spikes. In: Proceeding of the 15th Iranian Plant Protection Congress, Vol:2, Plant Diseases and Weeds.,(sup.), 7-11 sept., Kermanshah, Iran. 61(in Farsi) and 47 (in English).
7. **Moosawi-Jorf, S. A.**, Alizadeh, A., Farrokhi-Nejad, R., and Pour-Jam. E. 2002 . Development of *Neovossia indica* in infected spikes of wheat. In: Proceeding of the 15th Iranian Plant Protection Congress, Vol:2, Plant Diseases and Weeds.,(sup.), 7-11 sept., Kermanshah, Iran. 60(in Farsi) and 46(in English).
8. Mohammadi, H., Minassian, V., and **Moosawi-Jorf, S. A.** 2004. Occurrence of Narcissus leaf spot (*Stagonospora curtisii*) in Iran. In: Proceeding of the 16th Iranian Plant Protection Congress, Vol:2, Plant Diseases and Weeds., 28 Aug. -1 Sept., Tabriz, Iran. 460(in Farsi and English).
9. Azimi, S., Farrokhi-Nejad, R., and **Moosawi-Jorf, S. A.** 2004. An investigation on *Fusarium spp.* Associated with foot and root of faba bean in Khuzestan province. In: Proceeding of the 16th Iranian Plant Protection Congress, Vol:2, Plant Diseases and Weeds., 28 Aug. -1 Sept., Tabriz, Iran. 204(in Farsi and English).
10. Azimi, S., **Moosawi-Jorf, S. A.**, and Farrokhi-Nejad, R. 2004. Isolation of some groups of *Rhizoctonia* associated with faba bean root and crown in Khuzestan province. In: Proceeding of the 16th Iranian Plant Protection Congress, Vol:2, Plant Diseases and Weeds., 28 Aug. -1 Sept., Tabriz, Iran. 203(in Farsi and English).
11. **Moosawi-Jorf, S. A.**, and Farrokhi-Nejad, R. 2004. Studies on survival of the teliosporogenous mycelia of *Neovossia indica* in infected grains of wheat. In: Proceeding of the 16th Iranian Plant Protection Congress, Vol:2, Plant Diseases and Weeds., 28 Aug. -1 Sept., Tabriz, Iran. 34 (in Farsi and English).

12. **Moosavi-Jorf, S. A.** 2006. Viable Teliosporogenous mycelia of *Neovossia indica* in infected grains of wheat. In: Proceeding of the 8th International Mycological Congress, Cairn, Australia, August, 20-25, Abstracts Book 1: 202.
13. Teymour-Zadeh, M., **Moosawi-Jorf, S. A.**, and Izadi, M. 2006. Effect of temperature and time on germination type and percentage of teliospore germination of *Ustilago scitaminea*. In: Proceeding of the 17th Iranian Plant Protection Congress, Vol: 2, Plant Diseases, 2-5 Sept., Karaj, Iran. 448 (in Farsi and English).
14. Keshavarz-Tohid, V., Minasiyan, V., Torabi, M., and **Moosawi-Jorf, S. A.** 2006. Investigation on viability of urediniospores of *Uromyces viciae-fabae* from Khuzestan under different ambient conditions and effects of temperature and photoperiod on their germination. In: Proceeding of the 17th Iranian Plant Protection Congress, Vol: 2, Plant Diseases, 2-5 Sept., Karaj, Iran. 407 (in Farsi and English).
15. Minassian, V., Mohamadi, H., and **Moosawi-Jorf, S. A.** 2006. Occurrence of purple blotch of narcissus caused by *Physoderma narcissi* in Khuzestan. In: Proceeding of the 17th Iranian Plant Protection Congress, Vol: 2, Plant Diseases, 2-5 Sept., Karaj, Iran. 402 (in Farsi and English).
16. Izadi, M., **Moosawi-Jorf, S. A.**, and Teymour-Zadeh, M. 2006. Infection rate of sugarcane rations through infected water and soil with *Ustilago scitaminea*, the causal agent of sugarcane smut. In: Proceeding of the 17th Iranian Plant Protection Congress, Vol: 2, Plant Diseases, 2-5 Sept., Karaj, Iran. 277 (in Farsi and English).
17. **Moosawi-Jorf, S. A.**, Teymour-Zadeh, M., and Izadi, M. 2006. Sexual incompatibility system in Iranian isolates of *Ustilago scitaminea*, the causal agent of sugarcane smut. In: Proceeding of the 17th Iranian Plant Protection Congress, Vol: 2, Plant Diseases, 2-5 Sept., Karaj, Iran. 256 (in Farsi and English).
18. Teymour-Zadeh, M., **Moosawi-Jorf, S. A.**, and Izadi, M. 2006. Optimal method for isolation and purification of hyphal and yeast-like colonies of *Ustilago scitaminea*, the causal agent of sugarcane smut. In: Proceeding of the 17th Iranian Plant Protection Congress, Vol: 2, Plant Diseases, 2-5 Sept., Karaj, Iran. 255 (in Farsi and English).
19. Keshavarz-Tohid, V., Minasiyan, V., **Moosawi-Jorf, S. A.**, and Torabi, M. 2006. Effects of temperature and photoperiod on teliospore germination in *Uromyces viciae-fabae*. In: Proceeding of the 17th Iranian Plant Protection Congress, Vol: 2, Plant Diseases, 2-5 Sept., Karaj, Iran. 143 (in Farsi and English).
20. Keshavarz-Tohid, V., Minassian, V., **Moosawi-Jorf, S. A.**, Torabi, M., and Azimi, S. 2006. Effects of isolate *Uromyces viciae-fabae* from Khuzestan on common Iranian faba bean' pea and some other hosts. In: Proceeding of the 17th Iranian Plant Protection Congress, Vol: 2, Plant Diseases, 2-5 Sept., Karaj, Iran. 137 (in Farsi and English).
21. Afarin, S., and **Moosawi-Jorf, S. A.** 2006. Pathogenicity of *Fusarium* species isolated from wheat spikes in Khuzestan province, Iran. In: Proceeding of the 17th Iranian Plant Protection Congress, Vol: 2, Plant Diseases, 2-5 Sept., Karaj, Iran. 50 (in Farsi and English).
22. Yari, Z., **Moosawi-Jorf, S. A.**, and Nouroollahi. K. 2008. Identification of physiological races of *Ascochyta rabiei*, the causal agent of Chickpea blight in

- Ilam province. In: Proceeding of the 18th Iranian Plant Protection Congress, Vol: 2, Plant Diseases, 24-28 August, Abu-Ali Sina Univ., Hamedan, Iran. 238 (in Farsi and English).
23. Teimourzadeh, M., Sharifnabi, B., **Moosawi-Jorf, S. A.**, and Hamdi, H. 2008. Genetic diversity of *Ustilago scitaminea* populations using PCR-RFLP and RAPD markers. In: Proceeding of the 18th Iranian Plant Protection Congress, Vol: 2, Plant Diseases, 24-28 August, Abu-Ali Sina Univ., Hamedan, Iran. 672 (in Farsi and English).
 24. Afarin, S., and **Moosawi-Jorf, S. A.** 2008. Study on disease severity of *Fusarium* head blight by three different inoculation methods in Khuzestan province, Iran. In: Proceeding of the 18th Iranian Plant Protection Congress, Vol: 2, Plant Diseases, 24-28 August, Abu-Ali Sina Univ., Hamedan, Iran. 237 (in Farsi and English).
 25. Alboghobeish, N., **Moosawi-Jorf, S. A.**, and Mardoukhi, V. 2008. Virulence determination and identification of pathotypes of wheat common bunt by *Tilletia laevis* and *T. tritici* in Khuzestan province, Iran. In: Proceeding of the 18th Iranian Plant Protection Congress, Vol: 2, Plant Diseases, 24-28 August, Abu-Ali Sina Univ., Hamedan, Iran. 219 (in Farsi and English).
 26. Alboghobeish, N., **Moosawi-Jorf, S. A.**, and Baiemani, M. 2008. Study of geographical distribution of *Tilletia* species, the causal agents of common bunt in Khuzestan province, Iran. In: Proceeding of the 18th Iranian Plant Protection Congress, Vol: 2, Plant Diseases, 24-28 August, Abu-Ali Sina Univ., Hamedan, Iran. 218 (in Farsi and English).
 27. Keshavarz tohid, V., Minassian, V., **Moosavi Jorf, S. A.** 2010. Morphological and Host Range Studies of *Uromyces Viciae-fabae* as a Heterogeneous Species. 13th Mediterranean Phytopathological Union. Rome, Italy.
 28. Noruzi, Z., **Moosawi-Jorf, S. A.**, Darvishnia, M., Azadbakht, N., and Fayazi, F. 2012. Investigation of genetic diversity of isolate common smut of corn by using RAPD marker in Lorestan province, Iran. In: Proceeding of the 18th Iranian Plant Protection Congress, Vol: 2, Plant Diseases, 26-29 August, Shiraz Univ., Shiraz, Iran. 40 (in Farsi and English).
 29. Kheiri, A., **Moosawi-Jorf, S. A.**, Malhipour, A., Saremi, H., and Nikkhah, M. 2015. Effect of chitosan nanoparticles and chitosan/zinc oxide nanoparticles on disease severity of *Fusarium* head blight. In: Proceeding of the 2nd Iranian Mycological Congress, 23-25 August, Tehran Univ., Karaj, Iran. 76 (in Farsi and English).
 - 30.

Not Up-to-date

IX. Research Students Supervised:

XI. Research Students Co-Supervised: