



## CURRICULUM VITAE

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### Academic qualifications

**PhD:** in Plant Pathology, Biological Control of Plant Diseases, University of Tehran.  
Sep 2009-Mar 2014

**MSc:** in Plant Pathology, University of Tehran. Sep 2004-Dec 2006

**BSc:** in Agricultural Engineering, Plant Pathology, University of Tehran. Sep 1999-  
Jul 2003

**Research interests:** Plant Pathology in Oilseeds Crops and Ornamental Plants, Management and Control of Plant Diseases, Biological control of using beneficial microbes including fungi and bacteria.

### Selected research projects:

- Studying *Fusarium* wilt of Safflower in Iran and the reaction of Safflower adaptability lines and cultivars against the dominant species
- Effect of seed coating with nutrients, insecticides and pesticides on agronomic characteristics of rapeseed and sesame

- Application of magnetic field for improving Canola productivity and health, in the presence of *Phoma lingam* the causal agent of blackleg disease

- Molecular identification of *Beauveria bassiana* (Hyphomycetes) isolates collected from different regions of Iran and evaluation (screening) of their efficiency

### **Publications:**

Nazerian E<sup>\*</sup>, **Peighami Ashnaei S. 2021.** Occurrence of *Sclerotium rolfsii* affecting arum lily in Asia. **Journal of Plant Pathology, Disease Note, Springer Publication.** <https://doi.org/10.1007/s42161-021-00744-1>.

Mirabolfathy M., Hosseinian L., **Peighami Ashnaei S<sup>\*</sup>. 2021.** Fungal communities of grapevine decline in the main grape-growing regions of Iran. **Indian Phytopathology, Springer Publication.** <https://doi.org/10.1007/s42360-020-00314-y>

**Peighami Ashnaei S<sup>\*</sup>. 2019.** Plant growth promoting rhizobacteria and *Rhizophagus irregularis*: biocontrol of rice blast in wild type and mycorrhiza-defective mutant. **Journal of Plant Protection Research** 59(3), 362-375.

Fischer M<sup>\*</sup>, **Peighami Ashnaei S. 2019.** Grapevine, esca complex, and environment: the disease triangle. **Phytopathologia Mediterranea** 58(1), 17-37.

Nazerian E<sup>\*</sup>, Mirabolfathy M., **Peighami Ashnaei S.**, Beiki F. **2019.** Characterization of *Botryosphaeria dothidea* as new pathogen of kiwifruit in Iran. **Journal of Plant Protection Research.** 59(1), 134-137.

**Peighami Ashnaei S<sup>\*</sup>. 2018.** Beneficial effect of plant growth promoting bacteria isolated from rice rhizosphere. **International Journal of Applied Microbiology and Biotechnology Research.** 6, 107-114.

Mirabolfathy M<sup>\*</sup>, Javadi A., **Peighami Ashnaei S. 2018.** The occurrence of *Anthostoma decipiens*, the causal agent of “*Carpinus betulus* decline”, in northern Iran. **British Society of Plant Pathology (BSPP), New Disease Reports** 37, 20.

**Peighami Ashnaei S.**, Behboudi K<sup>\*</sup>, Ahmadzadeh M. **2014.** Interactions

between *Glomus intraradices* and beneficial bacterial inoculants and their effects on the systemic induction of defence-related genes in rice leaves against blast disease. **Iranian Journal of Plant Pathology** 50 (1): 19-36. (in Persian with English abstract)

**Peighami Ashnaei S\***, Sharifi-Tehrani A., Ahmadzadeh M., Behboudi K. **2009**. Interaction of different media on production and biocontrol efficacy of *Pseudomonas fluorescens* P-35 and *Bacillus subtilis* B-3 against grey mould of apple. **Journal of Plant Pathology** 91(1): 65-70.

**Peighami Ashnaei S\***, Sharifi-Tehrani A., Ahmadzadeh M., Behboudi K. **2009**. Selection of bacterial antagonists for the control of *Botrytis cinerea* in apple (*Malus domestica*) and in comparison with application of Thiabendazole. **Communications in Agricultural and Applied Biological Sciences** 74(3): 739-743.

**Peighami Ashnaei S\***, Sharifi-Tehrani A., Ahmadzadeh M., Behboudi K. **2009**. Effect of essential oils in control of plant diseases. **Communications in Agricultural and Applied Biological Sciences** 74(3): 843-847.

**Peighami Ashnaei S\***, Sharifi-Tehrani A., Ahmadzadeh M., Behboudi K. **2009**. Screening of *Pseudomonas* and *Bacillus* isolates for potential biocontrol of the damping-off of bean (*Phaseolus coccineus*). **Communications in Agricultural and Applied Biological Sciences** 74(3): 745-748.

**Peighami Ashnaei S\***, Sharifi-Tehrani A., Ahmadzadeh M., Behboudi K. **2008**. Production of *Pseudomonas fluorescens* P-5 and P-6 for bean damping-off disease. **International Journal of Agriculture & Biology** 10(5): 573-576.

**Peighami Ashnaei S\***, Sharifi-Tehrani A., Ahmadzadeh M., Behboudi K. **2008**. Interaction of media on production and biocontrol efficacy of *Pseudomonas fluorescens* and *Bacillus subtilis* against grey mould of apple. **Communications in Agricultural and Applied Biological Sciences** 74(3): 745-748.

**Peighami Ashnaei S.**, Farzaneh M., Hadian J\*, Sharifi-Tehrani A., Ghorbanpoor M. **2007**. Evaluation of antifungal activity of some plant essential oils against the grey mold of apple caused by *Botrytis cinerea*. **Agricultural Research: Water, Soil and Plant in Agriculture** 7(3): 1-10. (in Persian with English abstract)

**Peighami Ashnaei S\***, Sharifi-Tehrani A., Ahmadzadeh M., Behboudi K. **2007**. Effect of carbon and nitrogen sources on growth and biological efficacy of *Pseudomonas fluorescens* and *Bacillus subtilis* against *Rhizoctonia solani*, the causal agent of bean damping-off. **Communications in Agricultural and Applied Biological Sciences** 72(4): 951-956.

### **Conference Attended:**

The 4<sup>th</sup> Symposium on Nanotechnology in Agriculture, 4-5 July, 2017, Karaj, Iran

The Symposium on Biological Control in Agriculture and Natural Resources, 26-27 August, 2013, Karaj, Iran.

The 61<sup>th</sup> International Symposium on Crop Protection, 19 May, 2009, Ghent University, Belgium.

The 18<sup>th</sup> Iranian Symposium on Plant Protection, 2008, 24-27 August, Hamedan, Iran.

The 59<sup>th</sup> International Symposium on Crop Protection, 22 May, 2007, Ghent University, Belgium.

The 5<sup>th</sup> National Biotechnology Symposium of Iran, 2007, 24-26 November, Tehran, Iran.

The 17<sup>th</sup> Iranian Symposium on Plant Protection, 2006, 2-5 September, Tehran, Iran.

### **Books:**

Afshari Azad H., Keyhanian A.A., Mosavi K., Tanha Moafi Z., Shar Aein N., Majd Taheri Z., **Peighami Ashnaei S. 2021. Soybean Handbook (Plant Protection)**. Iranian Research Institute of Plant Protection, Agricultural Research, Education & Extension Organization, Ministry of Jihad-e-Agriculture. (in Persian)

**Peighami Ashnaei S., Afshari Azad H. 2021. Review of Research on Diseases of Oilseeds in Iran**. Iranian Research Institute of Plant Protection, Agricultural Research, Education & Extension Organization, Ministry of Jihad-e-Agriculture. (in Persian)

**Peighami Ashnaei S. 2021. Technical Management of Safflower Diseases**. Iranian Research Institute of Plant Protection, Agricultural Research, Education & Extension Organization, Ministry of Jihad-e-Agriculture. (in Persian)

Mirabolfathy M., **Peighami Ashnaei S., Karimi Shahri MR., Hossinian L., Shekari Esfahlan A. 2019. Managing Grapevine Trunk Diseases**. Iranian Research Institute of Plant Protection, Agricultural Research, Education & Extension Organization, Ministry of Jihad-e-Agriculture. (in Persian with English abstract)

**Peighami Ashnaei S. 2010. Two educational books in Plant Pathology**, including Comprehensive Description of Plant Diseases and Entrance Tests of 10-year in Master of Plant Pathology. Arshad Press, Tehran, Iran. (in Persian)

**Software and E-publications:**

**Peighami Ashnaei S\*.,** Keyhanian A.A., Bagherani N. Rapeseed Application (Diseases, Pests, Weeds), 2022.

**Peighami Ashnaei S. 2021. Poster: “Blackleg of Rapeseed”**

**Peighami Ashnaei S. 2021. Poster: “Sclerotinia Stem Rot of Rapeseed”**

**Peighami Ashnaei S. 2021. Poster: “Alternaria Leaf Spot and Blight of Rapeseed”**

**Peighami Ashnaei S. 2021. Poster: “Rhizoctonia root and Crown Rot of Rapeseed”**

**Peighami Ashnaei S. 2021. Poster: “Downy Mildew of Rapeseed”**

**Peighami Ashnaei S. 2021. Poster: “Powdery Mildew of Rapeseed”**