

Research Interests	<p>Detection and investigation of new-born viruses</p> <p>Production of recombinant antibodies</p> <p>Investigation of molecular aspects of biology of viruses</p> <p>Drug production using plant viruses</p>
Academic Education	<p>(2010-2014)</p> <p>PhD in Plant Virology, Ferdowsi University of Mashhad and Univesity di Bologna Italy.</p> <p>(2004-2007)</p> <p>M.Sc in Plant Virology, Shahid Bahonar University of Kerman, Iran.</p> <p>(2000-2004)</p> <p>B.Sc in Plant protection, Bahonar University of Kerman, Iran.</p>
Work Experience	<p>(2014- Present)</p> <p>Associate Professor at Department of Plant protection, Faculty of Agriculture, University of Birjand, Iran</p> <p>(July2019-2022)</p> <p>Director of office of gifted students at University of Birjand.</p>
Research experience	<p>Thesis of 15 master students were supervised in molecular virology field.</p> <p>10 Scientific proposal were applied and conducted at the university of Birjand in field of Virology</p> <p>One scientific proposal was applied and accepted at the University of braunschweig (Germany) Entitled Investigation of VPg coding region role in producing resistance against <i>Cereal viruses</i></p> <p>One scientific project was applied and accepted in collaboration with University of Montpellier (France) entitled Detection of some new Geminiviruses in Iranian fields by using deep sequencing method in collaboration with CIRAD (France)</p> <p>One scientific project was applied and accepted in collaboration with Agropolis and CIRAD (France) entiteled: Investigation of saffron Virom (2024)</p>
Teaching experience	<p>Virology for B.Sc students (10 years).</p> <p>Advanced Virology for M.Sc students (10years).</p> <p>Viruses and Prokaryots for B.Sc students (10years).</p> <p>Molecular methods in virology and plant pathology for M.Sc students (10years).</p> <p>Nematology for M.Sc students (10 years)</p> <p>Bioinformatics for Ph.D students</p> <p>Genetic of plant pathogenicity for Ph.D students</p>

Honors	<ul style="list-style-type: none"> -Best student of Mater degree in Plant pathology at Shahid Bahonar University (2007) -Best student of Ph.D of virology at Ferdowsi University of Mashhad (2014). -Honor of six months fellowship as a visiting student at the University of Bologna (Italy) from the Ministry of science, research and technology of Iran (2013). -Best grade of MSc and Ph.D thesis.
Honors	<ul style="list-style-type: none"> -Honor of two months fellowship as a visiting researcher at the University of Montpellier (France) from the CIRAD, France (2020). - Honor of one month fellowship as a visiting researcher at the University of Montpellier (France) from MUSE, France(2021). -Honor of two month fellowship as a visiting researcher at the CIRAD (France) from Agropolis, France (2024).
Professional skills	<ul style="list-style-type: none"> -Cell culture, ELISA Test, RT- PCR, PCR, Transcription, Quantities Real Time PCR, RNA and DNA -extraction, purification and characterisation, protein Isolation, electron microscopy, Southern blot, Western blot, electrophoresis, cloning, next generation sequencing, transgenic, -Software skills: Word, Excel, PowerPoint, Statistical methods, R -Bioinformatic software such as NTI vector, Mega, Rdp etc.
Languages	<ul style="list-style-type: none"> -English: IELTS Band score 7 (Listening 7, Speaking 7.5, Writing 6, Reading7.5) -Italian (Elementary proficiency) -French (A2 level)
Some Journal Publication	<ol style="list-style-type: none"> 1.Hosseini A, Massumi H, Heydarnezhad J, Hosseinipour A, Varsani Arvind. 2011. characterization of <i>Potato virus Y</i> isolates from Iran. virus genes. 42(1), pp 128–140. 2.Hosseini A, Jafarpour B, Mahdikhany E, Mehrrvar M, Zaki aghl M, Autonel R, Ratti. 2013. Occurance of soilborn cereal virus and molecular characterization of the coat protein gene of <i>Barley yellow mosaic virus</i> isolates from Iran. Journal of plant pathology 96 (2). 391-396 3.Hosseini A, Jafarpour B, Mahdikhani, E, Mehrvar M, Zaki Aghl M. 2013. Characterization of <i>Barley mild mosaic virus</i> in some provinces of Iran by serological and molecular methods, Plant protection Journal, 28 (4): 32-45. (In Persian) 4.Salary K, Hosseini A, Heydar Nezhad, J. 2014. Investigation of weed hosts of <i>Tomato leaf curl virus</i> from south of Kerman province by molecular methods. Plant Protection Journal 29 (3). 427-436 (In persian) 5.Gerami M, Mehrvar M, Hosseini S.A. 2015. Detection and Molecular characterization of <i>Beet yellows virus</i> in West Azarbayjan, Kermanshah and Hamedan. Plant Protection Journal. 28 (4). 537-378 (In Persian) 6. Fuladvamd S, Hosseini S.A. 2015. Fungi and Fungi-like organisem as plant viruses vecor. Plant pathology science Journal 4 (2). (In persian) 7.Hosseini S.A, Jahani M, Salary K, Mehrvar M. 2017. Characterization of <i>Barley yellow mosaic virus</i> pathotype by biological and molecular methods in Iran. Jordan Journal of Agricultural Sciences, 13, (1) 8.Hosseini S.A, Salari K. 2017. Detection and molecular characterisation of <i>Potato virus S</i> of weed reservoirs in Iran. Archives of Phytopathology and Plant Protection. DOI: 0.1080/03235408.2017.1388034. 9.Farokhvand, S. Hosseini, S A. Aminifard H. 2017. Detection and phylogenetic analysis of saffron and tomato isolates of <i>Tomato spotted wilt virus</i> from South Khorasan. Iranian Journal of Plant Protection Science. 48(2): 217- 227 10. Heydari, M Hosseini S.A and Douri R. 2017. Detection and Phylogenetic Analysis of <i>Turnip mosaic virus</i> on Saffron (<i>Crocus sativus</i>) in Iran. Applied research in plant protection.7(1): 17-28

11. Farokhvan S, Hosseini S.A, Salari K and Amini Fard M.H. 2018. Detection and phylogenetic analysis of saffron and tomato isolates of *Tomato spotted wilt virus* from South Khorasan. Iranian Journal of Plant Protection Science. 48 (2). 217-227

12. Hosseini S.A. Zamani G. R, Yaghub Zadeh M. Mehdi K. 2018. Effects of *Cucumber Mosaic Virus* infection and drought tolerance of tomato plants under greenhouse conditions: Preliminary results. Journal of Berry Research 8(3):1-8 .

13. Farokhvand, S. Hosseini, S. A. Aminifard H. 2018. Serological and Molecular Detections of *Tomato spotted wilt virus* on *Goldbachia laevigata* in Saffron Fields. Journal of Saffron research 5(2): 91-200 (In persian).

14. Hosseini A and Salary K. 2018. Phylogenetic Study of Two Iranian Isolates of *Wheat streak mosaic virus* in NIA- Pro Proteinase Coding Region. Iranian Journal of applied research in plant protection. 6(3): 151-161

15. Heydari, S. Hosseini, S. A. Dorri, R. 2019. Serological and Molecular Detections of *Turnip Mosaic Virus* of some weed reservoir in Saffron Fields. Journal of Saffron research 6(2): 1-15 (In persian)

16. Beheshti, M. Jahani, M. Aminifard M.H, Hosseini S. A. 2020. Essential oils to control *Botrytis cinerea* in vitro and in vivo on grape fruits. Journal of postharvest and horticulture research. Volume 3. 10.22077/jhpr.2019.2644.1079.

17- Jahani M, Beheshti M, Aminifard M. H. Hosseini S.A. 2020. Effects of Essential Oils to Control *Penicillium* Sp. In In Vitro and in In Vivo on Grapevine (*Vitis Vinifera* L.) Fruit. International Journal of Fruit Science. <https://doi.org/10.1080/15538362.2020.1769526>.

18- Hosseini, A. Khayyat M. 2021. The Leaf Photochemistry Status Of ‘Yusef Khani’ And ‘Malas-e-Yazdi’ Pomegranate Varieties Under Salinity Stress. Journal of postharvest and horticulture research.

19- Hosseini S.A, Ghaemi M. Khayyat M. 2021, Responses of pepper to Alfalfa mosaic virus and manganese nutrition under greenhouse conditions: preliminary results. JOURNAL OF HORTICULTURE AND POSTHARVEST RESEARCH, 4, 67-80.

20- Sazvar E, Jahani M, Aminifard M.H, Hosseini S.A. 2022. In Vitro and In Vivo Control of *Alternaria alternata* in Barberry (*Berberis vulgaris*) by Some Essential Oils. Erwerbs-Obstbau 64:413–423.

21- Hresabadi N, Hosseini, S.A. Aminifard, M.H. 2023. Investigation of Tomato Spotted Wilt Virus and Fe Interaction on some Physiological Characteristics of Tomato in Greenhouse Conditions, Journal of Horticultural Science, 37(1), p. 205-217.

**Some conference
Publication**

1. Hosseini A, Shahidi G.H. Aghighi S. 2004. Biosensors are powerful tools to detection of biological molecules. 4th Biotechnology congress of Iran. 27-29 Aug. High technology center, Kerman, Iran.

2. Hosseini A, Massumi H, Hosseinipour A., Heydarnezhad J, Shabani M. 2008. Comparison of protease genes of 14 isolates of PVY. 18th Plant Protection congress, 25-27 Aug., Boali-Sina University, hamedan, Iran.

3. Hosseini A, Massumi H, Hosseinipour A., Heydarnezhad J., Shabani M. Detection and investigation of PVY strains with the help of specific primers. 2008. 5th congress of Biotechnology. Tehran, Iran

4. Hosseini A, Massumi H, Hosseinipour A, Heydarnezhad J, Shabani M, Comparison of coat protein gene of some PVY isolates of Iran. 5th congress of Biotechnology. Tehran, Iran.

5. Hosseini A, Massumi H, Shabani M. 2007. Detection and investigation of N, C, NTN, O strains of PVY by molecular and serological methods in Fars and Kerman provinces. 17th Plant protection congress, 2-4 sep. University of Tehran, Tehran, Iran.

6. Shamsadini F, Massumi H, Hosseini A, Hosseinipour A, Heydarnezhad J. 2008. Introduction of some new hosts of PVY from Kerman province. 18th Plant Protection congress-25-27 Aug. Boali-Sina University, hamedan, Iran.

7. Shabani m, Massumi H, Heydarnezhad J, Poamini N, Hosseini A, Salary K. 2009. Detection of plant viruses on potato from Esfahan and Fars. 3th Virology Congress, 21 Jan. Tehran, Iran.

8. Hosseini A, Mehrvar M. Molecular characterization of *Barley yellow mosaic virus* from Iran. 2014. 21th Plant pathology Congress. Oromie, Iran

9. Hosseini A. Mehrvar M. 2014. Investigation of Furoviruses in Iran. 2014. 21th Plant pathology Congress. Oromie, Iran.

10. Hosseini. A. 2015. Design of Small hairpin RNA (shRNA) to create resistance Against *Tomato mosaic virus*. 1st International and 9th national congress of Biotechnology, Tehran, Iran.

11. Hosseini A. 2015. Prediction of Coat protein epitopes in *Potato leaf roll virus* (PLRV). 1st International and 9th national congress of Biotechnology, Tehran, Iran.

	<p>12. Salary K, Hosseini A. 2017. Detection of two causing mosaic in maize fields of Southern Regions of kerman. 1st International and 2nd national Congress of Agriculture, Environmental and Food Security. 2017. University of Jiroft, Jiroft, Iran.</p> <p>13. Salary K, Hosseini A. 2017. Interaction of Ubiquitin and plant viruses. 1st International and 2nd national Congress of Agriculture, Environmental and Food Security. 2017. University of Jiroft, Jiroft, Iran.</p> <p>14. Abtahi F, Hatami M, Norani L, Hosseini S.A. 2018. Detection of <i>Celery mosaic virus</i> by serological and molecular methods. 23th plant protection congress, Gorgan Iran.</p> <p>15. Alashi R, Hosseini S.A. Rastgou M. Romi, V. 2019. First report of occurrence of yellowing phytoplasma in grapevine in Oromie. 4th International congress of developing agriculture, Natural resources, Environment and Tourism of Iran. 14-16 August. Tabriz.</p> <p>16. Alikhani M, Hosseini S.A. 2018. Detection and molecular investigation of Potyvirus in vegetables field.</p> <p>16. Aminifard M.H Molazadeh Bagh Siah M , Bayat H , Hosseini S.A. Investigating the effect of seaweed and chicken manure on the growth and biochemical traits of the medicinal plant garlic (<i>Allium sativum</i> L.). 2023, International conference on biology on medicinal plants. Ghom, Iran</p>
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