Curriculum Vitae

NAME & SURNAME: Saeid Tabein

DATE OF BIRTH: 09/06/1986

ADDRESS, SUBURB, STATE, POSTAL CODE: Department Plant Protection, Faculty of Agriculture, Shahid Chamran University of Ahvaz, Ahvaz, Iran & Postal code: 61357-43311

PHONE/MOBILE NUMBER: +989183897046

E-MAIL ADDRESS: S.Tabein@scu.ac.ir/Tabein.saeid@gmail.com

PROFESSIONAL PROFILE:

Assistant Professor of Plant Pathology (Virology) in Shahid Chamran University (SCU) of Ahvaz, Iran

- Researchgate Profile: https://www.researchgate.net/profile/Saeid-Tabein
- Google Scholar Page: https://scholar.google.com/citations?user=j0URojcAAAAJ&hl=en
- Scopus ID: 55240155900
- ORCHID ID: 0000-0001-8885-8092

EDUCATION BACKGROUND:

Ph.D.: Faculty of Plant Protection, School of Agriculture, Shiraz University, Shiraz, Iran

Thesis title:

Natural and Pathogen-derived Resistance to Two Tomato-infecting Begomoviruses and Tomato Spotted Wilt Virus

M.Sc.: Faculty of Plant Protection, School of Agriculture, Shiraz University, Shiraz, Iran

Dissertation title:

Identification of Tomato (yellow) leaf curl virus replication-associated protein binding domains within betasatellite DNA of Cotton leaf curl virus

B.S.: Faculty of Plant Protection, School of Agriculture, Razi University, Kermanshah, Iran

TEACHING AND TRAINING EXPERINCE:

- Plant Virology
- New Research Methods in Plant Pathology
- Genetic of Pathogenicity of Plant Pathogens
- Important diseases of crop fields
- Bioinformatics

HONOURS AND AWARDS:

Awards

- Top student of B.Sc. period in Plant Protection Department, Razi University (2007-2008)
- Top student of M.Sc. period in Plant Pathology Department of Shiraz University (2009-2012)
- Membership in the Brilliants Talented office, Shiraz University (2011-2012)

Scholarships

- Sabbatical from Iranian ministry of science for young PhD students. Since November 2015 to August 2016, at Italian National Council of Research (CNR), Torino, Italy.
- Postdoctoral position, Shiraz University, Plant Virology Research Center. Since May 2017 to May 2018.

INTERESTS AND RESEARCH FIELDS:

- Plant Virology
- Molecular Plant Pathology

RESEARCH ACTIVITIES:

PUBLICATIONS:

1. Evaluation of inhibitory effects of extracts of plants from western Iran against *Phytophthora*. 2012. Australian Journal of Crop Science 6:255-260.
2. Whitefly-mediated transmission of cotton leaf curl Multan betasatellite, a direct evidence for betasatellite encapsidation in coat protein of helper begomoviruses. 2013. Archives of Virology 158: 19-26.
3. Beet curly top viruses in Iran: determination of factors involved in their genetic diversity and frequency. 2015. Iranian Journal of Plant Pathology 51:493-504.
4. Pyramiding Ty-1/Ty-3 and Ty-2 in tomato hybrids dramatically inhibits symptom expression and accumulation of tomato yellow leaf curl disease inducing viruses. 2017. Archives of Phytopathology and Plant Protection 50: 213- 227.
5. Seed Transmission of Beet Curly Top Virus and Beet Curly Top Iran Virus in a Local Cultivar of Petunia in Iran. 2017. Viruses 9: 299- 311.
6. Bacterial expression of Beet curly top Iran virus coat protein in *Escherichia coli*. 2019. Plant Protection (Scientific Journal of Agriculture) 42: 73-85.
7. The Induction of an Effective dsRNA-Mediated Resistance Against Tomato Spotted Wilt

Virus by Exogenous Application of Double-Stranded RNA Largely Depends on the Selection of the Viral RNA Target Region 2020. Frontiers in Plant Science 11:533338. doi: 10.3389/fpls.2020.533338.

8. Identification of Cotton leaf curl Multan virus, a new threating Begomovirus in Iran. 2020. Iranian Journal of Plant Pathology 56: 217-218.
9. Into an interference between Beet curly top Iran virus and Beet curly top virus; A key role of Rep/nonanucleotide motif interactions. 2021. Virus Disease: Under Revision.
10. Intracellular Interactions of Geminiviruses in Host Plants. 2019. Plant Pathology Science 8: 86-101.
11. Role of betasatellites in interaction of viruses with plants. 2020. Plant Pathology Science 9: 78-90.
12. Defective and Satellite DNAs of Plant DNA Viruses. 2014. Plant Pathology Science 3:21-32.
13. Evaluation of antiviral effects of plant extracts against *Tobacco mosaic virus*. 2013. Plant Protection Journal 6:353-363.
14. 14- No evidence of Tomato yellow leaf curl Sardinia virus seed transmission in tomato. 2021. Cells 10: 1673, doi.org/10.3390/cells10071673.

CONFERENCE PRESENTATIONS:

1. Potential of Puncture vineó (*Tribulus terrestris*) in the control of important phytopathogenic fungi as in vitro.2009. *19th Iranian Plant Protection Congress*.
2. Potential of Cocklebur (*Xanthium strumarium*) in the Control of Phytopathogenic Fungi.2010. 16th Asian agricultural symposium, Thailand.
3. Evaluation of Inhibitory Effects of Some Iranian Plants Against Phtophthora Dreschleri. 2011. *59th International Congress GA*, Antalia, Turkey (Planta Medica Journal).
4. Incidence of Beet severe curly top virus (BSCTV) and Beet curly top Iran virus (BCTIV) in sugar beet fields of Kermanshah province.2011. 1th Iran Plant Virologist Symposium.
5. Cloning of coat protein gene of Beet curly top Iran virus in expression vector pQE30.2012. *12th Iranian Genetic Congress*.
6. Expression and purification of Replication associated protein (Rep) of Tomato leaf curl virus in Escherichia coli.2012. *12th Iranian Genetic Congress*.
7. Whitefly-mediated transmission of cotton leaf curl Multan betasatellite, a direct evidence for betasatellite encapsidation in coat protein of helper begomoviruses.2012. *20th Iranian Plant Protection Congress*.
8. Non-specific binding of Tomato leaf curl virus replication-associated protein within Cotton leaf curl Multan betasatellite.2012. *20th Iranian Plant Protection Congress*.
9. Distribution of Tomato yellow leaf curl virus in tomato fields of Fars, Boushehr and Kohguiluyeh- Boyerahmad provinces. 2012. *20th Iranian Plant Protection Congress*.
10. Expression of Beet curly top Iran virus coat protein in *Escherichia coli*. 2012. *20th Iranian Plant Protection Congress*.
11. Phylogenetic analysis of coat protein gene of Khorasan-Razavi, Fars and Kohguiluyeh-Boyerahmad isolates of Beet curly top Iran virus in different hosts. 2012. *20th Iranian Plant Protection Congress*.
12. Frequency of Beet curly top Iran virus and Beet severe curly top virus in sugar beet fields of Khorasan-Razavi province.2012. *20th Iranian Plant Protection Congress*.
13. Induction of pathogen related proteins and changing in total protein expression of sugar beet (Beta vulgaris) in response to pathogens and drought stress.2012. *20th Iranian Plant Protection Congress*.
14. The role of βC1 gene of Cotton leaf curl Multan betasatellite in the induction of symptoms by the non-cognate helper begomoviruses. 2014. *1th International & 13th Iranian Genetic Congress*.

15. Genome characteristics of a new beet curly top Iran virus strain from Iran. 2014. *1th International & 13th Iranian Genetic Congress*.
16. Seed transmission of beet curly top viruses in petunia. 2015. Australian Plant Viruses workshop.
17. Demonstration of specific binding of replication-associated protein of Tomato leaf curl virus-Australia to intergenic region of its genome by a non-radioactive method. 2015. *1th International & 9th Iranian Biotechnology Congress*.
18. Induction of resistance against *Tomato spotted wilt virus* through RNAi-based vaccination. 2016. *22th Iranian Plant Protection Congress*.
19. Expression of an Iranian isolate of Potato leaf roll virus coat protein in *Escherichia coli*. 2016. *22th Iranian Plant Protection Congress*.
20. Effects of salicylic acid and jasmonic acid on defensive enzymes, symptom induction and growth factors of tomato plants in response to Abadeh isolate of *Tomato yellow leaf curl virus*. 2016. *22th Iranian Plant Protection Congress*.
21. Screening for resistance to tomato yellow leaf curl disease-inducing viruses in different tomato varieties. 2016. 8th International Geminivirus Symposium, New Delhi, India.
22. Effectiveness of two RNAi approaches in resistance to Tomato yellow leaf curl virus. 2017. 7th Iranian Virology Congress, Tehran, Iran.
23. Seed transmission of *Tomato yellow leaf curl Sardinia virus* in tomato is associated with decrease of viral DNA accumulation in seed embryos. 2019. 1th Iranian Plant Pathology Congress, Tehran, Iran.
24. Homology modeling and docking analysis of Rep encoded by beet curly top viruses with their nonanucleotide motifs. 2019. 3th International Biotechnology Congress of Iran, Tehran, Iran.
25. The Choice of Homology in the Tomato Spotted Wilt Virus Genome is Crucial to Induce Resistance Using Exogenously Appled Double-Stranded RNAs. 2019. 3RD iPLANTA Conference, Lisbon, Portugal.
26. Molecular identification of a new isolate of Hibiscus chlorotic ringspot virus in Khuzestan province, southwestern Iran. 2020. 4th International Genetic Congress of Iran, Tehran, Iran.

LANGUAGES:

PERSIAN: Native
ENGLISH: Good