

Curriculum Vitae

Name and family name: Ivana Stanković (maiden name Djekić)
Birth date and place: 29th December 1981, Požega, Serbia
Nationality: Serbian
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E-mail: ivana.stankovic@agrif.bg.ac.rs
Title: Full Professor of Plant Pathology
Year of Acquisition: 2020
Institution: Institute of Phytomedicine, Department of Phytopathology, University of Belgrade-Faculty of Agriculture
Address: Nemanjina 6, 11080 Belgrade, Serbia
Languages: English (fluently)
Education:
2010 PhD, Institute of Phytomedicine, Department of Phytopathology, Faculty of Agriculture, University of Belgrade, Serbia «Presence, distribution and characterization of tobacco viruses in Serbia»
2005 BSc, Institute of Phytomedicine, Department of Phytopathology Faculty of Agriculture, University of Belgrade, Serbia «*Tospovirus* of ornamentals»

Professional career:
2020-current Full Professor of Plant Pathology, Institute of Phytomedicine, Department of Phytopathology, University of Belgrade-Faculty of Agriculture
2016-2020 Associate Professor of Plant Pathology, Institute of Phytomedicine, Department of Phytopathology, University of Belgrade-Faculty of Agriculture
2011 Assistant Professor of Plant Pathology, Institute of Phytomedicine, Department of Phytopathology, University of Belgrade-Faculty of Agriculture
2010 Research and teaching assistant, Institute of Phytomedicine, Department of Phytopathology, University of Belgrade-Faculty of Agriculture

Teaching Areas:
Plant Virology; Plant Pathogenic Viruses, Bacteria and Phytoplasmas; Plant Quarantine; Plant Disease Diagnosis; Identification of Plant Pathogens; Viruses of Ornamental Plants; Bioinformatics in Plant Virus Research; Methods in Plant Virus Research; Population Genetic Analysis of Plant Viruses; Characterization of Plant Viruses for students of Phytomedicine, Fruit and Viticulture Science, University of Belgrade-Faculty of Agriculture

Research Areas:
Virus diseases of vegetables, field crops and ornamentals; Quarantine viruses of vegetables and ornamentals; Tobacco

viruses; Cucurbit viruses; Tomato viruses; *Allium* viruses; Grapevine viruses; Tomato spotted wilt orthospovirus, iris yellow spot orthospovirus and other viruses belonging to the *Orthospovirus* genus; Seed transmission of plant viruses; Diagnosis of virus diseases; Detection and identification of plant viruses; Serology; Molecular characterization of plant viruses.

Scholarship:

2006-2010 Scholarship for PhD studies from the Ministry of Science and Environmental Protection

Participation in research projects:

2019-2020 Biodiversity, characterization and genetic structure of viruses infecting tomato in Republic of Srpska. Ministry of Science and Technological Development, Republic of Srpska, Bosnia and Herzegovina (participant)

2018-2019 Application of Next generation sequencing in detection of tomato viruses in Serbia and Slovenia. Ministry of Science, Technological Development and Innovation, Republic of Serbia, bilateral research projects with Republic of Slovenia (coordinator)

2015-2019 Application of next generation sequencing for the study and diagnosis of plant viral diseases in agriculture. EU Framework Programme Horizon 2020 COST action FA1407 (participant)

2015-2019 Using three-way interactions between plants, microbes and arthropods to enhance crop protection and production. EU Framework Programme Horizon 2020 COST action FA1405 (Substitute MC member)

2014-2017 Innovirology Project Number 2014-1-ES01-KA203-004962. EU Framework Programme Horizon 2020 Erasmus + Action (participant)

2011-2020 Agrobiodiversity and land-use change in Serbia: an integrated biodiversity assessment of key functional groups of arthropods and plant pathogens. Ministry of Education and Science, Republic of Serbia (participant)

2014-2015 Biodiversity, distribution and molecular characterization of viruses infecting grown plants from family Cucurbitaceae in Republic of Srpska. Ministry of Science and Technological Development, Republic of Srpska, Bosnia and Herzegovina (participant)

2013-2016 Advancing research in agriculture and food sciences at Faculty of Agriculture, University of Belgrade. EU Commission project AREA, No 316004 (participant)

2012-2013 Presence, distribution and molecular characterization of *Iris yellow spot virus* on onions in Republic of Srpska. Ministry of Science and Technological Development, Republic of Srpska, Bosnia and Herzegovina (participant)

2010-2011 Occurrence of plant pathogenic fungi on aromatic and medicinal plants in Croatia and Serbia. Ministry of Science

- and Technological Development, Republic of Serbia, bilateral research projects with Republic of Croatia (participant)
- 2010-2012 International Joint Master degree in Plant Medicine (IPM) 158875-TEMPUS-IT-JPCR (participant)
- 2009-2010 Serological and molecular methods for alfalfa seed health testing and determination of seed-borne virus infection levels, disease intensity in field crops and genetic structure of alfalfa mosaic virus population in Serbia. Ministry of Agriculture, Forestry and Water Management, Republic of Serbia (participant)
- 2008-2011 Advancement of cultivars, production technology and primary processing of naked seeded oil pumpkin and marigold. Ministry of Science and Technological Development, Republic of Serbia (participant)
- 2007-2008 Standard operation procedure for detection and identification of *Tomato spotted wilt virus* – funded by the Ministry of Agriculture, Forestry and Water Management, Republic of Serbia (participant)

Study Visit and Specialisation:

- 2014 Dipartimento di Scienze del Suolo della Pianta e degli Alimenti, Università degli Studi di Bari Aldo Moro, Bari, Italy

Major research achievements:

So far, she has published more than 230 scientific articles (61 from SCI) with 335 citations (excluding self-citations) and *h*-index 11 from SCOPUS database. Familiar with conventional, serological and molecular technique for detection of pathogenic and quarantine organisms: pathogenicity and bioassay tests (mechanical inoculation and grafting); serological techniques (ELISA); molecular tools in viral/fungal identification - polymerase chain reaction (conventional PCR/RT-PCR and real-time PCR/RT-PCR); phylogenetic and sequence analyses; population structure. She was attempting several training courses in the diagnosis of viruses, and she is also active as a reviewer and presenting her research findings at conferences and meetings.

Membership in Professional Associations Local and Foreign:

- Serbian Plant Protection Society
- Serbian Microbiological society
- Serbian Society for Virology
- American Phytopathological Society (APS)

Selected references:

1. **Stanković, I.,** Zečević, K., Ristić, D., Vučurović, I., Krstić, B. (2024): Molecular characterization of wheat dwarf virus isolates from Serbia based on complete genome sequences. *Frontiers in Microbiology* 15:1469453. doi: 10.3389/fmicb.2024.1469453
2. **Stanković, I.,** Zečević, K., Delibašić, G., Jović, J., Toševski, I., Krstić, B. (2023): Grapevine rupestris stem pitting virus: a new pathogen of grapevine in

- Serbia. *Journal of Plant Disease and Protection* 130: 181-188. doi: 10.1007/s41348-022-00656-x
3. Vučurović A., Kutnjak D., Mehle N., **Stanković I.**, Pecman A., Bulajić A., Krstić B., Ravnikar M. (2021): Detection of Four New Tomato Viruses in Serbia using Post-Hoc High-Throughput Sequencing Analysis of Samples from a Large-Scale Field Survey. *Plant Disease* 105 (9): 2325-2332. doi: 10.1094/PDIS-09-20-1915-RE
 4. **Stanković I.**, Vučurović, A., Zečević, K., Petrović, B., Nikolić, D., Delibašić, G. (2021): Characterization of cucumber mosaic virus and its satellite RNAs associated with tomato lethal necrosis in Serbia. *European Journal of Plant Pathology* 160: 301-313. doi: 10.1007/s10658-021-02241-8
 5. Petrović, B., Vučurović, A., Zečević, K., Delibašić, G., Krstić, B., **Stanković I.** (2021): Resistance-breaking tomato spotted wilt orthotospovirus isolates on resistant tomato in Serbia. *Journal of Plant Disease and Protection* 128: 1327-1339. doi: 10.1007/s41348-021-00493-4.
 6. **Stanković I.**, Vučurović, A., Zečević, K., Petrović, B., Ristić, D., Vučurović, I., Krstić, B. (2020): Occurrence and molecular characterization of Impatiens necrotic spot tospovirus in ornamentals in Serbia. *Journal of Plant Pathology* 102: 787-797. doi: 10.1007/s42161-020-00504-7.
 7. Nikolić, D., Vučurović, A., **Stanković I.**, Radović, N., Zečević, K., Bulajić, A., Krstić, B. (2018): Viruses affecting tomato crops in Serbia. *European Journal of Plant Pathology* 152: 225-235. doi: 10.1007/s10658-018-1467-y
 8. Vučurović, A., Bulajić, A., **Stanković I.**, Ristić, D., Berenji, J., Jović, J., Krstić, B. (2012): Non-persistently aphid-borne viruses infecting pumpkin and squash in Serbia and partial characterization of *Zucchini yellow mosaic virus* isolates. *European Journal of Plant Pathology* 133: 935-947. doi: 10.1007/s10658-012-9964-x
 9. **Stanković I.**, Bulajić, A., Vučurović, A., Ristić, D., Milojević, K., Berenji, J., Krstić B. (2011): Status of tobacco viruses in Serbia and molecular characterization of *Tomato spotted wilt virus* isolates. *Acta Virologica* 55: 337-347. doi:10.4149/av_2011_04_337

Curriculum Vitae

Name and family name: Branka Krstić
Birth date and place: 27th March 1957, Belgrade, Serbia
Nationality: Serbian
Home Address: Prizrenska 12, 11070 Zemun, Serbia
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Title: Full Professor of Plant Pathology
Year of Acquisition: 2003
Institution: Institute of Phytomedicine, Department of Phytopathology, University of Belgrade-Faculty of Agriculture
Address: Nemanjina 6, 11080 Belgrade, Serbia
Languages: English (fluently)
Education:
1992 PhD «Comparative investigation of viruses belonging to “Y” group, causal agent of maize mosaic»
1990 MSc «Suitability and reliability of serological methods for identification of *Beet necrotic yellow virus*»
1981 BSc «Influence of individual and complex virus infection of maize mosaic virus and bromus mosaic virus on the activity of ascorbinoxidase and polyphenoloxidase in sweet corn leaves»
Professional career:
2003-current Full Professor, Institute of Phytomedicine, Department of Phytopathology, University of Belgrade-Faculty of Agriculture
1998 Associate Professor, Institute of Plant Protection, Department of Phytopathology, University of Belgrade-Faculty of Agriculture
1993 Assistant Professor, Institute of Plant Protection, Department of Phytopathology, University of Belgrade-Faculty of Agriculture

- 1991 Assistant, MSc, Institute of Plant Protection, Department of Phytopathology, University of Belgrade-Faculty of Agriculture
- 1986 Research and teaching assistant, BSc, Institute of Plant Protection, Department of Phytopathology, University of Belgrade-Faculty of Agriculture.
- 1981 Teacher in high school Dušan Vlahović, Bar, Republic of Montenegro

Teaching Areas:

Plant Virology; Plant Pathogenic Viruses, Bacteria and Phytoplasmas; Plant Quarantine; Plant Disease Diagnosis; Identification of Plant Pathogens; Viruses of Ornamental Plants; Bioinformatics in Plant Virus Research; Methods in Plant Virus Research; Population Genetic Analysis of Plant Viruses; Characterization of Plant Viruses for students of Phytomedicine for students of Phytomedicine, Fruit and Viticulture Science, University of Belgrade-Faculty of Agriculture

Research Areas:

Virus and fungal diseases of vegetables, field crops and ornamentals; Quarantine viruses and fungi of vegetables and ornamentals; Viruses infecting maize, sorghum and sugarcane; Sugar beet rhizomania; Tobacco viruses; Cucurbit viruses; Tomato viruses; *Tomato spotted wilt virus*, *Iris yellow spot virus* and other viruses belonging to the *Tospovirus* genus; Seed transmission of plant viruses and fungi; Diagnosis of virus and fungal diseases, detection, identification of plant viruses and fungi; Serology; Molecular characterization of plant viruses; Cross-protection among viruses and virus strains; Changes of peroxidase activity and isoenzyme profiles in virus and fungi-infected plants; *Alternaria* species infecting plants belonging to the fam. Apiaceae; *Phytophthora ramorum*, *Phytophthora* complex on raspberry; Phytoplasmas.

Participation in recent research projects:

- 2015- Application of next generation sequencing for the study and diagnosis of plant viral diseases in agriculture. EU Framework Programme Horizon 2020 COST action FA1407 (participant)
- 2015- Using three-way interactions between plants, microbes and arthropods to enhance crop protection and production. EU Framework Programme Horizon 2020 COST action FA1405 (participant)
- 2014- Innovirolgy Project Number 2014-1-ES01-KA203-004962. EU Framework Programme Horizon 2020 Erasmus + Action (participant)
- 2011- Agrobiodiversity and land-use change in Serbia: an integrated biodiversity assessment of key functional groups of arthropods and plant pathogens. Ministry of Education and Science, Republic of Serbia (participant)

- 2014-2015 Biodiversity, distribution and molecular characterization of viruses infecting grown plants from family Cucuritaceae in Republic of Srpska. Ministry of Science and Technological Development, Republic of Srpska, Bosnia and Herzegovina (participant)
- 2013-2016 Advancing research in agriculture and food sciences at Faculty of Agriculture, University of Belgrade. EU Commission project AREA, No 316004 (WP Leader)
- 2012-2013 Presence, distribution and molecular characterization of *Iris yellow spot virus* on onions in Republic of Srpska. Ministry of Science and Technological Development, Republic of Srpska, Bosnia and Herzegovina (participant)
- 2010-2011 Occurrence of plant pathogenic fungi on aromatic and medicinal plants in Croatia and Serbia. Ministry of Science and Technological Development, Republic of Serbia, bilateral research projects with Republic of Croatia (participant)
- 2010-2012 International Joint Master degree in Plant Medicine (IPM) 158875-TEMPUS-IT-JPCR (participant)
- 2009-2010 Serological and molecular methods for alfalfa seed health testing and determination of seed-borne virus infection levels, disease intensity in field crops and genetic structure of alfalfa mosaic virus population in Serbia. Ministry of Agriculture, Forestry and Water Management, Republic of Serbia (project coordinator)
- 2008-2011 Advancement of cultivars, production technology and primary processing of naked seeded oil pumpkin and marigold. Ministry of Science and Technological Development, Republic of Serbia (participant)
- 2008-2010 Implementation of new methods for identification of species belonging to genus *Phytophthora* and ethiology of raspberry decline in Republic of Srpska. Ministry of Science and Technological Development, Republic of Srpska (participant)
- 2008-2010 Molecular characterization of *Tomato spotted wilt virus* (TSWV) Ministry of Education and Science, Republic of Montenegro (participant)
- 2007-2008 Standard operation procedure for detection and identification of *Tomato spotted wilt virus* – funded by the Ministry of Agriculture, Forestry and Water Management, Republic of Serbia (project coordinator)
- 2007-2008 Standard operation procedure for detection and identification of *Phytophthora ramorum* – funded by the Ministry of Agriculture, Forestry and Water Management, Republic of Serbia (participant)

Study Visit and Specialization:

- 1990 International Working Group for Sugar Beet Diseases and Pests, Einbeck, Germany

Major research achievements:

Over 400 scientific publications, one national monograph on quarantine viruses and one on oil pumpkin diseases; one college textbook; project manager in bilateral research projects with Greece; description of new SCMV strain, development of three Standard Operating Procedures for Serbian Plant Diagnostic Network; Expertise for detection of several quarantine and regulated plant pathogens approved by Ministry of Agriculture of Serbia and participated in building up of national phytosanitary laboratories; Project leader of quarantine pathogen investigations granted from Ministry of Agriculture, Forestry and Water Management, Republic of Serbia.

Membership in Professional Associations Local and Foreign:

- Serbian Plant Protection Society
- Society for Harmonious Research in Nature, Society and Science of Serbian Academy of Science and Arts
- Serbian Microbiological society
- Serbian Society for Virology
- Publishing Council Member for Journal of Agricultural Sciences (Faculty of Agriculture, Belgrade-Zemun)
- The International Seed Testing Association

Selected reference:

1. Hrustić, J., Delibašić, G., Stanković, I., Grahovac, M., **Krstić, B.**, Bulajić, A., Tanović, B. (2015): *Monilinia* species causing brown rot of stone fruits in Serbia. Plant Disease 99: 709-717. (ISSN 0191-2917, KoBSON, Plant Sciences, 48/199, 2013, **IF 2,795**)
2. Bulajić, A., Stanković, I., Vučurović, A., Ristić, D., Milojević, K., Ivanović, M., **Krstić, B.** (2014): *Tomato spotted wilt virus* - Potato Cultivar Susceptibility and Tuber Transmission. American Journal of Potato Research 91: 186-194. (ISSN1099-209X, KoBSON, Agronomy, 34/78, 2013, **IF=1,235**)
3. Popović, M. M., Bulajić, A., Ristić, D., **Krstić, B.**, Jankov, M. R., Gavrović–Jankulović, M. (2012): *In vitro* and *in vivo* antifungal properties of cysteine proteinase inhibitor from green kiwifruit. Journal of the Science of Food and Agriculture, 92: 3072-3078. (ISSN 0022-5142, KoBSON, Agriculture, Multidisciplinary, 8/57, 2012, **IF=1,770**)
4. Vučurović, A., Bulajić, A., Stanković, I., Ristić, D., Berenji, J., Jović, J., **Krstić, B.** (2012): Non-persistently aphid-borne viruses infecting pumpkin and squash in Serbia and partial characterization of *Zucchini yellow mosaic virus* isolates. European Journal of Plant Pathology 133: 935-947. (ISSN 0929-1873, KoBSON, Agronomy, 22/78, 2012, **IF=1,933**)
5. Jankovics, T., Dolovac, N., Bulajić, A., **Krstić, B.**, Pascal, T., Bardin, M., Nicot, P., Kiss, L. (2011): Peach rusty spot is caused by the apple powdery mildew fungus, *Podosphaera leucotricha*. Plant Disease 95: 719–724. (ISSN 0191-2917, KoBSON, Plant Science, 48/195, 2012, **IF=2,722**)