

Olga Kozhar, PhD

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EDUCATION

- PhD in Plant Pathology** 2019
Washington State University
Dissertation title: Ecology and population biology of *Botrytis cinerea* on red raspberry and other small fruit hosts in the Pacific Northwest
- MS in Ecobiotechnology** 2009
National University of Life and Environmental Sciences of Ukraine
Thesis title: *Brassica napus* L. *in vitro*: regeneration, morphogenesis, genetic transformation
- BS in Ecobiotechnology** 2008
National University of Life and Environmental Sciences of Ukraine
Thesis title: Methods of biotechnology in breeding and reproduction of *Brassica napus* L.

PROFESSIONAL APPOINTMENTS

- Postdoctoral Research Associate** 2020-Present
Colorado State University, Department of Agricultural Biology
Dr. Jane Stewart Lab

PEER-REVIEWED PUBLICATIONS

- Kozhar O** and Peever TL. 2018. How does *Botrytis cinerea* infect red raspberry? *Phytopathology*. 108(11): 1287-1298.
<https://doi.org/10.1094/PHYTO-01-18-0016-R>
- Kozhar O**, Larsen MM, Grünwald NJ, and Peever TL. 2020. Fungal evolution in anthropogenic environments: *Botrytis cinerea* populations infecting small fruit hosts in the Pacific Northwest rapidly adapt to human-induced selection pressures. *Applied and Environmental Microbiology*. 86(9): e02908-19
<https://aem.asm.org/content/86/9/e02908-19>

PEER-REVIEWED PUBLICATIONS IN PREPARATION

- Kozhar O** and Peever TL. *In preparation*. Colonization of red raspberry flowers and fruit by *Botrytis cinerea* under commercial production conditions in northwestern Washington, USA. *Plant Pathology*.

PROFESSIONAL PRESENTATIONS

1. **Kozhar O**, Larsen MM, Grunwald NJ, and Peever TL. Populations of *Botrytis cinerea* infecting small fruit in the Pacific Northwest. American Phytopathological Society Pacific Division Meeting. June 26th, 2019. Fort Collins, CO.
2. **Kozhar O** and Peever TL. Biology and fungicide resistance of *Botrytis cinerea* on small fruit in Washington. Annual Berry Disease meeting. February 21st, 2019. Lynden, WA.
3. **Kozhar O** and Peever TL. Dynamics of *Botrytis cinerea* colonization of red raspberry flowers and fruit. Washington Small Fruit Conference & Ag Show. November 28th, 2018. Lynden, WA.
4. **Kozhar O** and Peever TL. Effects of fungicide applications on *Botrytis cinerea* colonization of red raspberry at different developmental stages of the host. Annual Berry Disease meeting. February 21st, 2018. Lynden, WA.
5. **Kozhar O** and Peever TL. Do early-season fungicide applications decrease *Botrytis* fruit rot of red raspberry? Washington Small Fruit Conference. December 15st, 2017. Lynden, WA.
6. **Kozhar O** and Peever TL. How does *Botrytis cinerea* infect red raspberry? American Phytopathological Society Meeting. July 30th, 2017. San Antonio, TX.

POSTER PRESENTATIONS

1. **Kozhar O**, Larsen MM, Grunwald NJ, and Peever TL. *Botrytis cinerea* population structure on small fruit in the Pacific Northwest. Washington State University Mount Vernon Research and Extension Center Field Day. July 7th, 2019. Mount Vernon, WA.
2. **Kozhar O**, Larsen MM, Grunwald NJ, and Peever TL. Insights into *Botrytis cinerea* population structure on small fruit in the Pacific Northwest. 30th Fungal genetics conference. March 15th, 2019. Pacific Grove, CA.
3. **Kozhar O** and Peever TL. Colonization dynamics of red raspberry flowers and fruit by *Botrytis cinerea*. International Congress of Plant Pathology. July 31st, 2018. Boston, MA.
4. **Kozhar O**, Larsen MM, Grunwald NJ, and Peever TL. What do we know about population structure of *Botrytis cinerea* infecting small fruit in the Pacific Northwest? Annual Conference of Northwest Center for Small Fruits Research. December 8th, 2016. Kennewick, WA.
5. **Kozhar O**, Weber JM, Carmody SM, Agarwal C, Li Y, Carris LM., Peever TL. Phylogenetic analysis of a morphologically distinct morel (*Morchella spp.*) from the US Inland Pacific Northwest. 84th Annual Meeting of Mycological Society of America. August 5th, 2016. Berkeley, CA.
6. **Kozhar O** and Peever TL. Biology of *Botrytis* fruit rot on red raspberry. Washington Small Fruit Conference. December 4th, 2015. Lynden, WA.

OUTREACH PRESENTATIONS

1. **Kozhar O** and Peever TL. Dynamics of *Botrytis cinerea* colonization of red raspberry flowers and fruit. Washington Berry Research Review. November 1st, 2018. Mount Vernon, WA.
2. **Kozhar O** and Peever TL. Control of gray mold of berries in the Pacific Northwest. Skagit Berry Workshop. March, 23^d, 2018. Mount Vernon, WA.
3. **Kozhar O**, Larsen MM, Grunwald NJ, and Peever TL. Population biology of *Botrytis cinerea* on small fruit in the Pacific Northwest. Berry Fungicide Resistance Working Group. February 22nd, 2017. Lynden, WA.
4. **Kozhar O** and Peever TL. *Botrytis* fruit rot on red raspberry: are flowers important for the development of gray mold? Washington State University Mount Vernon Research and Extension Center Field Day. July 7th, 2016. Mount Vernon, WA.
5. **Kozhar O** and Peever TL. Biology and ecology of *Botrytis* fruit rot on red raspberry. Washington State University Mount Vernon Research and Extension Center Field Day. July 5th, 2015. Mount Vernon, WA.

TEACHING EXPERIENCE

Invited lecturer Washington State University Introduction to Plant Pathology	Fall 2017–2019
Teaching Assistant Washington State University Microbiology and Molecular Biology	Fall 2018
Teaching Assistant Washington State University Introduction to Plant Pathology	Fall 2016

GRANTS AWARDED

WSDA, Specialty Crop Block Grant (\$207 709) PI: Peever TL, Co-PI: Kozhar O	2019-2021
Washington Red Raspberry Commission (\$15000) PI: Peever TL Composed: Peever TL and Kozhar O	2018
Washington Red Raspberry Commission (\$25000) PI: Peever TL Composed: Peever TL and Kozhar O	2017
WA Commission on Pesticide Registration (\$25000) PI: Peever TL Composed: Peever TL and Kozhar O	2017
Washington Red Raspberry Commission (\$25000) PI: Peever TL Composed: Peever TL and Kozhar O	2016
WA Commission on Pesticide Registration (\$25000) PI: Peever TL Composed: Peever TL and Kozhar O	2016

AWARDS (SELECTED)

1st Place: Graduate Student Oral Presentation American Phytopathological Society Pacific Division Meeting, Fort Collins, CO	Summer 2019
APS Pacific Division Travel Award American Phytopathological Society Pacific Division Meeting, Fort Collins, CO	Summer 2019
APS Travel Award American Phytopathological Society Boston, MA	Summer 2018
Alaska Airlines Travel Award	Fall 2017
People Choice Award WSU CAHNRS Three Minutes Thesis Competition	Spring 2017

DEPARTMENT SERVICE

Graduate Student Representative at Plant
Pathology Department Faculty Meetings

Spring 2019

Secretary of Plant Pathology Graduate
Student Organization

2015 – 2016

PROFESSIONAL SERVICES

Ad-hoc reviewer

Plant Disease (n = 1)
Plant Pathology (n = 2)

2018 - Present

PROFESSIONAL AFFILIATIONS

- American Phytopathological Society
- Genetics Society of America