

## DOCTORADO EN CIENCIAS AGROALIMENTARIAS

### Ximena Besoain Canales

1. Larach A, Torres C, Riquelme N, Valenzuela M, Salgado E, Seeger M, **Besoain X**. 2020. Yield loss estimation and pathogen identification from *Botryosphaeria dieback* in vineyards of Central Chile over two growing seasons. *Phytopatologia Mediterranea* 59: 537-548. Q2.
2. Alvarado-Borella L, Saa S, Cuneo I, Pedreschi R, Morales J.A., Larach A, Barros-Parada W, Guajardo J, **Besoain X**. 2020. A comparison of immediate and short-term defensive responses to *Phytophthora* species infection in both susceptible and resistant walnut rootstocks. *Plant Disease* 104: 921-929. Q1.
3. Montenegro I, Said B, Godoy-Martínez P, **Besoain X**, Parra C, Díaz K, Madrid A. 2020. Antifungal activity of essential oil and main components from *Mentha pulegium* growing wild on the Chilean Central Coast. *Agronomy* 10: 254. Q1.
4. Vásconez I, **Besoain X**, Vega-Celedón P, Valenzuela M, Seeger M. 2020. First report of bacterial wilt caused by *Ralstonia solanacearum* phylotype IIB sequevar 1 affecting tomato in different regions of Chile. *Plant Disease* 104(7). Q1.
5. Jiménez I, Cádiz F, Aravena R, Larach A, **Besoain X**, Ezcurra E, Rolshausen P. 2020. First report of *Diaporthe cynaroidis* and *D. austral africana* associated with walnut branch canker in Chile. *Plant Disease* 104(10). Q1.
6. Tapia L, Larach A, Riquelme N, Guajardo J, **Besoain X**. 2020. First report of *Neofusicoccum luteum* causing stem-end rot disease on avocado fruits in Chile. *Plant Disease* 104(7). Q1.
7. Werner E., Montenegro I, Said B., Godoy-Martínez P, **Besoain X**, Caro N., Madrid A. 2020. Synthesis and anti-saprolegnia activity of new 2',4'-dihydroxydihydrochalcone derivatives. *Antibiotics* 9(6):317. Q1.
8. Flores O, Retamales J, Núñez M, León M, Salinas P, **Besoain X**, Yáñez C, Bastías R. 2020. Characterization of bacteriophages against *Pseudomonas syringae* pv. *actinidiae* with potential use as natural antimicrobials in kiwifruit plants. *Microorganisms* 8(7):974. Q2.
9. López G, Mellado M, Werner E, Said B, Godoy-Marítnez, Caro N, **Besoain X**, Montenegro I, Madrid A. 2020. Sonochemical Synthesis of 2'-Hydroxy-Chalcone Derivatives with Potential Anti-Oomycete Activity. *Antibiotics* 9(9): 576. Q1.
10. Méndez V, Valenzuela M, Salvá F, Jaén-Luchordo D, **Besoain X**, Moore E.R.B., Seeger M. 2020. Comparative Genomics of Pathogenic *Clavibacter michiganensis* subsp. *michiganensis* Strains from Chile Reveals Potential Virulence Features for Tomato Plants. *Microorganisms* 8(11): 1679. Q2.
11. Montenegro I, Mellado M, Russo A, Said B, **Besoain X**, Godoy P, Werner E, Caro N, Madrid A. 2019. Carveoylphenols and Their Antifungal Potential against Pathogenic Yeasts. *Antibiotics* 8: 185. Q2.

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12. **Besoain X**, Guajardo J, Larach A, Riquelme N, Galvez E, Tapia L, Alvarado LE, Saratscheff T, Celis-Diez JL. 2019. First Report of *Diplodia seriata* causing gummy canker in *Araucaria araucana* wild populations in south-central Chile. *Plant Disease* 103: 2684. Q1.
13. Guajardo J, Riquelme N, Browne G, Youlton C, Castro M, **Besoain X**. 2019. Characterization of Oomycete species associated with root and crown rot of English walnut in Chile. *Plant Disease* 103: 691-696. Q1.
14. Valenzuela M, Méndez V, Montenegro I, **Besoain X**, Seeger M. 2019. Streptomycin resistance in *Clavibacter michiganensis* subsp. *michiganensis* strains from Chile is related to an *rpsL* gene mutation. *Plant Pathology* 68: 426-433. Q1.
15. Flores O, Prince C, Nunez M, Vallejos A, Mardones C, Yañez C, **Besoain X**, Bastías R. 2019. Genetic and Phenotypic Characterization of Indole-Producing Isolates of *Pseudomonas syringae* pv. *actinidiae* Obtained from Chilean Kiwifruit Orchards. *Frontiers in Microbiology* 9:1-12. Q1.
16. Montenegro I, Madrid A, Cuellar M, Seeger M, Alfaro JF, **Besoain X**, Martínez JP, Ramirez I, Olguín Y, Valenzuela M. 2018. Biopesticide activity from drimanic compounds to control tomato pathogens”. *Molecules* 23:2053. Q2.
17. Valenzuela M, **Besoain X**, Durand K, Cesbron S, Fuentes S, Claverías F, Jacques MA, Seeger M. 2018. *Clavibacter michiganensis* subsp. *michiganensis* strains from central Chile exhibit low genetic diversity and sequence types match strains in other parts of the world”. *Plant Pathology* 67: 1944-1954. Q1.
18. Guajardo J, Riquelme N, Tapia L, Larach A, Torres C, Camps R, **Besoain X**. 2018. First report of *Lasiodyplodia theobromae* causing Bot Gummosis in Citrus limón in Chile. *Plant Disease* 102: 818-819. Q1.
19. **Besoain X**, Guajardo J, Camps R. 2017. First Report of *Diplodia mutila* Causing Gummy Canker in *Araucaria araucana* in Chile. *Plant Disease* 101: 1328. Q1.
20. Guajardo J, Saa S, Camps R, **Besoain X**. 2017. Outbreak of crown and root rot of walnut caused by *Phytophthora cinnamomi* in Chile. *Plant Disease* 101, 636. Q1.
21. Vidal AK, Camps R, **Besoain X**. 2016. Necrotic Streaking of Asiatic Lilies caused by *Plantago asiatica* mosaic virus in Chile. *Plant Disease* 100: 1799. Q1.
22. Camps R, Mansur L, De La Cuadra C, **Besoain X**. 2016. First Report of Turnip mosaic virus (TuMV) Infecting *Leucocoryne purpurea* (Amaryllidaceae) in Chile. *Plant Disease* 100: 2341. Q1.
23. Torres C, Camps R, Aguirre R, **Besoain X**. 2016. First report of *Diaporthe rudis* in Chile Causing Stem-End Rot on “Hass” Avocado Fruit Imported from California. *Plant Disease* 100: 1951. Q1.

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### Proyectos con financiamiento externo últimos 5 años (adjudicado y/o ejecutado)

1. Nuevo servicio de detección de virus y viroides para determinar la sanidad de plantas de cítricos en Chile.  
Financiamiento: Proyecto FIA PYT-2020-0218. Institución Asociada, Comité de Cítricos de Chile, ASOEX  
Duración 2020-2024.  
Año de adjudicación: 2020
2. Consorcio biológico PUCV-VBL para el control de hongos en postcosecha de uvas para exportación.  
Financiamiento: I Concurso FONDEF IDeA en dos etapas, Temático en Inocuidad y Calidad Alimentaria-CONICYT, ID17AL0028.  
Rol: Directora  
Duración: 2017-2019  
Año adjudicación: 2017
3. KIWI PHAGE: Desarrollo de un antimicrobiano natural contra el cancro bacteriano del kiwi utilizando bacteriófagos  
Financiamiento: FONDEF Idea Dos Etapas, AF10I1352  
Rol: Co-Investigadora  
Duración: 2015-2018  
Año adjudicación: 2015