

Department News

IPM YouTube Videos: Check Them Out!

Soybean Gall Midge: <https://youtu.be/Nv5aThR0Quw>

Crop Scouting: <https://youtu.be/QOALTFgOoxM>

Weed ID: Garlic Mustard: <https://youtu.be/y-Hv4UY0-xw>

Oyster Shell Scale: https://youtu.be/NQi_hGIK-f0

Dr. Claudia Lemper-Manahl Receives COVID-19 Exceptional Effort Award

Dr. Claudia Lemper-Manahl, Assistant Teaching Professor, received one of twelve COVID-19 Exceptional Effort Awards “For leadership and creativity in ensuring the safety of students and staff in undergraduate in-person microbiology labs.” Congratulations! Read more about the award by following the links below.

<https://www.inside.iastate.edu/article/2021/01/07/effort>

<https://www.celt.iastate.edu/2021/01/11/celt-spotlight-claudia-lemp-manahl/>

APS Podcast Series Features Several Current and Former PLPM Department Members

The APS podcast series “Plantopia” (<http://www.plantopiapodcast.org/>) has featured interviews with several current and former members of the PLPM department. Go and check them out!

June 15, 2020: “Willie Nelson’s bag of spinach” – **JP Dundore-Arias**:

<https://www.plantopiapodcast.org/7>

July 27, 2020: “The Rodney Dangerfield of the microbial world” – **Gwyn Beattie**:

<https://www.plantopiapodcast.org/10>

August 10, 2020: “The adventures of sooty blotch and flyspeck” – **Mark Gleason**:

<https://www.plantopiapodcast.org/11>

November 16, 2020: “Cranberries” – **Erika Saalau Rojas**:

<https://www.plantopiapodcast.org/18>

Recent Publications

Reem, N.T., Chambers, L., Zhang, N., Abdullah, S.F., Chen, Y., Feng, G., **Gao, S.**, Soto-Burgos, J., Pogorelko, G., Bassham, D.C., Anderson, C.T., **Walley, J.W.**, and Zabortina, O.A. 2020. Post-Synthetic Reduction of Pectin Methylesterification Causes Morphological Abnormalities and Alterations to Stress Response in *Arabidopsis thaliana*. *Plants*. 9. 1558.

Aslam, H.M.U., Ali, S., Aslam, S., Ali, M.A., Khan, N.A., Zhai, Y., and **Gleason, M.L.** 2020. First report of leaf spot of bottle gourd (*Lagenaria ciceraria*) caused by *Fusarium equiseti* in Pakistan. *Journal of Plant Pathology* <https://doi.org/10.1007/s42161-020-00730-z>.

Carino, E.J., Scheets, K., and **Miller, W. A.** 2020. The RNA of maize chlorotic mottle virus - an obligatory component of maize lethal necrosis disease - is translated via a variant panicum mosaic virus-like cap-independent translation element. *Journal of Virology*. 94:e01005-20. doi.org/10.1128/JVI.01005-20.

Mayers, C.G., **Harrington, T.C.**, Masuya, H., Jordal, B.H., **McNew, D.L.**, Shih, H.-H., Roets, F., and Kietzka, G.J. 2020. Patterns of coevolution between ambrosia beetle mycangia and the Ceratocystidaceae, with five new fungal genera and seven new species. *Persoonia* 44:41-66. <https://doi.org/10.3767/persoonia.2020.44.02>

Mayers, C.G., **Harrington, T.C.**, **McNew, D.L.**, Roeper, R.A., Biedermann, P.H.W., Masuya, H., and Bateman, C.C. 2020. Four mycangial types and four genera of ambrosia fungi suggest a complex history of fungus-farming in the ambrosia beetle tribe Xyloterini. *Mycologia* 112:1104-1137. <https://www.tandfonline.com/doi/full/10.1080/00275514.2020.1755209>

Dhaoudi, S., Mougou, A.H., Wu, C.J., **Gleason, M.L.**, and Rhouma, A. 2020. Sequence analysis of 16S rDNA, gyrB and alkB genes of plant-associated *Rhodococcus* species from Tunisia. *International Journal of Systematic and Evolutionary Microbiology*: DOI 10.1099/ijsem.0.004521.