



## Dr. Seogchan Kang

### Harnessing microbial chemical ecology to achieve environment-friendly crop production

Biogenic volatile organic compounds (VOCs) mediate organismal interactions within and between multiple kingdoms. We investigate how VOCs participate in microbe-microbe and plant-microbe interactions with the primary focus on their role in plant growth/health and biological control. New insights and tools from this investigation and future directions will be presented.

**Spring 2022 PSLA**

**LECTURE**

**SERIES**

**March 7, 2022**

**PLSC Building: RM  
1140**

**Time:**

**12PM**

**[UMD Zoom](#)**

**Graduate student  
lunch w/ speaker**

**1PM**

**PLSC RM 2107/2109**

Kang's research focuses on the mechanism of fungal interactions with plants and microbes. He has built online community platforms that support pathogen identification, discovery, and comparative genomics. He also studies the history/philosophy of science and technology to identify and understand anticipated dilemmas presented by rapid advances in science and technology.



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