



DILIP SHAH

Plant Antifungal Peptides: Modes of Action and Biotech Applications

Antimicrobial peptides are essential components of the innate immunity of plants. Plant defensins and defense-like peptides are small cysteine-rich peptides with potent antifungal activity against fungal pathogens. They are highly diverse in sequence, composition and net charge and exhibit multi-faceted mechanisms of action. They have significant potential as peptide-based biofungicides.

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LECTURE

SERIES

February 22, 2021

**SEMINAR takes place
live via**

[UMD Zoom](#)

Time:

12PM

I am a Principal Investigator at the Donald Danforth Plant Science Center in Saint Louis since 2001. My lab is investigating the structure-activity relationships, modes of action of antimicrobial peptides known as defensins and defensin-like peptides which exhibit potent antifungal activity against fungal pathogens. I am interested in development of these peptides as peptide-based biofungicides.