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AND REGIONAL PLANNING , CAAS

Gu Yilin



Associate Professor



86-13161055477



guyilin@caas.cn



Innovation Team of Agricultural Microbial Resources, IARRP, CAAS



Ziyuan Building, 12 Zhongguancun Nandajie Street, Haidian District, Beijing, China

Research Interests

- Microbial resource collection, evaluation, and application
- Plant-bacteria interactions
- Molecular mechanism of biocontrol bacteria

Publication

Population genetic structures of *Puccinia striiformis* f. sp. *tritici* in the Gansu-Ningxia region and Hubei Province, China, *Genes*, 2021, DOI: 10.3390/genes12111712

Genomic insights into a plant growth-promoting *Pseudomonas koreensis* strain with cyclic lipopeptide-mediated antifungal activity, *MicrobiologyOpen*, 2020, DOI: 10.1002/mbo3.1092

Characterization of a versatile plant growth-promoting rhizobacterium *Pseudomonas mediterranea* strain S58, *Microorganisms*, 2020, DOI: 10.3390/microorganisms8030334

Characterization of the SPI-1 type III secretion system in *Pseudomonas fluorescens* 2P24, *Frontiers in Microbiology*, 2020, DOI: 10.3389/fmicb.2021.749037

Improved evaluation of wheat cultivars (Lines) on resistance to *Puccinia striiformis* f. sp. *tritici* using molecular disease index, *Plant Disease*, 2019, DOI: 10.1094/PDIS-07-18-1158-RE



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Spore concentrations of *Blumeria graminis* f. sp. tritici in relation to weather factors and disease development in Gansu, China, Canadian Journal of Plant Pathology, 2019, DOI: 10.1080/07060661.2019.1630011

Inter-seasonal and altitudinal inoculum dynamics for wheat stripe rust and powdery mildew epidemics in Gangu, Northwestern China, Crop Protection, 2018, DOI: 10.1016/j.cropro.2018.03.005

Application of near-infrared spectroscopy to quantitatively determine relative content of *Puccinia striiformis* f. sp. tritici DNA in wheat leaves in incubation period, Journal of Spectroscopy, 2017, DOI: 10.1155/2017/9740295

Biocontrol agent *Bacillus amyloliquefaciens* LJ02 induces systemic resistance against cucurbits powdery mildew, Frontiers in Microbiology, 2015, DOI:10.3389/fmicb.2015.00883

Canopy spectral characterization of wheat stripe rust in latent period, Journal of Spectroscopy, 2015, DOI: 10.1155/2015/126090