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Research Interests

- Trichoderma collection evaluation and application
- Compost and biofertilizer
- Solid fermentation of chinese herbs
- Biocontrol of soil borne disease

Publication

Biochemical characterization of a GH19 chitinase from *Streptomyces alfalfae* and its applications in crystalline chitin conversion and biocontrol. ,International Journal of Biological Macromolecules, 2021, DOI:10.1016/j.ijbiomac.2020.11.178

Carbon source metabolism of *Trichoderma afroharzianum* with high-yield of antifungal volatile organic compounds(CN), Scientia Agricultura Sinica, 2020, DOI:10.3864/j.issn.0578-1752.2020.22.007

Enhancement of chlortetracycline biodegradation with *Trichoderma harzianum* LJ245 and its spore-producing mutants using co-metabolism, Biodegradation, 2020, DOI:10.1007/s10532-020-09908-9

Molecular regulation of *Trichoderma harzianum* ACCC32527 response to NaCl based on transcriptome and metabolome analysis(CN), Scientia Agricultura Sinica, 2019,



DOI:10.3864/j.issn.0578-1752.2019.12.006

Transcriptome-metabolome analysis of *Trichoderma harzianum* ACCC32524 under NaCl stress(CN), *Acta Microbiologica Sinica*, 2019, DOI:10.13343/j.cnki.wsxb.20180565

Prokaryotic expression of recombination of lipases gene dro *Trichoderma lentiforme* ACCC 30425 and preliminary atudy of its enzymatic properties(CN), *Current Biotechnology*, 2018, DOI:10.19586/j.2095-2341.2018.0039

An alkaline and surfactant-tolerant lipase from *Trichoderma lentiforme* ACCC30425 with high application potential in the detergent industry,AMB Express, 2018, DOI:10.1186/s13568-018-0618-z

Imaging mass spectrometry-guided fast identification of antifungal secondary metabolites from *Penicillium polonicum*, *Applied Microbiology and Biotechnology*, 2018, DOI:10.1007/s00253-018-9218-8

Effect and identification of volatile compounds from *Trichoderma* against *Fusarium oxysporum*(CN), *Chinese Journal of Tropical Crops*, 2017, DOI:10.3969/j.issn.1000-2561.2017.04.019

GFP-labeled transformation of *Trichoderma hamatum* ACCC31649 and its promotion on colonization and growth of pepper plants(CN), *Journal of Plant Nutrition and Fertilizer*, 2017, DOI:10.11674/zwyf.17078