

## Molluscicidal activity against *Oncomelania hupensis* of endophyte JJ18 from *Pseudolarix kaempferi* Gord

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### ABSTRACT

To screen a kind of biological controlling measure against the *Oncomelania hupensis* snails, This study is to research the molluscicidal effect of JJ18 and identify its species. The alcoholic extract of JJ18 broth effectively killed *O. hupensis* snails, and the n-butanol fraction of the extract had the best molluscicidal activity compared with other fractions. Ochratoxin A was detected from JJ18 broth with ELISA analysis, and it may be a molluscicidal active substance in the broth. JJ18 strain belongs to *Aspergillus niger* was identified by morphology characteristics of the slide culture and rDNA ITS sequence analyzing.

### KEYWORDS

*Oncomelania hupensis* . Endophyte . molluscicidal activity . *Pseudolarix kaempferi* Gord . ITS sequence

### REFERENCES

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