

## On the Fermentation Conditions of Mycelium of *Lyophyllum Decastes*

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**Abstract:** On the basis of the single factor experiments and orthogonal rotary design experiments, using liquid culture medium, this article studies the Optimization of culture medium formula and the proper temperature, PH value, bottle speed rotating speed and vaccinating amount for the Mycelium growth of *Lyophyllum Decastes* and yield of exocellular polysaccharides.

### Resume

#### Working Experience

July, 1985 Graduating from Northwest Agriculture Institute, majoring in Plant Protection.

August, 1985----January, 2001, Teaching in Zhangye Agriculture College, Course offered: Agriculture Microbiology.

Title: Teaching Assistant; Lecturer.

January, 2001----December, 2008, Teaching at Hexi University

Course offered: Microbiology. Titles: Associate Professor; Professor

2006---- Vice president of Gansu Edible Fungi Association; Standing director of Gansu Association of University-run Industries.

2007---- Member of Mycological Society of China

#### List of major publications

1. Biological Characteristics of *Allantophomoides carotae*. *Chinese Agricultural Sciences*
2. *Allantophomoides*, a New Genus in Coelomycetes. *Mycosystema*.
3. Biological Characteristics of *Lyophyllum decastes* (Fr. : Fr.) Singer *Mycosystema*.
4. Effects of Nine Fungicides on the Biological Characteristics of *Allantophomoides carotae*. *Plant Protection*
5. The Influence of Mineral Nutrition and Other Growth Substances on the Growth of Mycelia of *Lyophyllum decastes*. *Mycosystema*
6. Nutrition Ingredient Analysis and Evaluation of *Lyophyllum decastes* Fruit body. *Mycosystema*
7. On the Biological Features of the Disease Producing Germ of *Fusarium Moniliforme* Var. *subglutinans*. *Journal of Northwest A & F University (Natural Science Edition)*
8. Technology of Culturing Edible Fungi. *Gansu Science & Technology Press*