

Journal Name:	British Journal of Pharmaceutical Research
Manuscript Number:	MS: 2012/BJPR/1994
Title of the Manuscript:	Immunomodulatory effects of aqueous extracts of <i>Auricularia</i> sp and <i>Pleurotus</i> sp mushrooms in cyclophosphamide-immunosuppressed Wistar rats

Editor

Dear Editor,

The manuscript deals with the immunomodulatory effects of aqueous extracts of *Auricularia* sp and *Pleurotus* sp mushrooms in cyclophosphamide-immunosuppressed Wistar rats. I advise the rejection of this manuscript. Discussion section is not adequate (The authors does not discuss at any time mean lymphocyte and neutrophyl counts – Table 2 and 3). Effects of *Pleurotus* sp and *Auricularia* sp on immune system is well Known and documented. However, if the journal does not prioritize innovative studies, I advise the approval of study after major revisions.

Author

The manuscript deals with the immunomodulatory effects of aqueous extracts of *Auricularia* sp and *Pleurotus* sp mushrooms in cyclophosphamide-immunosuppressed Wistar rats. The study is not innovative and original. Effects of *Pleurotus* sp and *Auricularia* sp on immune system is well Known and documented. For example, since 2003, Morris et al. have been publicated:

*Immunomodulating effects of hot-water extract from *Pleurotus ostreatus* mycelium on cyclophosphamide treated mice. *Micología Aplicada Internacional*, v.15 (1), p.7-13.

* Pharmacological actions of hyphae body of *Auricularia auricula* (L. ex Hook) Underw and its alcoholic extract. *Zhongguo Zhong Yao Za Zhi*. 1994, 19(7):430-2, 448.

Thereby, What is the contribution of this study? I could not realize in your discussion section.

***Minor comments

*p.3: 86 – Is it not “Group III” ? Group II is repeated !

85 Group II: 300mg/kg Auricularia sp extract + cyclophosphamide (10mg/kg b.w)

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**Material and Methods:

*p.4:94

93 Selection of the two doses of mushroom extracts corresponded to doses that were 1/32 and

94 1/16 of the LD50 value calculated from a previous the acute toxicity study we conducted on

95 the same mushrooms.

What is the reference?

*p.4:97 - Improve methods about lymphocyte and neutrophyl counts

97 On experimental days 0, 14 and 28, whole blood samples were drawn from the tail vein of

98 each Wistar rat into EDTA containers (1mL) and processed for total and differential WBC.

*p.4:105

105 **2.6 Ethical issues**

106 The experimental animals were handled in accordance with the OECD guidelines for testing

107 chemicals and were allowed free access to food and clean water ad libitum. The

OECD mean?

*p.4:107

107 chemicals and were allowed free access to food and clean water ad libitum.

Ad libitum (Italic) !!

****Results and discussion: The authors does not discuss at any time mean lymphocyte and neutrophyl counts.**

*Table 2 (p.5:132)

***p<0.05 compared with initial values at day 0 in same group, ^ap<0.05 compared with group I*

What about “ * ” ? What does it mean ? There is no intensity of results !

**References are not standardized

For example,

229 Leaflets 12., 1206-1212.

204 Applied Biomedicine., 5,157–166.

Note: Anonymous Reviewer