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MICOLOGIA APLICADA INTERNACIONAL publishes original and review papers on all aspects of applied and economic mycology. Biochemistry, entomology, ecology, economics, food technology, genetics, molecular biology, morphology, nutritional value, nematology, pathology, pharmacognosy, pharmacology, physiology, production management, computer programs and hardware, and other areas of applied mycology are of interest.

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The English abstract, beginning with "ABSTRACT" on the line preceding the text. Key words should be placed below the abstract in alphabetical order. Choose key words carefully, words not supplied as key words will not be used in the subject index. Leave the remaining page blank. Single space, do not right-justify. Only standard abbreviations are permitted. Spell out all things you will define with abbreviations later.

Second Page: A "ZUSAMMENFASSUNG", "RESUME", or abstract in some other language may begin on the third page. Label in the same manner as the second page, but in the language used.

Begin your introduction on the page following the abstracts. The word "INTRODUCTION" should be on the line preceding the text. Be certain to identify properly the species being used in the introduction or materials and methods section. The taxonomic authority should be included when it is first mentioned, but not subsequently, except to avoid some apparent confusion. All accepted species and species authorities should be in agreement with international databases, not only for fungi (www.indexfungorum.org), but also for other microorganisms and organisms (www.atcc.org; www.dsmz.de; www.catalogueoflife.org).

Headings: It is expected that all original papers will have ABSTRACT (and in other languages), MATERIALS AND METHODS, RESULTS, DISCUSSION, and LITERATURE CITED headings. RESULTS and DISCUSSION may be separate or combined. Those headings will be in uniform type throughout the journal. Headings in review articles may be more varied.

Paragraphs: All paragraphs must be indented. Single space, do not right-justify.

Figures: Photos, graphs and line drawings are all to be numbered as figures and described on a separate legend page. In the text, they should be referred to with the abbreviation "Fig." Send all figures as JPEG. Other formats degrade the image or are difficult to handle. Color photos can be included as actual photos to give extremely high quality reproduction. The cost is less than printing by color separation, but the author will be billed about USD \$300 for each page.

Tables: Use a minimum of lines, and no vertical lines. Tables may be submitted as MS-Office or Open-(Libre-)Office files.

Statistical analysis: Strongly encouraged.

Literature Cited: Literature should be organized alphabetically by the authors' names. Single space, do not right-justify. Do not reference works you have not read. When there is more than one publication by the same authors, the older publications should be listed first. In the text, the number of the reference should be shown in parenthesis, where cited. The abbreviation of Journal names is encouraged, as long as it is consistent in all section of Literature Cited and the official Journal abbreviations are used. Examples of citations by type of publication:

Books:

Chang, S. T., J. A. Buswell and P. G. Miles. 1992. *Genetics and Breeding of Edible Mushrooms*. Gordon and Breach, New York. 374 pp.

Symposia:

Clift, A. D. 1986. A computer model to stimulate the occurrence and increase in number of several insects and mite pests of cultivated mushrooms in Australia. Pp. 371-384. *In: Cultivating Edible Fungi*. Eds. P. J. Wuest, D. J. Roysse and R. B. Beelman. Elsevier, New York.

Patents:

Kurtzman, R. H., Jr. 1982. Mushroom growing medium. U.S. Patent 4,333,757. June 8.

General references:

Merck Index. 10th ed. 1983. Pleurotin, #7405. Merck and Co., Rahway, N.J.

Mushroom Science (treat as a periodical):

Verbeke, M. N. and A. Overstyns. 1991. Interrelationships between activated charcoal, carbon dioxide, oxalate, and iron chemistry for fructification of *Agaricus bisporus*. *Mushroom Science* 13: 737-746.

Periodicals:

Vilgalys, R. and B. L. Sun. 1994. Assessment of species distributions in *Pleurotus* based on trapping of airborne basidiospores. *Mycologia* 86: 270-274.

Treatise, multi-authored:

Zadrazil, F. and R. H. Kurtzman, Jr. 1982. The biology of *Pleurotus* cultivation in the tropics; Chapter 15. Pp. 277-298. *In: Tropical Mushrooms*. Eds. S. T. Chang and T. H. Quimio. The Chinese University Press, Shatin.

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They should normally not exceed 6 typewritten pages, including tables and figures. They should be organized in the same order as a full length manuscript. It should have a Literature Cited section, but no other section headings.

Potpourri

This section is open to all contributions of interest to mycologists. The primary limitation is that no contribution may occupy more than one printed page. Contributions will not be submitted to referees, but they must appear to benefit subscribers. News, opinions and book reviews are some possible subjects.

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Contents

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-
- 19-25** Sunflower seed hulls for log system cultivation of *Schizophyllum commune*.
D. FIGLAS, R. GONZÁLEZ MATUTE, S. DELMASTRO AND N. CURVETTO

Schizophyllum commune is a wood-rotting cosmopolitan mushroom, which has been reported to be consumed in several regions. This species is also the source of schizophyllan, an important pharmaceutical extensively used for cancer treatment. The authors showed that supplemented sunflower seed hulls can be used as substrate for the cultivation of *S. commune*.

- 27-35** Submerged culture for production of ellagic acid from pomegranate husk by *Aspergillus niger* GH1. L. SEPÚLVEDA, J. J. BUENROSTRO-FIGUEROA, J. A. ASCACIO-VALDÉS, A. F. AGUILERA-CARBÓ, R. RODRÍGUEZ-HERRERA, J. C. CONTRERAS-ESQUIVEL AND C. N. AGUILAR

Ellagic acid has antioxidant properties and is well established as a hemostatic agent. The authors showed that it can be produced by *A. niger* using pomegranate husk powder in submerged culture. Substrate and pH were factors significantly affecting ellagic acid production.

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