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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. Royse 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.

Brief articles

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

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- 15-21** Effect of supplementing rice straw with water hyacinth on the yield and nutritional qualities of oyster mushrooms (*Pleurotus* spp.). S. BANDOPADHYAY

The water hyacinth is an aquatic weed causing ecological problems in many parts of the world. A mixture of water hyacinth and rice straw showed increased biological yield and no significant differences in comparative chemical analyses of basidiomata from several *Pleurotus* species.

- 23-33** Light, what it is and what it does for mycology. R. H. KURTZMAN, JR. AND D. MARTÍNEZ-CARRERA

Light is a fundamental factor for mushroom cultivation. This review shows the importance of having a real understanding of light and its theoretical basis. Most studies have only been done in model organisms. Most mushrooms require rather narrow bands (*ca.* 460 to 480 nm, blue light) of visible light, while the nutritional value of edible fungi can be improved by other narrow bands (*ca.* 275 to 300 nm). LED lamps of narrow bandwidths can be specifically designed for mushroom production, saving energy and costs.

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