

## **AGARICUS SILVICOLA, A NEW RECORD FROM PAKISTAN**

**ABDUL RAZAQ AND SALEEM SHAHZAD**

*Pest & Disease Research Lab., Department of Agriculture,  
University of Karachi, Karachi-75270, Pakistan.*

### **Abstract**

*Agaricus silvicola* is being reported for the first time from Gilgit valley, Pakistan. This edible species is characterized by the production of scales on fruiting body. Spores are 6-8x4-5µm, ellipsoid and smooth.

During the study on Macrofungi of Gilgit valley, Pakistan in summer 2005, the specimens were collected from Dashkin, District Astore Gilgit, (alt 2578m, N=35 °40, E=74 °50), growing on the fallen leaves of plants. On the basis of microscopic examination, it was identified as *Agaricus silvicola* (Fig. 1) after reference to Sultan Ahmad (1997), Demoulin & Marriot (1981), Buczacki (1989) and Surcek (1988).

Cap 6-8 cm wide, first convex then expanded with white fibrous scales. Gills greyish pink when young, then grey-brown and become chocolate brown with age. Stipe 8-10cm long, 1-2cm thick, cylindrical, bulbous at the base and rings are attached with stipe. Edible, pleasant taste and reminiscent smell. Flesh yellowish. Spores 6-8x4-5µm, ellipsoid, smooth, brown.

*A. silvicola* differs from *A. abruptibulbus* in having a thin-fleshed, cream-white cap. Flesh of *A. abruptibulbus* turn brown to black with age, and the spores are smaller (5-6x3-4µm). *A. macrocarpus* has a stipe only slightly thickened at the base, and a fleshy cap up to 15cm wide. It appears to be a new record not litter to reported for Pakistan.

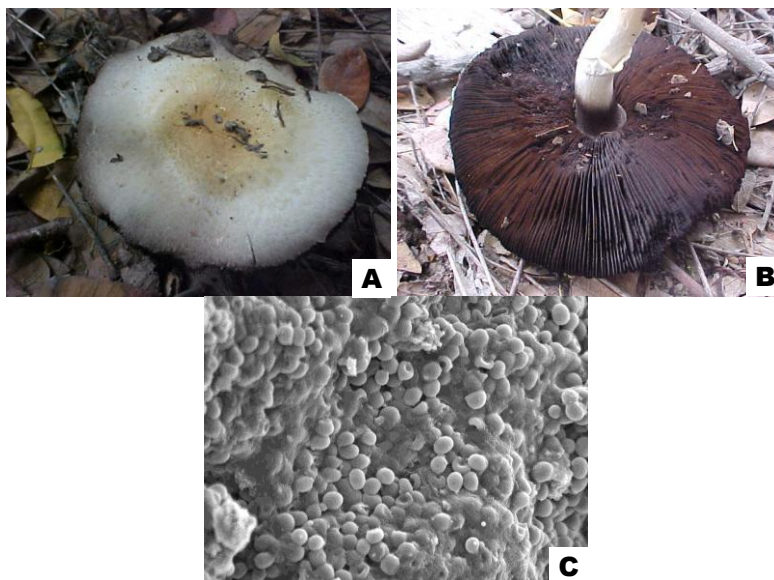


Fig 1. A and B fruiting body of *Agaricus silvicola*. A= Uper surface, B= Gills, C= Basidiospore.

**Reference**

- Ahmad, S., S.H. Iqbal and A.N. Khalid. 1997. *Fungi of Pakistan*. Sultan Ahmad Mycological society of Pakistan, Department of Botany, University of Punjab, Quaid-e-Azam Campus, Lahore 54590, Pakistan, 248 pp.
- Buczacki, S. 1989. *Fungi of Great Britain and Europe*. Collins New Generation Guide. 320pp.
- Demoulin, V. and J.V.R. Marriott. 1981. Key to the Gasteromycetes of Great Britain. *Bull. Mycol. Soc.*, 15(1): 37-43.
- Mirza, J.H. and M.A.R. Qureshi. 1978. *Fungi of Pakistan* Department of Plant Pathology, University of Agriculture, Faisalabad, Pakistan.
- Surcek, M. 1988. *The illustrated book of Mushrooms and Fungi*. Octopus Book, London. 311pp.

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