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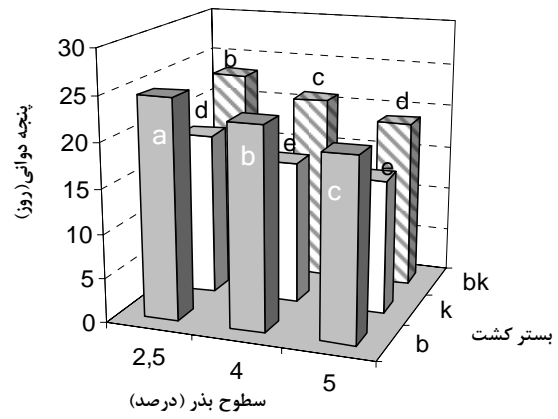
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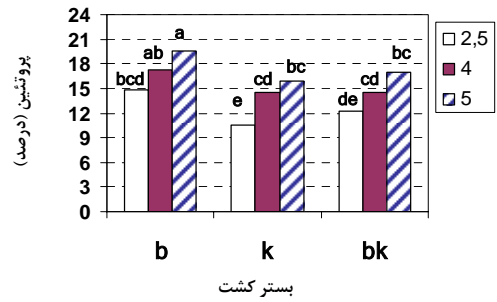
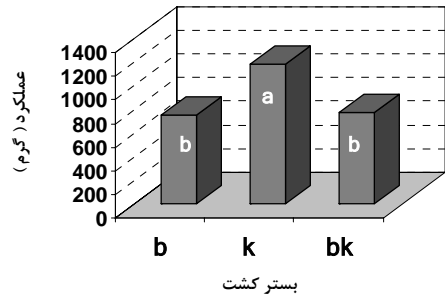
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## REFERENCES

1. Akindahunsi, A. A., & F.L. Oyetayo. 2006. Nutrient and antinutrient distribution of edible mushroom, *Pleurotus tuber-regium* (fries) singer. LWT 39 :548-553.
2. Ergün, B., H. Peker, M. K. Yalinkilic, & A. Temiz. 2003. Cultivation of oyster mushroom on waste paper with some added supplementary materials. Journal Bioresource Technology 89:95-97.
3. Robert, B., D. Royse, & N. Chikthimmah. 2003. Bioactive components in *Agaricus bisporus* (J.LGE) imbach of nutritional, medicinal, or biological importance. The pennsylvania state university park, PA 16802, USA.
4. Curvetto, N.R., D. Figlas , R. Devalis, & S. Delmastro. 2002. Growth and productivity of different *Pleurotus ostreatus* strains on sunflower seed hulls supplemented with N-NH<sub>4</sub> and / or Mn (2). Bioresource Technology 84:171-176.
5. Delmas, J. & M Mamoun. 1983. *Pleurotus cornucopiae* a mushroom which can now be grown in France. Rev Horticulture 240:39-49.
6. Ancona Mendez, L., C. A. Sandoval Castro, R. Belmar Casso, & C. A. Capetillo Leal. 2005. Effect of substrate and harvest on the amino acid profile of Oyster mushroom (*Pleurotus ostreatus*). Journal of Food Composition and Analysis 18 :447-450.
7. Harada, A., Y. Shoz, D. Shuichi, & A. Masakazu. 2003. Changes in contents of free amino acids and soluble carbohydrates during fruit-body development of *Hypsizygus marmoreus*. Food Chemistry 83:343-347.
8. Jandaik, C.L. & J.N. Kapoor. 1976. Studies on the cultivation of *Pleurotus sajor-caju* (Fr) Sing. Mush Sci. 9(1):667-72.

9. Erbil, K. & S. Sargin. 2004. Cultivation of two *Pleurotus* species on wheat straw substrates containing olive mill waste water. *Journal International Biodeterioration and Biodegradation* 53 :43-47.
10. Kashi, A.,1996. *Edible Mushroom Cultivation*. Agriculture Education Press,pp:454
11. Labuschagne, P.M., A. Eicker, T.A.S. Aveling, S.d. Meillon, & M.F. Smith. 2000. Influence of wheat cultivars on straw quality and *Pleurotus ostreatus* cultivation. *Journal Bioresource Technology* 71:71-75.
12. Leong, P.C. 1999. *Cultivation of Pleurotus mushrooms on cotton waste substrate in singapore tropical mushroom*; Hong kong: The Chinese University press: 349-361.
13. Manzi, P., L. Gambelli, S. Marconi, & V. Vivanti. 1999. Nutrients in edible mushrooms: an inter-species comparative study. *Food Chemistry* 65:477-482.
14. Mohammadi Goltapeh, E. & E.Purjam. 2003. *Principles of Mushroom Cultivation*. Tarbiat Modarres University Press, pp: 604.
15. Ruihong, Z., L.i. Xiujin, & J.G. Fadel. 2002. Oyster mushroom cultivation with rice and wheat straw. *Journal Bioresource Technology* 82 :277-284.
16. Shah, Z.A., M. Ashraf & M.Ishtiaq.2004. Comparative study on cultivation and yield performance of oyster mushroom (*Pleurotus ostreatus*) on different substrates (wheat straw, leaves, saw dust). *Pakistan Journal of Nutrition*. 3(3):158-160.
17. Shashirekha, M. N., S . Rajarathnam, & Z. Bano. 2005. Effects of supplementing rice straw growth substrate with cotton seeds on the analytical characteristics of the mushroom, *Pleurotus florida* (Block and Tsao). *Journal Food chemistry* 92 :255-259.
18. Shashirekha, M.N. ,S. Rajarathnam, & Z. Bano. 2002. Enhancement of bioconversion efficiency and chemistry of the mushroom, *Pleurotus sajor-caju* (Berk and Br) Sacc.produced on spent rice straw substrate, supplemented with oil seed cakes. *Food Chemistry* 76 :27-31.
19. Wang, D., A. Sakoda, & M. Suzuki. 2001. Biological efficiency and nutritional value of *Pleurotus ostreatus* cultivated on spent beer grain.*Bioresource Technology* 78: 293-300.
20. Yıldız, S., u. C. Yıldız, E. D. Gezer, & A. Temiz. 2002. Some lignocellulosic wastes used as raw material in cultivation of the *Pleurotus ostreatus* culture mushroom. *Process Biochemistry* 38 :301-306.
21. Yildiz, A., M. Karakaplan, & F.Aydin. 1998. Studies on *Pleurotus ostreatus* (Jacq. Ex Fr) Kum. Var. salignus (Pers. Ex Fr.) Konr. Et Maubl:cultivation, proximate composition, organic and mineral composition of carpophores. *Food Chemistry*, vol.61:127-130.
22. Ruihong, Z., L.i. Xiujin, & J.G. Fadel. 2002. Oyster mushroom cultivation with rice and wheat straw. *Journal Bioresource Technology* 82:277-284.