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Oyster Mushroom

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1. Pleurotus ostreatus. I. Title
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Search Strategy

SET DESCRIPTION

1	PLEUROTUS
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3	MUSHROOM
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6	#4 and (LA=ENGLISH)

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1.
NAL Call No.: QD415.F4
A 13C [carbon isotope] nuclear magnetic resonance study of a gel-forming branched (1 to 3)-beta-D-glucan, A3, from Pleurotus ostreatus (Fr.) Quel. [an edible mushroom]: determination of side-chains and conformation of the polymer-chain in relation to gell-structure
Saito, H.; Ohki, T.; Yoshioka, Y.; Fukuoka, F. FEBS-Lett-Fed-Eur-Biochem-Soc, Sept 15, 1976, 68 (1): 15-18. Ref.

2.
NAL Call No.: 41.8-R312
Ability of the fungus Pleurotus pulmonarius to immobilise preparasitic nematode larvae.
Larsen, M. Res-Vet-Sci v.51(3): p.246-249. (1991 Nov.)
First of a series.
Descriptors: ostertagia-ostertagi; cooperia-oncophora; cyathostoma-; oesophagostomum-quadrispinulatum; pleurotus-; nematicidal-properties; nematode-larvae; immobilization-; in-vitro; cuticle-; animal-parasitic-nematodes

Abstract: In vitro experiments showed that the oyster mushroom Pleurotus pulmonarius exerts a strong immobilising effect on preinfective larvae of the animal parasitic nematodes Ostertagia ostertagi, Cooperia oncophora, Oesophagostomum quadrispinulatum and Cyathostoma species. Infective stages of the same species seemed less vulnerable to fungal attack, possibly because they are protected by their outer cuticle.

3.
NAL Call No.: 99.9-J2793
Acceleration of fruiting-body formation by edible mushrooms with sulfite waste components from soft- and hardwood cooking Pleurotus ostreatus, Flammulina velutipes, sawdust medium.
Inaba, K.; Iizuka, Y.; Koshijima, T. Mokuzai-Gakkaishi-Jap-Wood-Res-Soc. Tokyo, The Society. Mar 1982. v. 28 (3) p. 169-173. ill.
Includes 5 ref.

4.

NAL Call No.: TD930.A32
Acceptability and nutritive evaluation of Pleurotus harvested spent wheat straw in buffaloes.
Bakshi, M. P. S.; Gupta, V. K.; Langar, P. N. Agric-Wastes v.13(1): p.51-57. ill. (1985)
Includes references.
Descriptors: buffalo-feeding; nutritive-value; wheat-straw; pleurotus-

5.
NAL Call No.: 464.8-IN2
Amino acid composition and protein distribution in Pleurotus cystidiosus [Edible mushrooms].
Misra, P. S.; Uddin, S.; Gupta, S.; Pathak, N. C. Indian-Phytopathol v.36(2): p.288-290. (1983 June)
Includes references.

6.
NAL Call No.: SB353.M8
Amino acid composition of mushroom Pleurotus sajor-caju (Fr.) Singer
Jandaik, C. L.; Kapoor, J. N. Mushroom-J, May 1976, 41: 154-156. Ref.
Descriptors: India-

7.
NAL Call No.: TD930.A32
Amino acid composition of the Mushroom, Pleurotus sajor-caju, cultivated on different agroresidues.
Bisaria, R.; Madan, M.; Bisaria, V. S.; Mukhopadhyay, S. N. Biol-Wastes v.20(4): p.251-259. (1987)
Includes references.
Descriptors: pleurotus-sajor-caju; residues-; amino-acids; biological-value; plant-analysis; proteins-

8.
NAL Call No.: SB353.M8
Artificial cultivation of Pleurotus sajor-caju (Fr.) Sing er
Jandaik, C. L. Mushroom-J, Oct 1974, 22: 405.

9.
NAL Call No.: 448.3-C332
The balance of nitrogen and composition of proteins in Pleurotus ostreatus [fungi] grown on natural substrates
Ginterova, A.; Maxianova, A. Folia-Microbiol, 1975, 20 (3): 246-250.

10.
NAL Call No.: QR1.M562
Bioconversion of sugar cane crop residues with white-rot fungi Pleurotus sp.
Ortega, G. M.; Martinez, E. O.; Betancourt, D.; Gonzalez, A. E.; Otero, M. A. World-J-Microbiol-Biotechnol. Oxford : Rapid Communications of Oxford Ltd. with UNESCO. July 1992. v. 8 (4) p. 402-405.
Includes references.
Descriptors: sugarcane-trash; fermentation-; microbial-degradation; crop-residues; pleurotus-sajor-caju; pleurotus-ostreatus; pleurotus-; lignin-; cellulose-; digestion-; feeds-; mushrooms-; chemical-composition; pleurotus-pulmonarius; solid-state-fermentation

11.
NAL Call No.: QH442.J69
Biodegradation of lignocellulosic agricultural wastes by Pleurotus ostreatus.
Hadar, Y.; Kerem, Z.; Gorodecki, B. J-Biotechnol v.30(1): p.133-139. (1993 July)
In the special issue: Lignin biodegradation and practical utilization / edited by C.V. Bruschi. Proceedings of the ICGEB Colloquium, June 27-30, 1990, Trieste, Italy.
Descriptors: pleurotus-ostreatus; microbial-degradation; lignocellulose-; gossypium-hirsutum; stems-; crop-residues; digestibility-; lignin-; microbial-degradation; ruminant-feeding

12.
NAL Call No.: TD930.A32
Biological efficiency and nutritive value of Pleurotus sajor-caju cultivated on different agro-wastes.
Bisaria, R.; Madan, M.; Bisaria, V. S. Biol-Wastes v.19(4): p.239-255. (1987)
Includes references.
Descriptors: pleurotus-sajor-caju; agricultural-wastes; plant-residues; waste-utilization; nutritive-value; lignocellulose-; plant-nutrition; plant-analysis; energy-recovery; india-

13.
NAL Call No.: QR1.E9
Biosynthesis of flavor compounds by microorganisms. 4. Characterization of the major principles of the odor of Pleurotus euosmus [Food industry].
Drawert, F.; Berger, R. G.; Neuhauser, K. Eur-J-Appl-Microbiol-Biotech v.18(2): p.124-127. ill. (1983)
Includes references.

14.
NAL Call No.: QH345.A1P73
Biosynthesis of group B vitamins by the fungus Pleurotus ostreatus in submerged culture.
Solomko, E. F.; Eliseeva, G. S. Appl-Biochem-Microbiol v.24(2): p.136-140. (1988 Sept.)
Translated from: Prikladnaia biokhimiia i mikrobiologiia, v. 24 (2), 1988, p. 164-169. (385 P93).
Descriptors: pleurotus-ostreatus; vitamin-b-complex; culture-media; biosynthesis-

15.
NAL Call No.: QR53.B56
Cellulolytic enzymes from an edible mushroom, Pleurotus sajor-caju.
Madan, M.; Bisaria, R. Biotechnol-Lett v.5(9): p.601-604. ill. (1983 Sept.)
Includes references.

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16.
NAL Call No.: QK600.C7
Changes in the protein fractions and crude fiber content of Pleurotus ostreatus and Stropharia rugosoannulata Fungi during the development.
Vetter, J.; Rimoczi, I. Cryptogam-Mycol. Paris, Laboratoire de cryptogamie, Museum national d'histoire naturelle. 1981. v. 2 (2) p. 107-117. ill.
8 ref.

17.
NAL Call No.: 80-M972
Characteristics of some Pleurotus ostreatus strains from Florida, their practical and taxonomical importance.
Li, S. F.; Eger, G.; International Congress on the Science and Cultivation of Edible Fungi, 1. F. 1. Mushroom-Sci. Peterborough, Eng., International Society for Mushroom Science. 1979. v. 10 (pt.1) p. 155-169. ill.
16 ref.
Descriptors: Florida-

18.
NAL Call No.: 448.8-J8236
Characterization of allergens from spores of the oyster mushroom, Pleurotus ostreatus.

Horner, W. E.; Ibanez, M. D.; Liengswangwong, V.; Salvaggio, J. E.; Lehrer, S. B. J-Allergy-Clin-Immunol-Off-Publ-Am-Acad-Allergy. St. Louis, Mo. : C.V. Mosby Company. Dec 1988. v. 82 (6) p. 978-986.
Includes references.
Descriptors: pleurotus-ostreatus; spores-; allergens-; plant-extracts; gel-filtration; allergies-

19.
NAL Call No.: QP141.A1B7
Chemical composition of cultivated mushrooms. II. Pleurotus ostreatus Fr. ex Jacquin and its variety Pleurotus florida Eger. Sklad chemiczny grzybow uprawowych. II. Boczniak ostrygowaty (Pleurotus ostreatus Fr. ex Jacquin) i jego odmiana florydzka (P. florida Eger). Sklad chemiczny grzybow uprawowych. II. Boczniak ostrygowaty (Pleurotus ostreatus Fr. ex Jacquin) i jego odmiana florydzka (P. florida Eger).
Lasota, W.; Sylwestrzak, J. Bromatol-Chem-Toksykol. Warszawa, Panstwowy Zaklad Wydawn. Lekarskich. 1982. v. 15 (1/2) p. 1-10. ill.
30 ref.

20.
NAL Call No.: QR115.F66
Chemical composition of Pleurotus ostreatus mycelial biomass.
Manu Tawiah, W.; Martin, A. M. Food-Microbiol v.4(4): p.303-310. (1987 Sept.)
Includes references.
Descriptors: pleurotus-ostreatus; mycelium-; biomass-; chemical-composition; food-analysis

21.
NAL Call No.: 448.3-AP5
Chemical composition of the edible mushroom Pleurotus ostreatus produced by fermentation.
Hadar, Y.; Cohen Arazi, E. Applied-Environ-Microbiol v.51(6): p.1352-1354. ill. (1986 June)
Includes 22 references.
Descriptors: pleurotus-ostreatus; chemical-composition; fermentation-; biomass-accumulation; culture-methods; submerged-liquid-culture

22.
NAL Call No.: 450-F55
Chemistry of Pleurotus cystidiosus and Pleurotus eous [Edible mushrooms].
Prakash, D.; Gupta, S.; Misra, P. S. Fitoterapia v.53(5/6): p.170-173. (1982)
Includes references.

23.
NAL Call No.: RM214.N8
Cholesterol-lowering effect of the mushroom Pleurotus ostreatus in hereditary hypercholesterolemic rats.
Bobek, P.; Ginter, E.; Jurcovicova, M.; Kuniak, L. Ann-Nutr-Metab. Basel : S. Karger. 1991. v. 35 (4) p. 191-195.
Includes references.
Descriptors: diet-; mushrooms-; pleurotus-ostreatus; liver-; lipoproteins-; blood-serum; cholesterol-; rats-

Abstract: We studied the effect of the edible mushroom Pleurotus ostreatus (4% in diet containing 1% of cholesterol) on serum and liver lipids in female rats with hereditary enhanced sensitivity to alimentary cholesterol. We found that the consumption of the mushroom-containing diet prevented serum cholesterol increase which was manifested at the end of the 4th week of the experiment. At the end of the 7th week of the experiment the cholesterolemia was lowered by almost 40% as compared with control animals kept on the same diet but without the mushroom. The decrease in serum cholesterol levels is a consequence of the decreased cholesterol concentrations of very-low-density lipoproteins and of low-density lipoproteins.

24.

NAL Call No.: QK608.I8M5
Cold storage of fresh mushrooms Pleurotus eryngii. Prove di conservazione allo stato fresco di Pleurotus eryngii (cardoncello). Prove di conservazione allo stato fresco di Pleurotus eryngii (cardoncello).
Massignan, L.; Lovino, V. S.; De Leo, P. Micol-Ital v.13(1): p.57-62. ill. (1984 Apr.)
Includes references.

25.
NAL Call No.: S3.A25
Comparative study on mycelium growth and increase in Pleurotus species.
Vetter, J. Acta-Agron-Hung v.36(1/2): p.3-10. (1987)
Includes references.
Descriptors: pleurotus-; edible-fungi; growth-; mycelium-; temperature-; thallus-

26.
NAL Call No.: QK600.E9
Comparison of polymorphism and phenetic variability as determined by the study of hydrolases and oxidoreductases in two cultivated mushrooms, Agaricus bisporus and Pleurotus cornucopiae.
Iracabal, B.; Labarere, J. Exp-Mycol v.17(2): p.90-102. (1993 June)
Includes references.
Descriptors: agaricus-bisporus; pleurotus-cornucopiae; enzyme-polymorphism; isoenzymes-; oxidoreductases-; hydro-lyases-; zymodemes-; strain-differences; zymograms-

27.
NAL Call No.: 381-Ar2
The complete amino acid sequences of two serine proteinase inhibitors from the fruiting bodies of a basidiomycete, Pleurotus ostreatus.
Dohmae, N.; Takio, K.; Tsumuraya, Y.; Hashimoto, Y. Arch-biochem-biophys v.316(1): p.498-506. (1995 Jan.)
Includes references.
Descriptors: pleurotus-ostreatus; serine-proteinases; proteinase-inhibitors; amino-acid-sequences; inhibition-; comparisons-; binding-site; molecular-sequence-data; sequence-alignment

Abstract: The complete amino acid sequences of two isomeric endogenous inhibitors, IA-1 and IA-2, both of which specifically inhibit an intracellular serine proteinase (proteinase A) purified from the fruiting bodies of a higher basidiomycete, Pleurotus ostreatus, were determined. Both inhibitors are acidic polypeptides with respective molecular masses of 8307 and 8244 Da, as determined by plasma desorption mass spectral analyses, and their N-terminal serine residue is blocked by acetylation. The fragments generated from the inhibitors by proteolytic and chemical cleavages were subjected to amino acid composition, sequence, and mass spectral analyses. The sequence and molecular mass information for the peptides established that the inhibitors both consisted of 76 amino acid residues and differed from each other in that aspartic acid and glutamic acid residues at residues 12 and 15 of IA-1 were replaced by glycine and aspartic acid in IA-2, respectively. The molecular masses of IA-1 and IA-2 were calculated to be 8309 and 8237, based on the sequence data. The action of carboxypeptidase Y on IA-1 resulted in a complete loss of the inhibitory activity along with successive release of glutamine and threonine from the C-terminus. Cyanogen bromide cleavage of Met38-Pro39 and Met41-Lys42 in IA-1 and hydroxylamine degradation of IA2 completely abolished their inhibitory activity. These results suggest that the whole molecules of both inhibitors are essential to their inhibitory activities. Their structural resemblance to propeptides of subtilisin family proteinases revealed their mechanism of action.

28.
NAL Call No.: 450-P5622
The composition of fresh and stored oyster mushrooms (Pleurotus ostreatus).
Hammond, J. B. W. Phytochemistry. Oxford, Pergamon Press. 1980. v. 19 (12) p. 2565-2568.
15 ref.

29.
NAL Call No.: 64.8-M41
Composition of nutrients in the sclerotium of the mushroom Pleurotus tuber regium.
Nwokolo, E. Qual-Plant-Plant-Foods-Human-Nutr. Dordrecht : Martinus Nijhoff/W. Junk Publishers. 1987. v. 37 (2) p. 133-139.
Includes references.
Descriptors: mushrooms-; melon-seeds; proximate-analysis; amino-acids; mineral-content; meat-analogs; nutritive-value; nigeria-

30.
NAL Call No.: TD930.A32
Composted cotton straw silage as a substrate for Pleurotus sp. cultivation.
Silanikove, N.; Danai, O.; Levanon, D. Biol-Wastes v.25(3): p.219-226. (1988)
Includes references.
Descriptors: pleurotus-; cultivation-; substrates-; agricultural-wastes; waste-utilization; cotton-waste; straw-; silage-; composting-; israel-

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31.
NAL Call No.: 450-J8212J
Content of vitamin B2 in cultivated strains of Agaricus bisporus (J.Lge) Imbach. and Pleurotus ostreatus (Fr.) Kumm.
Volodina, E. P.; Bis'ko, N. A. Ukr-Bot-Zh v.38(5): p.84-86. (1981)
Includes references.

32.
NAL Call No.: SB353.I57-1981
Cotton waste is a good substrate for cultivation of Pleurotus ostreatus, the oyster mushroom.
Tan, K. K. Proceedings of the Eleventh International Scientific Congress on the Cultivation of Edible Fungi, Australia, 1981 / edited by N.G. Nair, A.D. Clift. Sydney : [s.n.], 1981. v. 1 p. 705-710. ill.
Includes references.
Descriptors: pleurotus-ostreatus; cultivation-; substrates-; cotton-waste; chemical-composition; singapore-

33.
NAL Call No.: SB353.M8
A cultivated Pleurotus for use in forest and uncultivatable areas of the temperature zone
Agha, Z. U. D. Mushroom-J, Jan 1974, 13: 28.

34.
NAL Call No.: 450-F55
Cultivation and nutritive value of pink mushroom (Pleurotus eous).
Gupta, S.; Misra, P. S.; Pathak, N. C.; Singh, M. S. Fitoterapia v.53(3): p.57-61. ill. (1982)
Includes references.

35.
NAL Call No.: 450-F55
Cultivation and nutritive value of pink mushroom (Pleurotus eous).
Gupta, S.; Misra, P. S.; Pathak, N. C.; Singh, M. S. Fitoterapia v.53(3): p.57-61. ill. (1982)
Includes references.

36.
NAL Call No.: 22-IN283
Cultivation of mushroom in northeastern hills region India, Agaricus bisporus, Pleurotus spp., Volvariella volvacea.
Verma, R. N. Indian-Farming v.33(1): p.22-25. ill. (1983 Apr.)
Descriptors: India-

37.
NAL Call No.: 389.8-IN25
The cultivation of mushroom (Pleurotus flavellatus) on paddy straw packed in polyethylene bags with vents at room temperature
Bano, Z.; Nagaraja, N. Indian-Food-Pack, July/Aug 1976, 30 (4): 52-54.

38.
NAL Call No.: 22-IN283
Cultivation of oyster mushroom in Kalimpong region [Pleurotus sajor kaju, India].
Chakrabarti, N. Indian-Farming v.34(2): p.21-22. ill. (1984 May)
Descriptors: India-

39.
NAL Call No.: 22-IN283
Cultivation of oyster mushroom in Kalimpong region [Pleurotus sajor kaju, India].
Chakrabarti, N. Indian-Farming v.34(2): p.21-22. ill. (1984 May)
Descriptors: India-

40.
NAL Call No.: 99.9-AS12S
The cultivation of oyster mushroom (Pleurotus ostreatus) in saw-dust deprived from Abies, Larix, Quercus species treated in washing-heaping and heaping methods.
Takizawa, N.; Oda, K.; Shida, H. Rinsan-Shikenjo-Geppo-J-Hokkaido-For-Prod-Res-Inst. Asahigawa, Hokkaido-ritsu Rinsan Shikenjo July 1978. (7) p. 16-18. ill.
2 ref.

41.
NAL Call No.: SB353.I57-1981
Cultivation of oyster mushroom (Pleurotus spp.) on cotton boll locules.
Khan, S. M.; Ali, M. A. Proceedings of the Eleventh International Scientific Congress on the Cultivation of Edible Fungi, Australia, 1981 / edited by N.G. Nair, A.D. Clift. Sydney : [s.n.], 1981. v. 1 p. 691-695. ill.
Includes references.
Descriptors: pleurotus-; cultivation-; yields-; substrates-; cotton-; boll-; nests-; pakistan-

42.
NAL Call No.: QR1.M562
Cultivation of Pleurotus florida mushroom on rice straw and biogas production from the spent straw.
Mehta, V.; Gupta, J. K.; Kaushal, S. C. World-J-Microbiol-Biotechnol. Oxford : Rapid Communications of Oxford Ltd. with UNESCO. Dec 1990. v. 6 (4) p. 366-370.
Includes references.
Descriptors: pleurotus-florida; rice-straw; growing-media; chemical-composition; methane-; biogas-; yields-; india-

43.
NAL Call No.: SB299.P3D4
Cultivation of Pleurotus mushrooms on aspen wood shavings with cheese whey supplementation.
Li Shing Tat, B.; Jelen, P. Dev-Crop-Sci. Amsterdam : Elsevier Scientific Pub. Co. 1987. v. 10 p. 545-

554. ill.
In the series analytic: Cultivating edible fungi / edited by P.J. Wuest, D.J. Royse and R.B. Beelman. Proceedings of an International Symposium, July 15-17, 1986, University Park, Pennsylvania.
Descriptors: pleurotus-ostreatus; cultivation-methods; substrates-; populus-; wood-shavings; whey-; supplements-; crop-yield; mushrooms-; quality-

44.
NAL Call No.: TD930.A32
Cultivation of Pleurotus ostreatus (Jacq.) Fr. by utilising Lantana camara and waste paper.
Bisht, N. S.; Harsh, N. S. K. Agric-Wastes v.11(2): p.99-103. ill. (1984)
Includes references.
Descriptors: pleurotus-ostreatus; paper-; wastes-; lantana-camara; cultivation-

45.
NAL Call No.: QK600.B7
Cultivation of Pleurotus ostreatus on used tea leaves [Edible fungi].
Bisht, N. S.; Harsh, N. S. K. Bull-Br-Mycol-Soc v.17(pt.1): p.51-52. (1983 Apr.)
Includes references.

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46.
NAL Call No.: QK600.B7
Cultivation of Pleurotus ostreatus on used tea leaves [Edible fungi].
Bisht, N. S.; Harsh, N. S. K. Bull-Br-Mycol-Soc v.17(pt.1): p.51-52. (1983 Apr.)
Includes references.

47.
NAL Call No.: 99.9-UT72
Cultivation of Pleurotus ostreatus with leaves medium Mushroom culture.
Idei, T.; Yoshizawa, N. Bull-Utsunomiya-Univ-For (18): p.33-44. ill. (1982 Mar.)
Includes references.

48.
NAL Call No.: SB353.I57-1981
Cultivation of Pleurotus sajor caju (Fr.) Sing. mushroom.
Singh, R. P. Proceedings of the Eleventh International Scientific Congress on the Cultivation of Edible Fungi, Australia, 1981 / edited by N.G. Nair, A.D. Clift. Sydney : [s.n.], 1981. v. 1 p. 667-673.
Includes references.
Descriptors: pleurotus-sajor-caju; cultivation-methods; yields-; uttar-pradesh

49.
NAL Call No.: TD930.A32
Cultivation of Pleurotus sajor-caju on different wastes.
Madan, M.; Vasudevan, P.; Sharma, S. Biol-Wastes v.22(4): p.241-250. ill. (1987)
Includes references.
Descriptors: pleurotus-sajor-caju; mushroom-compost; morus-alba; ricinus-communis; leaves-; stems-; protein-content; crop-yield; cultivation-methods

50.
NAL Call No.: 464.8-IN2

Cultivation of Pleurotus sajor-caju on wood logs Edible mushroom fungus, best results obtained on logs of Mangifera indica (mangoes) and Artocarpus lakoocha.
Chakravarty, D. K.; Sarkar, B. B. Indian-Phytopathol v.35(2): p.291-292. ill. (1982 June)
3 ref.

51.
NAL Call No.: 500-OK42
Cultivation of Pleurotus tuber-regium (Fr) Sing on various farm wastes.
Okhuoya, J. A.; Okogbo, F. O. Proc-Okla-Acad-Sci. Oklahoma City, Okla. : The Academy. 1991. v. 71 p. 1-3.
Includes references.
Descriptors: pleurotus-tuber-regium; agricultural-wastes; crop-yield; greenhouse-culture; substrates-; corticium-rolfsii; fungi-; insect-pests; plant-parasitic-nematodes; weeds-; nigeria-

52.
NAL Call No.: SB299.P3D4
The cultivation of the oyster mushroom (Pleurotus ostreatus) in Italy.
Lanzi, G. Dev-Crop-Sci. Amsterdam : Elsevier Scientific Pub. Co. 1987. v. 10 p. 443-447.
In the series analytic: Cultivating edible fungi / edited by P.J. Wuest, D.J. Royse and R.B. Beelman. Proceedings of an International Symposium, July 15-17, 1986, University Park, Pennsylvania.
Descriptors: pleurotus-ostreatus; cultivation-methods; crop-yield; italy-

53.
NAL Call No.: SB353.I57-1981
Cultivation of the oyster mushroom, Pleurotus ostreatus, on cotton waste.
Tan, K. K. Proceedings of the Eleventh International Scientific Congress on the Cultivation of Edible Fungi, Australia, 1981 / edited by N.G. Nair, A.D. Clift. Sydney : [s.n.], 1981. v. 1 p. 697-703.
Includes references.
Descriptors: pleurotus-ostreatus; cultivation-; yields-; substrates-; cotton-waste; singapore-

54.
NAL Call No.: 382-SO12
Cultivation of the oyster mushroom (Pleurotus ostreatus) on lignocellulosic waste.
Pettipher, G. L. J-Sci-Food-Agric v.41(3): p.259-265. ill. (1987)
Includes references.
Descriptors: pleurotus-ostreatus; cultivation-; waste-utilization; lignocellulose-

55.
NAL Call No.: SB353.M8
Cultivation trials of Pleurotus fossulatus edible fungi.
Puri, Y. N.; Rehill, P. S.; Singh, B. Mushroom-J. London, Mushroom Growers' Association. June 1981. (102) p. 209, 211-214. ill.
12 ref.

56.
NAL Call No.: 80-M972
Culture of Pleurotus ostreatus (Jacq.) Quel. on Populus and Salix wood: practical applications and contingent risks of hemiparasite diffusion. Culture de Pleurotus ostreatus (Jacq.) Quel. sur du bois de salicacees: applications pratiques et risques eventuels de diffusion hemiparasitaire. Culture de Pleurotus ostreatus (Jacq.) Quel. sur du bois de salicacees: applications pratiques et risques eventuels de diffusion hemiparasitaire.
Anselmi, N.; Deandrea, G.; International Congress on the Science and Cultivation of Edible Fungi, 1. F. 1. Mushroom-Sci. Peterborough, Eng., International Society for Mushroom Science. 1979. v. 10 (pt.2) p. 451-461. ill.
8 ref.

57.
NAL Call No.: TP1.J686
Degradation of rice straw by Pleurotus flabellatus.
Rajarathnam, S.; Wankhede, D. B.; Bano, Z. J-Chem-Technol-Biotechnol v.37(3): p.203-214. (1987)
Includes references.
Descriptors: rice-straw; pleurotus-flabellatus; lignin-; degradation-; nutritive-value; waste-utilization; feeds-; sugars-; amino-acids; laccase-; proteases-

58.
NAL Call No.: QR1.M562
Degradation of tannins in spent coffee grounds by Pleurotus sajor-caju.
Wong, Y. S.; Wang, X. World-J-Microbiol-Biotechnol. Oxford : Rapid Communications of Oxford Ltd. with UNESCO. Sept 1991. v. 7 (5) p. 573-574.
Includes references.
Descriptors: pleurotus-sajor-caju; tannins-; microbial-degradation; coffee-; instant-coffee; coffee-industry; industrial-wastes; feeds-; metabolic-detoxification

59.
NAL Call No.: 448.3-AP5
Delignification of wheat straw by Pleurotus spp. under mushroom-growing conditions.
Tsang, L. J.; Reid, I. D.; Coxworth, E. C. Applied-Environ-Microbiol v.53(6): p.1304-1306. (1987 June)
Includes references.
Descriptors: pleurotus-; wheat-straw; lignin-; cellulose-; hemicellulose-; crop-yield; cellulase-; digestibility-; residues-; degradation-

60.
NAL Call No.: 470-C16C
Destruction of nematodes by species of Pleurotus.
Barron, G. L.; Thorn, R. G. Can-J-Bot-J-Can-Bot v.65(4): p.774-778. ill. (1987 Apr.)
Includes references.
Descriptors: pleurotus-ostreatus; hyphae-; biology-; pleurotus-; species-; nematode-control; biological-control-organisms

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61.
NAL Call No.: 105.1-G344
Diseases and their control--possibilities after ten years Pleurotus culture in Belgium.
Poppe, J.; Welvaert, W.; Both, G. d. Meded-Fac-Landbouwwet-Rijksuniv v.50(3b): p.1097-1108. (1985)
Includes references.
Descriptors: pleurotus-; fungal-diseases; plant-disease-control

62.
NAL Call No.: 1.9-P69P
Dry bubble of oyster mushroom caused by Verticillium fungicola Pleurotus ostreatus.
Marlowe, A.; Romaine, C. P. Plant-Dis. St. Paul, Minn., American Phytopathological Society. Sept 1982. v. 66 (9) p. 859-860. ill.
20 ref.

63.
NAL Call No.: 26-T754

Earthworm cast as a substitute for wheat supplementation in the growth of tropical edible mushroom, Pleurotus sajor-caju.
Dash, M. C.; Das, A. K. Trop-Agric v.66(2): p.179-180. (1989 Apr.)
Includes references.
Descriptors: pleurotus-sajor-caju; rice-straw; soil-amendments; worm-casts; crop-yield; cellulose-digestion; orissa-

64.
NAL Call No.: 99.9-J2793
Effect of addition of rice-bran in saw-dust medium on edible mushroom cultivation Pleurotus ostreatus, Agrocybe cylindracea, Lentinus edodes.
Kiyomizu, Y.; Kondo, T. Mokuzai-Gakkai-J-Jap-Wood-Res-Soc. Tokyo, The Society. Jan 1981. v. 27 (1) p. 54-58. ill.
9 ref.

65.
NAL Call No.: 464.8-IN2
Effect of carbon and nitrogen nutrition on growth of Pleurotus sajor-caju [Edible mushroom]
Jandaik, C. L.; Kapoor, J. N. Indian-Phytopathol, Sept 1976 (Pub. 1977), 29 (3): 326-327.

66.
NAL Call No.: 22-M262
Effect of cultivation methods on sporophore production of Pleurotus sajor-caju (Fr.) Singer [Mushroom, yield].
Sivaprakasam, K.; Kandaswamy, T. K. Madras-Agric-J. Coimbatore : K.K. Mathan. Oct 1982. v. 69 (10) p. 681-683.
Includes references.

67.
NAL Call No.: 22-M262
Effect of cultivation methods on sporophore production of Pleurotus sajor-caju (Fr.) Singer [Mushroom, yield].
Sivaprakasam, K.; Kandaswamy, T. K. Madras-Agric-J. Coimbatore : K.K. Mathan. Oct 1982. v. 69 (10) p. 681-683.
Includes references.

68.
NAL Call No.: QR1.M562
Effect of lignin-derived phenolic monomers on the growth of the edible mushrooms Lentinus edodes, Pleurotus sajor-caju and Volvariella volvacea.
Cai, Y. J.; Buswell, J. A.; Chang, S. T. World-j-microbiol-biotechnol v.9(5): p.503-507. (1993 Sept.)
Includes references.
Descriptors: lentinula-edodes; pleurotus-sajor-caju; volvariella-volvacea; agricultural-wastes; lignin-; phenols-; tannins-; growth-; inhibition-

69.
NAL Call No.: 22-M262
Effect of storage and age of spawn on the yield of Pleurotus sajor-caju.
Sivaprakasam, K. Madras-Agric-J. Coimbatore : R. Jayarajan. Oct 1983. v. 70 (10) p. 690-691.
Includes 4 references.
Descriptors: pleurotus-sajor-caju; crop-yield; storage-; age-; spawn-

70.
NAL Call No.: TD930.A32
Effect of variation in size of containers on yield of Pleurotus sajor-caju.
Bisaria, R.; Madan, M.; Vasudevan, P.; Bisaria, V. S. Biol-Wastes v.30(2): p.149-152. (1989)

Includes references.
Descriptors: pleurotus-sajor-caju; container-grown-plants; containers-; size-; crop-yield; cultivation-

71.
NAL Call No.: 49-W89
Effect of wheat straw upgraded by Pleurotus ostreatus on rumen fermentation and fattening performance of steers.
Henics, Z. World-Rev-Anim-Prod v.23(4): p.55-60, 7. (1987 Oct.-1987 Dec.)
Includes references.
Descriptors: steers-; cattle-fattening; wheat-straw; pleurotus-ostreatus; rumen-fermentation; fattening-performance; hungary-

72.
NAL Call No.: QK600.H3
The effects of the quantities of rice straw substrates and spawn on the yield of oyster mushroom Pleurotus ostreatus.
Park, Y. H.; Chang, H. G.; Ko, S. J. Hang'guk-Kyunhakoe-Chi-Korean-J-Mycol. Seoul, Korean Society of Mycology. June 1977. v. 5 (1) p. 1-5. ill.
13 ref.

73.
NAL Call No.: TD930.A32
Enzymology of ligno-cellulose degradation by Pleurotus sajor-caju during growth on paper-mill sludge.
Kannan, K.; Oblisami, G.; Loganathan, B. G. Biol-Wastes v.33(1): p.1-8. (1990)
Includes references.
Descriptors: paper-mill-sludge; lignin-; cellulose-; degradation-; pleurotus-sajor-caju; enzymology-; enzyme-activity

74.
NAL Call No.: 464.8-IN2
Experimental cultivation of Pleurotus ostreatus white form in Jammu
Kaul, T. N.; Janardhanan, K. K. Indian-Phytopathol, Sept 1970, 23 (3): 578-580.

75.
NAL Call No.: TD930.A32
Fine structure and mechanical properties of straw filaments invaded by Pleurotus ostreatus.
Schiesser, A.; Filippi, C.; Totani, G.; Lepidi, A. A. Biol-Wastes v.27(2): p.87-100. (1989)
Includes references.
Descriptors: agricultural-wastes; wheat-; straw-; waste-treatment; biodegradation-; transmission-electron-microscopy; scanning-electron-microscopy; mechanical-properties; structure-; lignocellulose-; degradation-

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76.
NAL Call No.: 80-M972
First experiments on the processing of Pleurotus ostreatus stipes for human consumption Lactic acid fermentation.
Schmitz, H.; International Congress on the Science and Cultivation of Edible Fungi, 1. F. 1. Mushroom-Sci. Peterborough, Eng., International Society for Mushroom Science. 1979. v. 10 (pt.2) p. 705-713. ill.

6 ref.

77.
NAL Call No.: TP368.C3
Food processing potential of the oyster mushroom (Pleurotus florida).
Oddson, L.; Jelen, P. J-Can-Inst-Food-Sci-Technol. Toronto, Pergamon Press. Jan 1981. v. 14 (1) p. 36-41. ill.
22 ref.

78.
NAL Call No.: 448.3-AP5
Fruiting body formation from regenerated mycelium of Pleurotus ostreatus protoplasts.
Magae, Y.; Kakimoto, Y.; Kashiwagi, Y.; Sasaki, T. Applied-Environ-Microbiol v.49(2): p.441-442. ill. (1985 Feb.)
Includes 9 references.
Descriptors: pleurotus-ostreatus; protoplasts-; mycelium-; fruiting-potential; yield-increases

79.
NAL Call No.: QR1.E9
Fungal activities involved in lignocellulose degradation by Pleurotus [Fungi].
Platt, M. W.; Hadar, Y.; Chet, I. Appl-Microbiol-Biotech v.20(2): p.150-154. ill. (1984 Aug.)
Includes references.

80.
NAL Call No.: QK600.B7
Gastronomy: oyster mushrooms (Pleurotus ostreatus) with okra.
Phillips, R. Mycologist v.21(pt.2): p.82. ill. (1987 Apr.)
Descriptors: pleurotus-ostreatus; okras-; recipes-; wild-foods; mushrooms-

81.
NAL Call No.: 80-B85
Heat requirement of Pleurotus strains in the period of growing mycelium. Laskagombatorzsek hoigenye a miceliumnovekedes idoszakaban. Laskagombatorzsek hoigenye a miceliumnovekedes idoszakaban.
Szabo, I. Kert-Egy-Kozl. Budapest, Mezogazdasagi Konyvkiado Vallalat. 1978 (pub. 1979). v. 10 (2) p. 63-69. ill.
9 ref.

82.
NAL Call No.: QR1.M562
High laccase producing mutants of Pleurotus florida.
Dhaliwal, R. P. S.; Garcha, H. S.; Khanna, P. K. World-J-Microbiol-Biotechnol. Oxford : Rapid Communications of Oxford Ltd. with UNESCO. Jan 1992. v. 8 (1) p. 39-41.
Includes references.
Descriptors: pleurotus-florida; laccase-; biosynthesis-; mutants-; mutagenesis-

83.
NAL Call No.: TX341.F662
Houbitake, Pleurotus sajor-caju: antitumor activity and utilization.
Mizuno, T.; Zhuang, C. Food-rev-int v.11(1): p.185-187. (1995)
In the special issue: Mushrooms: The versatile fungus--food and medicinal properties: chemistry, biochemistry, biotechnology, and utilization / edited by T. Mizuno.
Descriptors: mushrooms-; provenance-; origin-; cultivation-; food-composition; nutrient-content; antineoplastic-agents; polysaccharides-; foods-; chinese-cookery; literature-reviews; pleurotus-sajor-caju

84.

NAL Call No.: 442.8-L62
Hypotensive and renal effects of an extract of the edible mushroom Pleurotus sajor-caju.
Tam, S. C.; Yip, K. P.; Fung, K. P.; Chang, S. T. Life-Sci v.38(13): p.1155-1161. (1986 Mar.)
Includes 12 references.
Descriptors: pleurotus-sajor-caju; plant-extracts; hypotension-; kidneys-; pharmacology-

85.
NAL Call No.: 450-M99
Identity and cultivation of a new commercial mushroom in Taiwan [Pleurotus cystidiosus]
Jong, S. C.; Peng, J. T. Mycologia, Nov/Dec 1975, 57 (6): 1235-1238.
Descriptors: Taiwan-

86.
NAL Call No.: 49.9-H19
Improving the feedstuff value of rice straw inoculated with the Pleurotus ostreatus Saccardo.
Lee, T. W.; Kim, B. H. Han'guk-Ch'uksan-Hakhoe-Korean-J-Anim-Sci v.24(6): p.476-481. (1982 Nov.)
Includes references.

87.
NAL Call No.: 451-B76
Incompatibility and growth in Pleurotus flabellatus Edible mushroom, mating system, commercial potential.
Chandrashekar, T. R.; Bano, Z.; Rajarathnam, S. Trans-Br-Mycol-Soc. Cambridge, Cambridge University Press. Dec 1981. v. 77 (pt.3) p. 491-495.
Bibliography p. 495.

88.
NAL Call No.: QR1.E9
Increased degradation of straw by Pleurotus ostreatus sp. 'Florida' Fungus might increase the digestibility by reducing lignin content.
Platt, M. W.; Hadar, Y.; Henis, Y.; Chet, I. Eur-J-Appl-Microbiol-Biotech v.17(2): p.140-142. (1983)
Includes references.

89.
NAL Call No.: 25-P542
Indoor cultivation of edible mushroom Pleurotus ostreatus.
Quimio, T. H. Philipp-Agric. Los Banos, Laguna, College of Agriculture and Central Experiment Station. Dec 1977/Jan 1978. v. 61 (7/8) p. 253-262. ill.
9 ref.

90.
NAL Call No.: 442.8-AN72
Induction of edible sclerotia of Pleurotus tuberregium (FR) Sing. in the laboratory.
Okhuoya, J. A.; Okogbo, F. O. Ann-Appl-Biol v.117(2): p.295-298. (1990 Oct.)
Includes references.
Descriptors: pleurotus-tuber-regium; sclerotia-; growing-media; daniellia-oliveri; elaeis-guineensis; wood-dust; nigeria-

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91.

NAL Call No.: 80-M972
Industrial production of Pleurotus Mushrooms. Industrieller Pleurotus Anbau. Industrieller Pleurotus Anbau.
Heltay, I.; International Congress on the Science and Cultivation of Edible Fungi, 1. F. 1. Mushroom-Sci. Peterborough, Eng., International Society for Mushroom Science. 1979. v. 10 (pt.2) p. 463-481. ill. 35 ref.

92.
NAL Call No.: QR1.E9
Influence of ammonium nitrate and organic supplements on the yield of Pleurotus sajor caju (Fr.) Sing [Cultivated edible Fungi].
Zadrazil, F. Eur-J-Appl-Microbiol-Biotech. Berlin, Springer International. 1980. v. 9 (1) p. 31-35. ill. 9 ref.

93.
NAL Call No.: QH301.I54
Influence of carbon dioxide on lignin degradation and digestibility of lignocellulosics treated with Pleurotus sajor-caju.
Zadrazil, F.; Puniya, A. K. Int-biodeterior-biodegrad v.33(3): p.237-244. (1994)
Includes references.
Descriptors: pleurotus-sajor-caju; lignin-; wheat-straw; microbial-degradation; carbon-dioxide; aeration-; oxygen-; nitrogen-; in-vitro-digestibility

94.
NAL Call No.: QR1.E9
Influence of CO2 [carbon dioxide] concentration on the mycelium growth of three Pleurotus species [Fungi]
Zadrazil, F. Eur-J-Appl-Microbiol, 1975, 1 (4): 327-335. Ref.

95.
NAL Call No.: QR1.E9
Influence of formaldehyde-treated soybean and commercial nutrient supplementation on mushroom (Pleurotus sajor-caju) yield and in-vitro dry matter digestibility of spent substrate.
Royse, D. J.; Fales, S. L.; Karunanandaa, K. Appl-Microbiol-Biotech v.36(3): p.425-429. (1991 Dec.)
Includes references.
Descriptors: pleurotus-sajor-caju; mushrooms-; wheat-straw; soybeans-; formaldehyde-; pretreatment-; crop-yield; in-vitro-digestibility; nutrient-requirements

Abstract: Pleurotus sajor-caju 537 was grown on chopped, pasteurized wheat straw non-supplemented and supplemented with formaldehyde-treated soybean, commercial delayed-release nutrient (SpawnMate II SE) or vegetable oil. Yield was 2.1-fold higher for substrate supplemented (12% dry wt) with low-volume formaldehyde-treated soybean as compared to non-supplemented substrate. Mushroom yield from substrate supplemented with commercial nutrient was 1.7-fold higher than yield from non-supplemented substrate. As the supplement level increased, the mushroom yield response increased. The yield ranged from 3.56 kg/m2 for non-supplemented substrate to 7.36 kg/m2 for substrate supplemented (12% dry wt) with formaldehyde-treated soybean. The type of supplement affected in vitro dry matter digestibility (IVDMD) of spent substrate; commercial supplement resulted in higher IVDMD compared to formaldehyde-treated substrate. An opportunity exists for commercial development of a nutrient(s) specifically designed for Pleurotus cultivation.

96.
NAL Call No.: 22-M262
Influence of the growth of Pleurotus sajor-caju (Fr.) Singer on lignin content of the substrates Edible fungus.
Sivaprakasam, K.; Kandaswamy, T. K. Madras-Agric-J. Coimbatore, Tamil Nadu Agricultural University. Dec 1980. v. 67 (12) p. 811-812.

Includes 4 ref.

97.
NAL Call No.: QK600.M82
Intracellular appearance, morphological features and properties of oyster mushroom virus.
Pingyan, L.; Hongdi, L.; Kaiying, C. Mycol-Res v.94(pt.4): p.529-537. ill. (1990 June)
Includes references.
Descriptors: pleurotus-sapidus; pleurotus-ostreatus; plant-viruses; ultrastructure-; rna-; genome-analysis; protein-analysis; immunochemistry-; disease-transmission; translocation-; cell-walls; fruiting-stage; dolipore-septa; double-stranded-rna

98.
NAL Call No.: SB353.M8
Introducing: Pleurotus flabellatus [mushroom] for your dinner table
Quimio, T. H. Mushroom-J, Sept 1978, 69: 282-283.

99.
NAL Call No.: SB353.I57-1981
Introducing the cultivation of Pleurotus florida in the plains of India.
Khanna, P.; Garcha, H. S. Proceedings of the Eleventh International Scientific Congress on the Cultivation of Edible Fungi, Australia, 1981 / edited by N.G. Nair, A.D. Clift. Sydney : [s.n.], 1981. v. 1 p. 655-665. ill.
Includes references.
Descriptors: pleurotus-florida; cultivation-methods; india-

100.
NAL Call No.: QR1.E9
Lignocellulose degradation during growth of the mushroom Pleurotus sp. "Florida" on cotton straw Waste utilization.
Platt, M. W.; Chet, I.; Henis, Y. Eur-J-Appl-Microbiol-Biotech. Berlin, Springer International. Dec 1981. v. 13 (3) p. 194-195.
Includes 6 ref.

101.
NAL Call No.: 448.3-D49
Lignocellulosic agricultural wastes degraded by Pleurotus ostreatus [Agaricus bisporus, Coprinus lagopus, Fungi]
Kaneshiro, T. Dev-Ind-Microbiol, 1977, 18: 591-597. Ref.

102.
NAL Call No.: QK617.T28
Lipid composition of Pleurotus spp. (dhingri) [Edible mushrooms, Nutritional status].
Khanna, P.; Garcha, H. S. T'ai-wan-Yang-Ku-Taiwan-Mushrooms v.7(1): p.18-23. (1983 June)
Includes references.

103.
NAL Call No.: QK617.T28
Lipid composition of Pleurotus spp. (dhingri) [Edible mushrooms, Nutritional status].
Khanna, P.; Garcha, H. S. T'ai-wan-Yang-Ku-Taiwan-Mushrooms v.7(1): p.18-23. (1983 June)
Includes references.

104.
NAL Call No.: 442.8-AN72
Lipid metabolism of Pleurotus sajor caju.
Nair, N. G.; Holley, M. P.; Song, C. H.; Cho, K. Y. Ann-Appl-Biol v.116(3): p.455-462. (1990 June)
Address of the President of the Association of Applied Biologists at a meeting held at the University of St

Andrews on September 26, 1989.
Descriptors: pleurotus-sajor-caju; lipid-metabolism; malate-dehydrogenase; triacylglycerol-lipase; enzyme-activity; precursors-; growth-; mycelium-; plant-tissues; sporophore-

105.
NAL Call No.: 442.8-AN72
Lipid profile of Pleurotus sajor caju.
Nair, N. G.; Song, C. H.; Jiang, J. Y.; Vine, J. H.; Tattum, B.; Cho, K. Y. Ann-Appl-Biol v.114(1): p.167-176. (1989 Feb.)
Includes references.
Descriptors: pleurotus-sajor-caju; lipid-content; mycelium-; lipid-metabolism

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106.
NAL Call No.: QK617.T28
Metabolism and culture of Pleurotus [spidus], the oyster mushrooms [using cellulosic materials].
Kurtzman, R. H. Jr. T'ai-wan-Yang-Ku-Taiwan-Mushrooms. Taipei, T'ai-wan yang ku tsa chi she. Mar 1979. v. 3 (1) p. 1-13. ill.
17 ref.

107.
NAL Call No.: aS21.A8U5/ARS
The metabolism of fatty substances by the oyster mushroom [Pleurotus sapidus, Pleurotus ostreatus, reprinted from Mushroom Science, Proceedings of the 9th International Scientific Congress on the Cultivation of Edible Fungi, Tokyo]
Kurtzman, R. H.; U.S. Agricultural Research Service. U-S-Agric-Res-Serv-Reprints-of-articles-by-ARS-employees, 1974, 9 (pt. 1): 557-565.

108.
NAL Call No.: 385-AG8B
A method for the high yield preparation of and high frequency regeneration of basidiomycete, Pleurotus ostreatus ("Hiratake"), protoplasts using sulfite pulp waste components.
Iijima, Y.; Yanagi, S. O. Agric-Biol-Chem v.50(7): p.1855-1861. ill. (1986 July)
Includes references.
Descriptors: pleurotus-ostreatus; regeneration-; protoplasts-; sulfites-; pulp-mill-effluent; protoplast-fusion

109.
NAL Call No.: 99.9-AS12S
Methods of cultivating Pleurotus cornucopiae mushroom in a saw-dust-added medium.
Takizawa, N.; Oda, K.; Shida, H. Rinsan-Shikenjo-Geppo-J-Hokkaido-For-Prod-Res-Inst. Asahigawa, Hokkaido-ritsu Rinsan Shikenjo Sept 1978. (9) p. 11-13. ill.

110.
NAL Call No.: 22-IN283
Mushroom cultivation for small farmers Pleurotus sajorcaju, "Dhingri", India.
Chakravorty, D. K.; Sarkar, B. B. Indian-Farming. New Delhi, India, Indian Council of Agricultural Research. May 1982. v. 32 (2) p. 15-16. ill.
Descriptors: India-

111.
NAL Call No.: 156.65-P69
Mushroom plant, Pleurotus ostreatus Kummeri.
Kummer, D. A. Plant-Pat-U-S-Pat-Trademark-Off. Washington, D.C. : The Office. Jan 9, 1990. (7105) 2 p. plates.
Descriptors: pleurotus-ostreatus; varieties-; patents-; plant-production; growing-media; usa-

Abstract: This novel selection of Pleurotus ostreatus exhibits a vigorous growth characteristic which is recognized to be a good growth habit. The morphology of this selection has a desirable color, texture and appearance. The production of this selection is good, with efficiency above 100% in a three flush evaluation.

112.
NAL Call No.: 80-M972
Nitrogen fixation by Pleurotus.
Kurtzman, R. H. Jr.; International Congress on the Science and Cultivation of Edible Fungi, 1. F. 1. Mushroom-Sci. Peterborough, Eng., International Society for Mushroom Science. 1979. v. 10 (pt.1) p. 427-435.
13 ref.

113.
NAL Call No.: TP368.C3
Nitrogen sources and the growth response of Pleurotus ostreatus mushroom mycelium.
Manu Tawiah, W.; Martin, A. M. Can-Inst-Food-Sci-Technol-J-J-Inst-Can-Sci-Technol-Aliment v.21(2): p.194-199. (1988 Apr.)
Includes references.
Descriptors: pleurotus-ostreatus; mycelium-; culture-media; nutrient-sources; nitrogen-; growth-; submerged-culture

114.
NAL Call No.: S539.I4G8
A note on comparative growth of five species of Pleurotus under different temperature, light and humidity conditions [Cultivated mushrooms, India].
Rawal, P. P.; Singh, R. D. Gujarat-Agric-Univ-Res-J v.9(1): p.66-67. (1983 July)
Includes references.
Descriptors: India-

115.
NAL Call No.: S539.I4G8
A note on comparative growth of five species of Pleurotus under different temperature, light and humidity conditions [Cultivated mushrooms, India].
Rawal, P. P.; Singh, R. D. Gujarat-Agric-Univ-Res-J v.9(1): p.66-67. (1983 July)
Includes references.
Descriptors: India-

116.
NAL Call No.: 450-M99
Nutrition of Pleurotus sapidus [Fungi]: effects of lipids
Kurtzman, R. H. J. Mycologia, Mar/Apr 1976, 68 (2): 286-295. Ref.

117.
NAL Call No.: 80-J825
Nutrition of the mushroom Pleurotus flabellatus during its growth on paddy straw substrate.
Rajarathnam, S.; Bano, Z.; Patwardhan, M. V. J-Hortic-Sci v.61(2): p.223-232. (1986 Apr.)
Includes references.
Descriptors: pleurotus-flabellatus; plant-nutrition; straw-; substrates-; nitrogen-; crop-yield

118.
NAL Call No.: 49-J82
Nutritional evaluation of wheat straw incubated with the edible mushroom, Pleurotus ostreatus Ruminants.
Streeter, C. L.; Conway, K. E.; Horn, G. W.; Mader, T. L. J-Anim-Sci. Champaign, Ill., American Society of Animal Science. Jan 1982. v. 54 (1) p. 183-188.
Includes 11 ref.

119.
NAL Call No.: 25-P542
Nutritional requirements of Pleurotus ostreatus (Fr.) Kummer Oyster mushroom.
Quimio, T. H.; Sardsus, U. Philipp-Agric. Los Banos, Laguna, College of Agriculture and Central Experiment Station, University of the Philippines. Jan/Mar 1981. v. 64 (1) p. 79-89.
Includes 11 ref.

120.
NAL Call No.: 450-M994
Nutritional studies on species and mutants of Lepista, Cantharellus, Pleurotus and Volvariella
Volz, P. A. Mycopathol-Mycol-Appl, Nov 15, 1972, 48 (2/3): 175-185. Ref.

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121.
NAL Call No.: SB353.I57-1981
Nutritive value of mushroom Pleurotus florida.
Khanna, P.; Garcha, H. S. Proceedings of the Eleventh International Scientific Congress on the Cultivation of Edible Fungi, Australia, 1981 / edited by N.G. Nair, A.D. Clift. Sydney : [s.n.], 1981. v. 2 p. 561-572.
Includes references.
Descriptors: pleurotus-florida; mushrooms-; nutritive-value; chemical-composition; in-vitro-digestibility

122.
NAL Call No.: SB353.M8
Nutritive value of mushroom Pleurotus sajor-caju (Fr.) Singer
Jandaik, C. L.; Kapoor, J. N. Mushroom-J, Dec 1975, 36: 408-410. Ref.

123.
NAL Call No.: TX501.F6
Nutritive value of some Nigerian edible mushrooms Termitomyces robustus, T.Clypeatus, Pleurotus tuber-regium.
Ogundana, S. K.; Fagade, O. E. Food-Chem. ondon, Eng., Applied Science Publishers. June 1982. v. 8 (4) p. 263-268.
2 p. ref.
Descriptors: Nigeria-

124.
NAL Call No.: QD415.A1J62
Olive milling wastewater as a medium for growth of four Pleurotus species.
Sanjust, E.; Pompei, R.; Rescigno, A.; Rinaldi, A.; Ballero, M. Appl-Biochem-Biotechnol v.31(3): p.223-235. (1991 Dec.)
Includes references.

Descriptors: olives-; milling-; waste-water; waste-utilization; detoxification-; pleurotus-ostreatus; pleurotus-florida; pleurotus-sajor-caju; pleurotus-eryngii; laccase-; phenolic-compounds; toxicity-; bioassays-; cell-lines; mushrooms-; crop-production

125.
NAL Call No.: QH515.B566
Orange/yellow pigments in the basidiomycete Pleurotus ostreatus (Jacq. ex Fr.) Kummer.
Margraf, W. Blue light effects in biological systems / edited by H. Senger. Berlin [W. Ger.] : Springer-Verlag, 1984. p. 55-59.
Includes 12 references.
Descriptors: pleurotus-ostreatus; blue-light; ultraviolet-radiation

126.
NAL Call No.: QD1.A45
Oxidative enzymes from the lignin-degrading fungus Pleurotus sajor-caju.
Bourbonnais, R.; Puice, M. G. A-C-S-Symp-Ser-Am-Chem-Soc (399): p.472-481. (1989)
In the series analytic: Plant cell wall polymers / edited by N.G. Lewis and M.G. Paice.
Descriptors: pleurotus-sajor-caju; ligninolytic-microorganisms; laccase-; alcohol-oxidoreductases; isolation-; enzyme-activity

Abstract: Two extracellular oxidase enzymes proposed to play arole in lignin depolymerisation, laccase (polyphenol oxidase) and veratryl alcohol oxidase (VAO), were isolated from ligninolytic cultures of Pleurotus sajor-caju. The enzymes were produced in agitated, mycological broth cultures and were isolated after 12 days from supernatants by precipitation and chromatography. Two purified VAO enzymes had very similar physical and biochemical properties. They oxidised a variety of aromatic primary alcohols to aldehydes with reduction of oxygen to hydrogen peroxide. Sequential treatment of the laccase substrate ABTS with laccase and then VAO and veratryl alcohol produced first appearance and then disappearance of characteristic colors. A reduction-oxidation cycle is proposed for the two enzymes in depolymerisation of phenolic substructures of lignin.

127.
NAL Call No.: QP141.A1N88
Oyster mushroom (Pleurotus ostreatus) accelerates the plasma clearance of low-density and high-density lipoproteins in rats.
Bobek, P.; Ginter, E.; Ozdin, L. Nutr-res v.13(8): p.885-890. (1993 Aug.)
Includes references.
Descriptors: mushrooms-; diet-; blood-lipids; lipid-metabolism; hypercholesterolemia-; cholesterol-; lipoproteins-; triacylglycerols-; anticholesteremic-agents; rats-

Abstract: In Wistar rats fed after weaning a semisynthetic diet containing 0.3% cholesterol (C), the addition of 4% dried whole oyster mushroom (Pleurotus ostreatus) led to a reduced level of serum and liver C at the end of the 10th week of the experiment by 25, resp. 33%. The level of serum triacylglycerols was not influenced by the mushroom, but was significantly reduced by 13% in liver. The decrease in serum C level is a consequence of the decreased C concentration in very-low-density lipoproteins (VLDL) and in low-density lipoproteins (LDL). Content of C in high-density lipoproteins (HDL) was not influenced by the mushroom. Dietary Pleurotus ostreatus increased the fractional turnover rate of LDL (by 28%) and HDL (by 31%) as determined by the analysis of decay curves of (125)I-labelled lipoproteins. The increase in rate of LDL and HDL catabolism is one of the decisive mechanisms which mediates the hypocholesterolemic effect of mushroom in rat.

128.
NAL Call No.: 475-Ex7
Oyster mushroom (Pleurotus ostreatus) reduces the activity of 3-hydroxy-3-methylglutaryl CoA reductase in rat liver microsomes.
Bobek, P.; Hromadova, M.; Ozdin, L. Experientia v.51(6): p.589-591. (1995)
Includes references.

Descriptors: rats-; mushrooms-; pleurotus-ostreatus; ingestion-; inhibition-; enzyme-activity; hydroxymethylglutaryl-coa-reductase; liver-; microsomes-; anticholesteremic-agents; low-cholesterol-diets; diets-; cholesterol-; low-density-lipoprotein; blood-chemistry; high-cholesterol-diets

129.
NAL Call No.: 382-SO12
Peat extract as a carbon source for the growth of Pleurotus ostreatus mycelium.
Manu Tawiah, W.; Martin, A. M. J-Sci-Food-Agric v.47(2): p.243-247. (1989)
Includes references.
Descriptors: pleurotus-ostreatus; nutrition-; nutrient-sources; carbon-; peat-; extracts-

Abstract: The submerged culture of edible mushroom mycelium has been studied because of its potential to produce food, food additives and food supplements. One of the species of edible mushrooms which have been cultivated in submerged culture for the production of mycelial biomass is Pleurotus ostreatus. The growth of P ostreatus on peat and its mycelium cultivation in peat extracts have also been reported.

130.
NAL Call No.: 451-K51B
Pleurotus (Agaricales) [Fungi] in India, Nepal and Pakistan
Pegler, D. N. Kew-Bull, 1977, 31 (3): 501-510. Ref.
Descriptors: India-; Nepal-; Pakistan-

131.
NAL Call No.: 475-SCI23
Pleurotus eous (Berk) Sacc.: a new cultivated mushroom
Singh, N. S.; Rajarathnam, S. Curr-Sci, Sept 5, 1977, 46 (17): 617-618.

132.
NAL Call No.: TD930.A32
Pleurotus florida for upgrading the nutritive value of wheat straw.
Gupta, V. K.; Langar, P. N. Biol-Wastes v.23(1): p.57-64. (1988)
Includes references.
Descriptors: wheat-straw; pleurotus-florida; nutritive-value; upgrading-; feeds-; waste-utilization; digestibility-

133.
NAL Call No.: SB353.M8
Pleurotus florida mushrooms production in Borota, Hungary.
Heltay, I. Mushroom-J. London, Mushroom Growers' Association. June 1979. (78) p. 227, 229-230. ill.
Descriptors: Hungary-

134.
NAL Call No.: SB299.P3D4
Pleurotus mushroom grows well in tobacco medium.
Tolentino, P. R. Dev-Crop-Sci. Amsterdam : Elsevier Scientific Pub. Co. 1987. v. 10 p. 565-568. ill.
In the series analytic: Cultivating edible fungi / edited by P.J. Wuest, D.J. Royse and R.B. Beelman. Proceedings of an International Symposium, July 15-17, 1986, University Park, Pennsylvania.
Descriptors: pleurotus-; growing-media; tobacco-; wastes-; cultivation-methods

135.
NAL Call No.: TP368.C7
Pleurotus mushrooms. II. Chemical composition, nutritional value, post-harvest physiology, preservation, and role as human food.
Bano, Z.; Rajarathnam, S. Crit-Rev-Food-Sci-Nutr v.27(2): p.87-158. charts. (1988)
Literature review.
Descriptors: pleurotus-; mushrooms-; chemical-constituents-of-plants; nutrient-contents-of-plants;

nutritional-value; postharvest-physiology; food-preservation; proximate-analysis; production-possibilities

Abstract: Abstract: The edible mushroom, Pleurotus, has been discovered to have nutritional and medicinal value. The problems and prospects of processing the fruit bodies are discussed. The potential for production and consumption of the fruit bodies are discussed.

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136.
NAL Call No.: TP368.C7
Pleurotus mushrooms. III. Biotransformations of natural lignocellulosic wastes: commercial applications and implications.
Rajarathnam, S.; Bano, Z. Crit-Rev-Food-Sci-Nutr v.28(1): p.31-113. ill. (1989)
Literature review.
Descriptors: pleurotus-; cultivation-; lignocellulose-; waste-treatment; postharvest-physiology; waste-utilization

137.
NAL Call No.: QK504.C7
Pleurotus ostreatoroseus (Basidiomycotina, Agaricales) in Mexico and its growth in agroindustrial wastes.
Cedano, M.; Martinez, M.; Soto Velazco, C.; Guzman Davalos, L. Cryptogam-bot v.3(4): p.297-302. (1993 Aug.)
Includes references.
Descriptors: pleurotus-; edible-fungi; crop-production; agricultural-wastes; fungal-morphology; growth-; species-; taxonomy-; mushroom-compost; mexico-

138.
NAL Call No.: QD415.A1B58
Pleurotus ostreatus: a nitrogen-fixing fungus.
Ginterova, A.; Gallon, J. R. Trans-Biochem-Soc. London, The Society. Dec 1979. v. 7 (6) p. 1293-1295. ill.
9 ref.

139.
NAL Call No.: 442.8-Z8
Pleurotus ostreatus--breeding potential of a new cultivated mushroom
Eger, G.; Eden, G.; Wissig, E. TAG-Theor-Appl-Genet, 1976, 47 (4): 155-163. Ref.

140.
NAL Call No.: QH301.B594
Pleurotus ostreatus cultivation on agricultural wastes. I. Isolation and characterization of native strains in different solid media in the laboratory. Cultivo de Pleurotus ostreatus sobre desechos agricolas. I. Obtencion y caracterizacion de cepas nativas en diferentes medios de cultivo solido en el laboratorio. Cultivo de Pleurotus ostreatus sobre desechos agricolas. I. Obtencion y caracterizacion de cepas nativas en diferentes medios de cultivo solido en el laboratorio.
Martinez, D. Biotica v.9(3): p.243-248. ill. (1984)
Includes references.
Descriptors: pleurotus-ostreatus; edible-fungi; strains-; growth-; agricultural-wastes; bagasse-; coffee-; bursera-; ricinus-; yucca-; laboratory-methods; mexico-

141.
NAL Call No.: 80-M97
Pleurotus ostreatus has great possibilities. [Culture]
Lelley, J. Mga-Bull-Mushroom-Growers-Assoc, July 1972, 271: 311-313.

142.
NAL Call No.: SB353.M8
Pleurotus sajor-caju.
Mushroom-J (183): p.495. ill. (1988 Mar.)
Descriptors: pleurotus-sajor-caju; mushrooms-; cultivation-methods; substrates-; fungal-diseases; pathogens-; arthrobotrys-; symptoms-; chemical-control; arthrobotrys-pleuroti

143.
NAL Call No.: 475-SCI23
Pleurotus sajor-caju (Fr.) Singer, a protein rich nitrogen fixing mushroom fungus
Rangaswami, G.; Kandaswami, T. K.; Ramasamy, K. Curr-Sci, June 5, 1975, 44 (11): 403-404.

144.
NAL Call No.: 475-SCI23
Pleurotus sajor-caju (Fr.) Singer, a protein rich nitrogen fixing mushroom fungus
Rangaswami, G.; Kandaswami, T. K.; Ramasamy, K. Curr-Sci, June 5, 1975, 44 (11): 403-404.

145.
NAL Call No.: 450-M99
Pleurotus tuber-regium [Fungi] from Nigeria
Oso, B. A. Mycologia, Mar/Apr 1977, 69 (2): 271-279.
Descriptors: Nigeria-

146.
NAL Call No.: TP368.J6
Post-harvest physiology and storage of the white oyster mushroom Pleurotus flabellatus.
Rajarathnam, S.; Bano, Z.; Patwardhan, M. V. J-Food-Technol v.18(2): p.153-162. ill. (1983 Apr.)
Includes references.

147.
NAL Call No.: TS1171.T3
Preliminary studies on biodegradation of wheat straw (Triticum aestivum L.) by oyster mushroom (Pleurotus ostreatus Jacq.) aimed at producing biopulp.
Bostanci, S.; Yalinkilic, M. K. Pulping-Conf-Proc (book 2): p.239-244. (1988)
Includes references.
Descriptors: wheat-straw; triticum-aestivum; biodegradation-; pleurotus-ostreatus; pulping-; wood-destroying-fungi; pulp-and-paper-industry; biotechnology-

148.
NAL Call No.: TD930.A32
The production of exo-enzymes by Lentinus edodes and Pleurotus ostreatus and their use for upgrading corn straw.
Sermanni, G. G.; D'Annibale, A.; Di Lena, G.; Vitale, N. S.; Di Mattia, E.; Minelli, V. Bioresour-technol v.48(2): p.173-178. (1994)
Includes references.
Descriptors: lentinula-edodes; pleurotus-ostreatus; monophenol-monooxygenase; cellulase-; maize-straw; chemical-composition; digestibility-; fermentation-; pulping-; paper-; production-; biotechnology-; waste-utilization; italy-; xylanase-; delignification-; submerged-fermentation; paper-handsheets

149.
NAL Call No.: QR1.E9

Production of hydrogen peroxide by aryl-alcohol oxidase from the ligninolytic fungus Pleurotus eryngii.
Guillen, F.; Martinez, A. T.; Martinez, M. J. Appl-Microbiol-Biotech v.32(4): p.465-469. ill. (1990 Jan.)
Includes references.
Descriptors: pleurotus-eryngii; hydrogen-peroxide; production-; oxidoreductases-

Abstract: Production of extracellular hydrogen peroxide by fungal oxidases is been investigated as a requirement for lignin degradation. Aryl-alcohol oxidase activity is described in extracellular liquid and mycelium of Pleurotus eryngii and studied under non-limiting nitrogen conditions. This aryl-alcohol oxidase catalyses conversion of primary aromatic alcohols to the corresponding aldehydes and H2O2, showing no activity with aliphatic and secondary aromatic alcohols. The enzyme is stable at pH 4.0-9.0, has maximal activity at 45 degrees-50 degrees C and pH 6.0-6.5, is inhibited by Ag, Pb2+ and NaN3, and has a Km of 1.2 mM using veratryl alcohol as substrate. A single protein band with aryl-alcohol oxidase activity was found in zymograms of extracellular and intracellular crude enzyme preparations from P. eryngii.

150.
NAL Call No.: QR1.I58
Production of mushroom food and crop fertilizer from organic wastes Volvariella volvacea, Pleurotus sajorcaju.
Chang, S. T.; Yau, C. K. Proc-Global-Impact-Appl-Microbiol. London, Academic Press. 1980 (pub. 1981). p. 647-652.
Includes 4 ref.

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151.
NAL Call No.: QK1.A28
Production of Pleurotus sajorcaju, and edible tropical mushroom, on agricultural wastes.
Kolte, S. O.; Patil, C. U.; Somani, R. B.; Teltumde, R. M. Acta-Bot-Indica v.19(1): p.144. (1991 June)
Includes references.
Descriptors: pleurotus-sajor-caju; mushrooms-; crop-production

152.
NAL Call No.: 448.3-C33-3
Production of protein by fungi from agricultural wastes. II. Effect of carbon/nitrogen ratio on the efficiency of substrate utilization and protein production by Rhizoctonia melongina, Pleurotus ostreatus, and Coprinus aratus.
Jauhri, K. S.; Sen, A. Zentralbl-Bakteriol-Parasitenkd-Infektionskrankheiten-Hyg-Ii-Natu rwiss-Abt. Jena 1978. v. 133 (7/8) p. 597-603. ill.
19 ref.

153.
NAL Call No.: 448.3-C33-3
Production of protein by fungi from agricultural wastes. III. Effect of phosphorus on the efficiency of substrate utilization and protein production by Rhizoctonia melongina, Pleurotus ostreatus, and Coprinus aratus.
Jauhri, K. S.; Sen, A. Zentralbl-Bakteriol-Parasitenkd-Infektionskrankheiten-Hyg-Ii-Natu rwiss-Abt. Jena 1978. v. 133 (7/8) p. 604-608. ill.
7 ref.

154.
NAL Call No.: 448.3-C33-3
Production of protein by fungi from agricultural wastes. IV. Effect of certain inorganic salts on the efficiency of substrate utilization and protein production by Rhizoctonia melongina, Pleurotus ostreatus, and Coprinus aratus.
Jauhri, K. S.; Sen, A. Zentralbl-Bakteriol-Parasitenkd-Infektionskrankheiten-Hyg-Ii-Natu rwiss-Abt. Jena 1978. v. 133 (7/8) p. 609-613. ill.
20 ref.

155.
NAL Call No.: 448.3-C33-3
Production of protein by fungi from agricultural wastes. V. Effect of various organic acids and growth promoters on the efficiency of substrate utilization and protein production by Rhizoctonia melongina, Pleurotus ostreatus, and Coprinus aratus.
Jauhri, K. S.; Sen, A. Zentralbl-Bakteriol-Parasitenkd-Infektionskrankheiten-Hyg-Ii-Natu rwiss-Abt. Jena 1978. v. 133 (7/8) p. 614-618. ill.
15 ref.

156.
NAL Call No.: 448.3-C33-3
Production of protein by fungi from agricultural wastes. VI. Quality of the protein formed in Rhizoctonia melongina, Pleurotus ostreatus, and Coprinus aratus.
Jauhri, K. S. Zentralbl-Bakteriol-Parasitenkd-Infektionskrankheiten-Hyg-Ii-Natu rwiss-Abt. Jena 1978. v. 133 (7/8) p. 619-622. ill.
Bibliography p. 621-622.

157.
NAL Call No.: 448.3-C33-3
Production of protein by fungi Rhizoctonia melongina, Pleurotus ostreatus, and Coprinus aratus from agricultural wastes. I. **Standardization of certain factors for maximum protein production.**
Jauhri, K. S.; Kumari, L.; Sen, A. Zentralbl-Bakteriol-Parasitenkd-Infektionskrankheiten-Hyg-Ii-Natu rwiss-Abt. Jena 1978. v. 133 (7/8) p. 588-596. ill.
Bibliography p. 595-596.

158.
NAL Call No.: QK600.B7
Profiles of fungi. 4. Pleurotus dryinus (Pers.: Fr.) Kummer.
Spooner, B. M.; Pegler, D. N. Mycologist v.21(pt.2): p.75. ill. (1987 Apr.)
Includes references.
Descriptors: pleurotus-; taxonomy-; geographical-distribution; wood-destroying-fungi; fungal-diseases

159.
NAL Call No.: QR1.F46
Progress in biopulping of non-woody materials: chemical, enzymatic and ultrastructural aspects of wheat straw delignification with ligninolytic fungi from the genus Pleurotus.
Martinez, A. T.; Camarero, S.; Guillen, F.; Gutierrez, A.; Munoz, C.; Varela, E.; Martinez, M. J.; Barrasa, J. M.; Ruel, K.; Pelayo, J. M. FEMS-microbiol-rev v.13(2/3): p.265-273. (1994 Mar.)
Paper presented at the FEMS symposium on Lignin Biodegradation and Transformation, April 18-21, 1993, Lisbon, Portugal.
Descriptors: pleurotus-eryngii; ligninolytic-microorganisms; wheat-straw; lignin-; pulping-; laccase-; ultrastructure-

Abstract: During screening of basidiomycetes for wheat straw delignification, considerable lignin degradation with a limited attack to cellulose was attained with Pleurotus eryngii. Straw solid-state fermentation (SSF) was optimized, and the enzymatic mechanisms for lignin degradation were investigated. No lignin peroxidase was detected under liquid or SSF conditions, but high laccase and aryl-

alcohol oxidase levels were found. The latter enzyme has been fully characterized in Pl. eryngii and it seems to be involved in a cyclic redox system for H2O2 generation from aromatic compounds. Results obtained using homoveratric acid suggest that Pleurotus laccase could be involved in degradation of phenolic and non-phenolic lignin moieties. Histological and ultrastructural studies provided some general morphological characteristics of the fungal attack on wheat straw. Whereas a simultaneous degradation pattern was observed in straw treated with Phanerochaete chrysosporium, Pl. eryngii caused partial degradation of middle lamella and separation of individual sclerenchymatic fibers. When these straw samples were subjected to refining tests, energy saving after biological treatment was the highest in the case of straw treated with Pl. eryngii, which also produced the lowest substrate loss. From these results, a correlation between preferential removal of lignin, separation of sclerenchymatic fibers and pulping properties was provided during fungal treatment of wheat straw.

160.
NAL Call No.: QR1.E9
Recycling of spent shiitake substrate for production of the oyster mushroom, Pleurotus sajor-caju.
Royse, D. J. Appl-Microbiol-Biotech v.38(2): p.179-182. (1992 Nov.)
Includes references.
Descriptors: pleurotus-sajor-caju; growing-media; recycling-; lentinula-edodes; waste-utilization; calcium-carbonate; soybeans-; supplements-; spawn-; crop-yield; size-; biological-efficiency

Abstract: Pleurotus sajor-caju was produced on a basal medium containing "spent" shiitake substrate plus 10% wheat bran and 10% millet. An analysis of the fibrous composition of the spent shiitake substrate revealed that 85% of the original hemicellulose, 44% of the original cellulose and 77% of the original lignin was not consumed during production of a full crop (78% biological efficiency) of shiitake (63-day harvest period). To produce P. sajor-caju, the spent shiitake substrate was ground, air dried, supplemented, pasteurized with live steam and spawned. Highest yields (79% biological efficiency) of P. sajor-caju were obtained by supplementing the spent shiitake basal medium with 12% soybean and 1% CaCO3. Increases in percentage biological efficiency and mushroom size were positively correlated with increasing levels of CaCO3 added to the basal medium.

161.
NAL Call No.: TD930.A32
Rice husk biodegradation by Pleurotus ostreatus to produce a ruminant feed.
Beg, S.; Zafar, S. I.; Shah, F. H. Agric-Wastes v.17(1): p.15-21. (1986)
Includes references.
Descriptors: pleurotus-ostreatus; rice-husks; biodegradation-; feeds-; fermentation-; nutritive-value; ruminants-; digestibility-; pakistan-

162.
NAL Call No.: TP248.24.B55
Saccharification and protein enrichment of sugar beet pulp by Pleurotus florida.
Di Lena, G.; Quaglia, G. B. Biotechnol-Tech v.6(6): p.571-574. (1992 Nov.-1992 Dec.)
Includes references.
Descriptors: pleurotus-florida; sugarbeet-pulp; fungal-protein; protein-synthesis; saccharification-; protein-content

163.
NAL Call No.: SB1.H6
Shiitake and oyster mushroom production on apple pomace and sawdust.
Worrall, J. J.; Yang, C. S. HortScience v.27(10): p.1131-1133. (1992 Oct.)
Includes references.
Descriptors: lentinula-edodes; pleurotus-ostreatus; substrates-; apple-pomace; sawdust-; mixtures-; crop-yield; new-york

Abstract: A mixture of apple pomace and sawdust was tested as a s production of shiitake [Lentinula edodes (Berk.) Pegler] and oyster mushroom [Pleurotus ostreatus (Jacq. ex Fr.) Kummer and P. sajor-caju

Fr.) Sing.] on synthetic logs. My- celia grew faster and more densely in logs containing apple pomace than in sawdust alone. Five shiitake isolates and two Pleurotus spp. produced higher fresh weights on a mixture of equal parts (by weight) of apple pomace and sawdust than on either substrate alone. An alternative substrate based on sawdust, millet (Panicum miliaceum L.) and wheat (Triticum aestivum L.), bran gave almost identical overall yield as pomace-sawdust medium, but there was a significant differential effect of the sustrates on yield of the two tested shiitake isolates. Analyses and experiments in vitro suggested that optimal N levels provided by apple pomace account in part for its effectiveness.

164.
NAL Call No.: QD415.A1J62
Solid-state fermentation of agricultural wastes into food through pleurotus cultivation.
Jwanny, E. W.; Rashad, M. M.; Abdu, H. M. Appl-biochem-biotechnol v.50(1): p.71-78. (1995 Jan.)
Includes references.
Descriptors: agricultural-wastes; fermentation-; pleurotus-ostreatus; mushrooms-; crop-production; food-composition; substrates-; mangoes-; dates-; rice-straw; maize-cobs; nutritive-value; carbohydrates-; lipids-; nucleic-acids; protein-content; amino-acids; mineral-content

Abstract: The technical feasibility of using agricultural wastes (mango and date industry wastes) as a substrate for the cultivation of Pleurotus ostreatus NRRL-0366 is evaluated. When comparing the biological efficiency of mushroom production, the highest yield of fruiting bodies was obtained using a mixture of date waste and rice straw at a ratio (1:1) (11.96%), followed by a mixture 3:1 (11.16%). The lowest one was the mixture 2:1 (9.19%). Fungus Pleurotus ostreatus NRRL-0366 can also be cultivated on mango waste supplemented with rice straw at a different ratio. The best one was the 1:1 mixture (10.18%), whereas the lowest was a mixture 3:1 (6.4%). Comparing the results obtained favored the use of date waste as a substrate for growing Pleurotus ostreatus NRRL-0366. Spawn was cultured on three different substrates as follows: Date waste alone (I); 1:1 (by wt) date waste and rice straw (II); 1:1:1 date waste, rice straw, and corncobs (III). Final dry weight and composition of the fruiting bodies are tabulated for the three sets of conditions. Date waste and rice straw mixture (II) is a good source of nonstarchy carbohydrate (67%) and protein (27.44%) containing amounts of essential amino acids, especially lysine and low RNA (3.81%). Elemental analysis were studied in the fruit bodies of the three media.

165.
NAL Call No.: QR1.E9
Solid state fermentation of orange peel and grape stalks by Pleurotus ostreatus, Agrocybe aegerita, and Armillariella mellea.
Nicolini, L.; Von Hunolstein, C.; Carilli, A. Appl-Microbiol-Biotech v.26(1): p.95-98. (1987 Apr.)
Includes references.
Descriptors: orange-peel; grape-residues; pleurotus-ostreatus; agrocybe-aegerita; armillaria-mellea; fermentation-; feeds-

166.
NAL Call No.: 80-M972
Some aspects on the cultivation of Pleurotus flabellatus in India.
Bano, Z.; Rajarathnam, S.; Nagaraja, N.; International Congress on the Science and Cultivation of Edible Fungi, 1. F. 1. Mushroom-Sci. Peterborough, Eng., International Society for Mushroom Science. 1979. v. 10 (pt.2) p. 597-608. ill.
15 ref.
Descriptors: India-

167.
NAL Call No.: 22-M262
Spawn composition on the sporophore yield of oyster mushroom.
Sivaprakasam, K.; Kandasamy, T. K. Madras-Agric-J. Coimbatore : K.K. Mathan. Feb 1983. v. 70 (2) p. 117-120.
Includes references.

168.
NAL Call No.: SB353.I5
Spawn production of Agaricus bisporus and Pleurotus sajor-caju in glass milk bottles using rubber cork of glucose bottles--a substitute for non-absorbent cotton.
Suman, B. C.; Kumar, S. Indian-J-Mushrooms v.8(1/2): p.41-43. (1982 Jan.-1982 Dec.)
Includes references.

169.
NAL Call No.: SB353.I5
Spawn production of Agaricus bisporus and Pleurotus sajor-caju in glass milk bottles using rubber cork of glucose bottles--a substitute for non-absorbent cotton.
Suman, B. C.; Kumar, S. Indian-J-Mushrooms v.8(1/2): p.41-43. (1982 Jan.-1982 Dec.)
Includes references.

170.
NAL Call No.: QK617.T28
Sporeless strains-A necessity in the production of Pleurotus ostreatus.
Eger, G. Taiwan-Mushrooms. Taipei, T'ai-wan yang ku tsa chi she. Nov 1977. v. 1 (3) p. 79-82. ill.
5 ref.

171.
NAL Call No.: 389.8-IN25
Standardization of mushroom (Pleurotus Sp.) pickle in oil
Singh, N. S.; Bano, Z. Indian-Food-Pack, Sept/Oct 1977, 31 (5): 18-19.

172.
NAL Call No.: TX612.M8S3
Stipe preservation of edible mushroom Pleurotus ostreatus and partial autolysis of mushroom cell wall. Untersuchungen zur Konservierung der Fruchtkorper des Speisepilzes Pleurotus ostreatus (Jacq. ex Fr.) Kummer und der partiellen Autolyse von Pilzzelwanden von Helga Schmitz. Untersuchungen zur Konservierung der Fruchtkorper des Speisepilzes Pleurotus ostreatus (Jacq. ex Fr.) Kummer und der partiellen Autolyse von Pilzzelwanden von Helga Schmitz.
Schmitz, H. Vaduz : J. Cramer, 1980. 98 p. : ill., Spine title: Pleurotus ostreatus.
Descriptors: Mushrooms-Preservation; Pleurotus-; Autolysis-

173.
NAL Call No.: TD930.A32
Studies of the cultivation of Pleurotus tuber-regium (FR) Sing. le mushroom.
Okhuoya, J. A.; Etugo, J. E. Bioresource-Technol v.44(1): p.1-3. (1993)
Includes references.
Descriptors: pleurotus-tuber-regium; growing-media; cultivation-; nigeria-

174.
NAL Call No.: RM1.C5
Studies on antitumor activity of some fractions from Basidiomyces. i. an antitumor acidic polysaccharide fraction of Pleurotus ostreatus (Fr.) Quel
Yoshioka, Y.; Ikekawa, T.; Noda, M.; Fukuoka, F. Chem-Pharm-Bull, June 1972, 20 (6): 1175-1180. Ref.

175.
NAL Call No.: SB950.P47
Studies on chemical control of sciarid fly of mushroom (Pleurotus sajor-caju) [Lycoriella auripila].
Sarkar, B. B.; Chatterjee, M. L.; Chakravarty, D. K. Pestology v.6(5): p.5-8. (1982 May)
Includes references.

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176.
NAL Call No.: SB950.P47
Studies on chemical control of sciarid fly of mushroom (Pleurotus sajor-caju) [Lycoriella auripila].
Sarkar, B. B.; Chatterjee, M. L.; Chakravarty, D. K. Pestology v.6(5): p.5-8. (1982 May)
Includes references.

177.
NAL Call No.: 388-J822
Studies on constituents of edible fungi. II. Chemical constituents of Pleurotus ostreatus.
Kazuno, C.; Miura, H. Nippon-Shokuhin-Kogyo-Gakkaishi-J-Jap-Soc-Food-Sci-Tech v.32(5): p.338-343. ill. (1985)
Includes 25 references.
Descriptors: edible-fungi; chemical-constituents-of-plants; pleurotus-

178.
NAL Call No.: TX501.F6
Studies on Pleurotus tuber-regium (Fries) Singer: cultivation, proximate composition and mineral contents of sclerotia.
Fasidi, I. O.; Ekuere, U. U. Food-chem v.48(3): p.255-258. (1993)
Includes references.
Descriptors: mushrooms-; pleurotus-tuber-regium; proximate-analysis; mineral-content; yields-; cultivation-; organic-wastes; cellulose-; sclerotia-

Abstract: Studies were conducted on the growth and cultivation of Pleurotus tuber-regium on local cellulosic wastes. Andropogon tectorum straw supported the greatest mycelial growth, and cotton and oil palm pericarp wastes supported the least. For cultivation of edible sclerotia, cotton waste and rice straw gave the highest yield and banana leaves gave the lowest. However, with regard to protein, lipid, ethanol-soluble sugar, crude fibre, calcium and magnesium contents, the sclerotia grown on banana leaves were the richest. In contrast, the sclerotia cultivated on corn cob were the poorest in sodium, potassium, calcium, magnesium and phosphorus contents. In all the sclerotia cultivated on banana leaves, corn cob, cotton waste and rice straw, protein and potassium were the most abundant nutrients. These results are discussed in relation to the prospect of cultivating P. tuber-regium in Nigeria.

179.
NAL Call No.: SB352.85.M57--Suppl.10
Studies on preservation possibilities of the oyster mushroom (Pleurotus sp.) with lactic acid fermentation. Untersuchungen uber Konservierungsmoglichkeiten des Austernpilzes (Pleurotus sp.) durch Milchsauregarung.
Kress, M. Krefeld-Grosshuttenhof : Versuchanstalt fur Pilzanbau der Landwirtschaftskammer Rheinland, 1991. 195 p. : ill., Summary in English.

180.
NAL Call No.: 107.6-IW93
Studies on the cultivation period of Pleurotus ostreatus and Flammulina velutipes [Mushrooms].
Nagano, S.; Omori, S.; Yoshida, E. J-Fac-Agric-Iwate-Univ v.16(3): p.163-168. ill. (1983 Nov.)
Includes references.

181.
NAL Call No.: 107.6-IW93
Studies on the cultivation period of Pleurotus ostreatus and Flammulina velutipes [Mushrooms].
Nagano, S.; Omori, S.; Yoshida, E. J-Fac-Agric-Iwate-Univ v.16(3): p.163-168. ill. (1983 Nov.)
Includes references.

182.
NAL Call No.: 80-AC82
Studies on the metabolic activity of oyster mushrooms (Pleurotus ostreatus Jacq).
Bohling, H.; Hansen, H. Acta-Hortic (258): p.573-577. (1989 Dec.)
Paper presented at the "International Symposium on Postharvest Handling of Fruits and Vegetables," August 29-September 2, 1988, Leuven, Belgium.
Descriptors: pleurotus-ostreatus; controlled-atmosphere-storage; temperature-; atmosphere-; composition-; postharvest-physiology; respiration-rate; storage-decay; carbohydrates-

183.
NAL Call No.: S584.K8H3
Studies on the physio-chemical properties and the cultivation of oyster mushroom (Pleurotus ostreatus).
Hong, J. S. Han'guk-Nonghwa-Hakhoe-Chi-J-Korean-Agric-Chem-Soc. Suwon, The Society. Sept 1978. v. 21 (3) p. 150-184. ill.
44 ref.

184.
NAL Call No.: TX501.F6
Studies on the requirements for vegetative growth of Pleurotus tuber-regium (Fr.) Singer, a Nigerian mushroom.
Fasidi, I. O.; Olorunmaiye, K. S. Food-chem v.50(4): p.397-401. (1994)
Includes references.
Descriptors: mushrooms-; pleurotus-tuber-regium; nutrient-requirements; mycelium-; growth-; carbohydrates-; nitrogen-; carbon-; ratios-; trace-elements; vitamins-; plant-growth-regulators; minerals-; plant-nutrition

Abstract: Growth requirements of Pleurotus tuber-regium (Fr.) Singer, a Nigerian edible mushroom, were studied. Among the carbohydrates tested, glucose was the most utilised. This was followed in order by mannitol, maltose, and dextrin, which significantly enhanced mycelial growth ($P < 0.01$). Cellulose was the least stimulatory. Of the nitrogen compounds tested, yeast extract supported the greatest growth, which was comparable with that induced by glucose. This was followed in order by asparagine, casein, glycine, and calcium nitrate. Sodium nitrate, potassium nitrate, and ammonium sulphate supported the poorest growth. The best C/N ratio that sustained good growth was 1:4. This was followed by 4:1. Similarly, thiamine, pyridoxine, GA3 (1 and 10 ppm), 2,4-D (10 ppm), Ca, K, Cu, and Zn supported relatively good mycelial growth. The implication of these results is discussed in relation to the cultivation of P. tuber-regium in Nigeria.

185.
NAL Call No.: 464.8-IN2
Studies on vitamin requirements of some edible fungi [Pleurotus sojor-caju Podaxis pistillaris, Phellorina inquinans]
Jandaik, C. L.; Kapoor, J. N. Indian-Phytopathol, Sept 1976 (Pub. 1977), 29 (3): 259-261.

186.
NAL Call No.: S19.F63
A study of certain cultivation aspects of oyster mushroom (Pleurotus sajor-caju (Fr.) Singer.)
Chinchore, S. B.; Shinde, P. A. Food-Farming-Agric, Apr 1978, 9 (10): 322-326. Ref.

187.
NAL Call No.: QH345.A1P73
Study of oxidative enzymes of the lignin-degrading fungus Pleurotus ostreatus
Ulezlo, I. V.; Uporova, T. M.; Feniksova, R. V. Appl-Biochem-Microbiol, July/Aug 1975 (Transl 1976), 11 (4): 479-482. Ref.
Translated from Prikladnaia Biokhimiia Mikrobiologiia 11 (4): 535-538. (385 P93)

188.
NAL Call No.: TX541.D33
Study of the growth and biomass composition of the edible mushroom Pleurotus Ostreatus.
Martin, A. M. Dev-Food-Sci. Amsterdam : Elsevier Scientific Publications. 1992. v. 29 p. 239-248.
In the series analytic: Food science and human nutrition / edited by G. Charalambous.
Descriptors: pleurotus-ostreatus; culture-media; growth-; chemical-composition; proximate-analysis; amino-acids

189.
NAL Call No.: QK617.T28
Study on the effects of environmental factors light intensity, temperature, humidity on development of abalone mushroom (Pleurotus abalonus).
Cheng, H.; Han, Y. H. Taiwan-Mushrooms. Taipei, T'ai-wan yang ku tsa chi she. Mar 1977. v. 1 (1) p. 2-10. ill.
9 ref.
Descriptors: Taiwan-

190.
NAL Call No.: 475-SCI23
Trace element nutrition of mushroom Pleurotus sajorcaju (Fr.) Singer
Jandaik, C. L. Curr-Sci, Aug 20, 1976, 45 (16): 604.

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191.
NAL Call No.: 470-C16D
The tripartite relationship in gill-knot disease of the oyster mushroom, Pleurotus ostreatus
Tsuda, K.; Kosaka, H.; Futai, K. Can-j-zool v.74(8): p.1402-1408. (1996 Aug.)
Includes references.
Descriptors: pleurotus-ostreatus; plant-diseases; tylenchidae-; plant-parasitic-nematodes; entomophilic-nematodes; life-cycle; diptera-; disease-vectors; fungal-morphology; plant-pathology; honshu-; iotonchium-; rhymosia-domestica; fruiting-bodies; knot-formation

192.
NAL Call No.: 391.8-T66
Twenty-five cases of poisoning by the mushroom Pleurotus olearius
Maretic, Z.; Russell, F. E.; Golobic, V. Toxicon, Nov 1975, 13 (5): 379-381.

193.
NAL Call No.: SB353.I57-1981
The use of cotton seed hulls for the cultivation of Pleurotus sajor-caju in Australia.
Cho, K. Y.; Nair, N. G.; Bruniges, P. A.; New, P. B. Proceedings of the Eleventh International Scientific Congress on the Cultivation of Edible Fungi, Australia, 1981 / edited by N.G. Nair, A.D. Clift. Sydney : [s.n.], 1981. v. 1 p. 679-690. ill.
Includes references.
Descriptors: pleurotus-sajor-caju; cultivation-; substrates-; cottonseed-husks; environmental-factors; mycelium-; growth-; australia-

194.
NAL Call No.: QD1.A45
Use of hemicelluloses and cellulose and degradation of lignin by Pleurotus sajor-caju grown on corn

stalks.
Chahal, D. S.; Hachey, J. M. A-C-S-Symp-Ser-Am-Chem-Soc (433): p.304-310. (1990)
In the series analytic: Agricultural and synthetic polymers, biogradability and utilization / edited by J.E. Glass and G. Swift.
Descriptors: pleurotus-sajor-caju; lignin-; degradation-; mycelium-; biomass-; cellulose-; hemicelluloses-; maize-stover

Abstract: Pleurotus sajor-caju is capable of utilizing polysaccharides (cellulose + hemicelluloses) from corn stalks pretreated with 1.5% sodium hydroxide at 121 degrees C for 1 h. The final product, mycelial biomass, contained about 40% crude protein which can be used as a food or feed. During fermentation of polysaccharides, lignin (oligolignols) of corn stalks was depolymerized into oligolignols of progressively lower molecular weight (MW). However, there is some evidence that repolymerization of oligolignols of low MW into oligolignols of high MW is also occurring.

195.
NAL Call No.: SB299.P3D4
Use of one-year old canes of deciduous trees for inoculation material of Pleurotus ostreatus.
Agaoglu, Y. S.; Kocyigit, A. E. Dev-Crop-Sci. Amsterdam : Elsevier Scientific Pub. Co. 1987. v. 10 p. 555-562. ill.
In the series analytic: Cultivating edible fungi / edited by P.J. Wuest, D.J. Royse and R.B. Beelman. Proceedings of an International Symposium, July 15-17, 1986, University Park, Pennsylvania.
Descriptors: pleurotus-ostreatus; inoculation-; materials-; woody-plants; canes-and-rattans; mycelium-; growth-rate; wood-pieces

196.
NAL Call No.: SF380.73.I5P47-1983
The use of Pleurotus sp. in improving the nutritive value of rice straw as sheep feed. Penggunaan Pleurotus sp. untuk meningkatkan nilai nutrisi jerami padi sebagai pakan domba. Penggunaan Pleurotus sp. untuk meningkatkan nilai nutrisi jerami padi sebagai pakan domba.
Soeyono, M.; Areubi, M. D.; Soedomo; Hartadi, H. Domba dan kambing di Indonesia = Sheep and goats in Indonesia ; proceedings : Pertemuan Ilmiah Penelitian Ruminansia Kecil = Mtg. Small Ruminant Research, Bogor, Indonesia, Nov 22-23, 1983 / [Ed.] M. Rangkuti...[et al.]]. [Bogor?] : Pusat Penelitian dan Pengembangan Peternakan, 1984. p. 28-31.
Includes references.
Descriptors: sheep-feeding; rice-straw; nutritive-value; pleurotus-; feed-intake; digestibility-; indonesia-

197.
NAL Call No.: SB299.P3D4
The use of polyethylene film to control the fructification of Pleurotus spp. grown on horizontal trays.
Brooke Webster, D.; Cairns, A. A. Dev-Crop-Sci. Amsterdam : Elsevier Scientific Pub. Co. 1987. v. 10 p. 433-436.
In the series analytic: Cultivating edible fungi / edited by P.J. Wuest, D.J. Royse and R.B. Beelman. Proceedings of an International Symposium, July 15-17, 1986, University Park, Pennsylvania.
Descriptors: pleurotus-; cultivation-methods; trays-; polyethylene-film; mushroom-casing-soils

198.
NAL Call No.: SB1.H6
Using basidiospores of the oyster mushroom to prepare grain spawn for mushroom cultivation.
San Antonio, J. P.; Hanners, P. K. Hortscience v.19(5): p.684-686. ill. (1984 Oct.)
Includes 10 references.

199.
NAL Call No.: S322.S55S55
Utilisation of cotton waste substrate with temperature treatment for the cultivation of oyster mushroom (Pleurotus) in Singapore.

Poo Chow, L. Singapore-J-Primary-Ind. Singapore, Primary Production Department. Jan 1980. v. 8 (1) p. 21-27. ill.
7 ref.
Descriptors: Singapore-

200.
NAL Call No.: S19.P8
Utilization of coffee waste as a source of carbon for the production of fungal protein (SCP) as animal feed, Pleurotus osteratus.
Sood, S. M.; Sethi, R. P.; Sharma, B. N.; Ghai, S. K. J-Res-Punjab-Agric-Univ. Ludhiana, The University. Mar 1979. (pub. 1980) v. 16 (1) p. 69-73.
16 ref.

201.
NAL Call No.: 448.3-C332
Utilization of fat and degradation of cholesterol by Pleurotus spp. Fungi.
Ginterova, A.; Janotkova, O. Folia-Microbiol. Praha, Academia. 1981. v. 26 (3) p. 288-231. ill.
10 ref.

202.
NAL Call No.: 388-J822
Utilization of Job's-tears husk, peanut shell, lawn grass and porous stone for cultivation of oyster mushroom (Pleurotus ostreaus (Jacq. ex Fr) Quel.) [Japan].
Yamashita, I.; Mori, T.; Iino, K.; Yanai, S. Nippon-Shokuhin-Kogyo-Gakkaishi-J-Jap-Soc-Food-Sci-Tech v.30(12): p.693-697. (1983)
Includes references.
Descriptors: Japan-

203.
NAL Call No.: 388-J822
Utilization of Job's-tears husk, peanut shell, lawn grass and porous stone for cultivation of oyster mushroom (Pleurotus ostreaus (Jacq. ex Fr) Quel.) [Japan].
Yamashita, I.; Mori, T.; Iino, K.; Yanai, S. Nippon-Shokuhin-Kogyo-Gakkaishi-J-Jap-Soc-Food-Sci-Tech v.30(12): p.693-697. (1983)
Includes references.
Descriptors: Japan-

204.
NAL Call No.: QR97.X46B56
Utilization of lignocellulosic waste by the edible mushroom, Pleurotus.
Hadar, Y.; Kerem, Z.; Gorodecki, B.; Ardon, O. Biodegradation v.3(2/3): p.189-205. (1992)
In the Special Issue: Microorganisms to Combat Pollution / edited by E. Rosenberg. Paper presented at an International Workshop on the "Use of Microorganisms to Combat Pollution," May 10-18, 1992, Israel.
Descriptors: lignocellulose-; agricultural-wastes; cellulosic-wastes; pleurotus-; edible-fungi; biodegradation-; fermentation-; waste-utilization; cellulose-digestion; lignin-; in-vitro-digestibility; ultrastructure-; plant-residues; fees-; ruminants-; solid-state-fermentation; cotton-stalks

205.
NAL Call No.: S592.5.S63
Utilization of poplar [Populus] wood by Pleurotus ostreatus (Jacq. ex Fr.) **Kummer [wood-decaying fungi] in the presence of thiamine, urea and lime**
Takats, T. In Soil Biology and Conservation of the Biosphere. J. Szegi, ed. 1977, p. 277-286.

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206.
NAL Call No.: QH301.I54
Utilization of waste paper and tea leaves to cultivate Pleurotus ostreatus Oyster mushroom.
Harsh, N. S. K.; Bisht, N. S.; Upreti, J. C. Int-Biodeterior-Bull. Birmingham, Eng., Biodeterioration Information Centre. Autumn 1981. v. 17 (3) p. 77-78.
Includes 9 ref.
Descriptors: India-

207.
NAL Call No.: TD930.A32
Utilization of water hyacinth for oyster mushroom cultivation.
Murugesan, A. G.; Vijayalakshmi, G. S.; Sukumaran, N.; Mariappan, C. Bioresour-technol v.51(1): p.97-98. (1995)
Includes references.
Descriptors: pleurotus-sajor-caju; horticulture-; biomass-; eichhornia-crassipes; rice-straw; substrates-; mushroom-culture

208.
NAL Call No.: 64.8-M41
Vitamin values of Pleurotus mushrooms.
Bano, Z.; Rajarathnam, S. Qual-Plant-Plant-Foods-Human-Nutr. Dordrecht : Martinus Nijhoff/W. Junk Publishers. 1986. v. 36 (1) p. 11-15.
Includes references.
Descriptors: pleurotus-flabellatus; pleurotus-eous; pleurotus-sajor-caju; pleurotus-florida; vitamin-content; india-

209.
NAL Call No.: SB353.M8
Waste materials for the cultivation of Pleurotus sajor-caju Oyster mushroom, India.
Sivaprakasam, K.; Kandaswamy, T. K. Mushroom-J. London, Mushroom Growers' Association. May 1981. (101) p. 178-179.
6 ref.
Descriptors: India-

210.
NAL Call No.: QR1.L47
Whey permeate as a growth medium for Pleurotus ostreatus and Lentinus edodes.
Di Lena, G.; Sermanni, G. G. Lett-appl-microbiol v.19(5): p.391-393. (1994 Nov.)
Includes references.
Descriptors: lentinula-edodes; pleurotus-ostreatus; cell-culture; culture-media; whey-; ultrafiltration-; monophenol-monooxygenase; biosynthesis-

211.
NAL Call No.: 448.3-AP5
Yellow blotch of Pleurotus ostreatus.
Bessette, A. E.; Kerrigan, R. W.; Jordan, D. C. Applied-Environ-Microbiol v.50(6): p.1535-1537. ill. (1985 Dec.)
Includes 18 references.
Descriptors: pleurotus-ostreatus; pseudomonas-; california-; pseudomonas-agarici

212.
NAL Call No.: QR1.E9
Yield and size of Pleurotus ostreatus and Pleurotus sajor-caju as effected by delayed-release

nutrient.
Royse, D. J.; Schisler, L. C. Appl-Microbiol-Biotech v.26(2): p.191-194. (1987 May)
Includes references.
Descriptors: pleurotus-ostreatus; pleurotus-sajor-caju; mushrooms-; growth-; wheat-straw; maize-cobs; substrates-; nutrient-intake

213.
NAL Call No.: SB353.I57-1981
Yield performance of different strains of oyster mushrooms (Pleurotus spp.) on paddy straw in Pakistan.
Khan, S. M.; Kausar, A. G.; Ali, M. A. Proceedings of the Eleventh International Scientific Congress on the Cultivation of Edible Fungi, Australia, 1981 / edited by N.G. Nair, A.D. Clift. Sydney : [s.n.], 1981. v. 1 p. 675-678.
Includes references.
Descriptors: pleurotus-ostreatus; pleurotus-florida; pleurotus-sajor-caju; yields-; rice-straw; substrates-; pakistan-

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