DAFTAR PUSTAKA

Abd Razak, D. L., Jamaluddin, A., Abd Rashid, N. Y., Abd Ghani, A., & Abdul Manan, M. (2019). Assessment of fermented broken rice extracts for their potential as functional ingredients in cosmeceutical products. *Annals of Agricultural Sciences*, *64*(2), 176–182. https://doi.org/10.1016/j.aoas.2019.11.003

Adebo, O. A., Kayitesi, E., Tugizimana, F., & Njobeh, P. B. (2019). Differential metabolic signatures in naturally and lactic acid bacteria (LAB) fermented ting (a Southern African food) with different tannin content, as revealed by gas chromatography mass spectrometry (GC–MS)-based metabolomics. *Food Research International*, *121*, 326–335. https://doi.org/10.1016/j.foodres.2019.03.050

Adl, S. M., Bass, D., Lane, C. E., Lukeš, J., Schoch, C. L., Smirnov, A., Agatha, S., Berney, C., Brown, M. W., Burki, F., Cárdenas, P., Čepička, I., Chistyakova, L., del Campo, J., Dunthorn, M., Edvardsen, B., Eglit, Y., Guillou, L., Hampl, V., … Zhang, Q. (2019). Revisions to the Classification, Nomenclature, and Diversity of Eukaryotes. *Journal of Eukaryotic Microbiology*, *66*(1), 4–119. https://doi.org/10.1111/jeu.12691

Agale, S. V., Gopalakrishnan, S., Ambhure, K. G., Chandravanshi, H., Gupta, R., & Wani, S. P. (2018). Mass Production of Entomopathogenic Fungi (Metarhizium anisopliae) using Different Grains as a Substrate. *International Journal of Current Microbiology and Applied Sciences*, *7*(1), 2227–2232. https://doi.org/10.20546/ijcmas.2018.701.268

Agrawal, K., Chaturvedi, V., & Verma, P. (2018). Fungal laccase discovered but yet undiscovered. *Bioresources and Bioprocessing*, *5*(1), 4. https://doi.org/10.1186/s40643-018-0190-z

Ali, S., Yousaf, N., Usman, M., Javed, M. A., Nawaz, M., Ali, B., Azam, M., Ercisli, S., Tirasci, S., & Ahmed, A. E. (2024). *Volvariella volvacea* (paddy straw mushroom): A mushroom with exceptional medicinal and nutritional properties. *Heliyon*, *10*(21). https://doi.org/10.1016/j.heliyon.2024.e39747

Andriani, A., Agustriana, E., Perwitasari, U., Wahyuwati, F. A., Hastuty, A., Ferdian, P. R., & Trismilah. (2024). High melanin degradation by laccase from a novel isolated white rot fungi Trametes polyzona 023 in the presence of phenolic compounds. *Bioresource Technology Reports*, *27*. https://doi.org/10.1016/j.biteb.2024.101923

Andriani, A., Sukorini, A., Perwitasari, U., & Yopi. (2019). Enhancement of laccase production in a new isolated Trametes hirsuta LBF-AA017 by lignocellulosic materials and its application for removal of chemical dyes. *IOP Conference Series: Earth and Environmental Science*, *308*(1), 012015. https://doi.org/10.1088/1755-1315/308/1/012015

Andriani, A., & Yanto, D. H. Y. (2024). Fungal Applications in Skincare Products. In *Biomass-based Cosmetics* (pp. 113–132). Springer Nature Singapore. https://doi.org/10.1007/978-981-97-1908-2_5

Anthony Mescher. (2010). *Junqueira's Basic Histology: Text and Atlas, 12th Edition* (12th ed.). EGC.

Asemoloye, M. D., Marchisio, M. A., Gupta, V. K., & Pecoraro, L. (2021). Genome-based engineering of ligninolytic enzymes in fungi. In *Microbial Cell Factories* (Vol. 20, Issue 1). BioMed Central Ltd. https://doi.org/10.1186/s12934-021-01510-9

Baiocco, P., Barreca, A. M., Fabbrini, M., Galli, C., & Gentili, P. (2003). Promoting laccase activity towards non-phenolic substrates: a mechanistic investigation with some laccase–mediator systems. *Org. Biomol. Chem.*, *1*(1), 191–197. https://doi.org/10.1039/B208951C

Bao, D., Gong, M., Zheng, H., Chen, M., Zhang, L., Wang, H., Jiang, J., Wu, L., Zhu, Y., Zhu, G., Zhou, Y., Li, C., Wang, S., Zhao, Y., Zhao, G., & Tan, Q. (2013). Sequencing and Comparative Analysis of the Straw Mushroom (*Volvariella volvacea*) Genome. *PLoS ONE*, *8*(3). https://doi.org/10.1371/journal.pone.0058294

Bao, D., & Wang, H. (2015). Identification and Application of *Volvariella volvacea* Mating Type Genes to Mushroom Breeding. In *Mushroom Biotechnology: Developments and Applications* (pp. 191–201). Elsevier. https://doi.org/10.1016/B978-0-12-802794-3.00011-4

Bhattacharyya, A., Ahmed, M., Wadhwa, R., Aggarwal, S., Mustafiz, A., & Rajagopalan, G. (2022). High Production of Trametes cinnabarina Laccase (lac1) by Suspended and Immobilized Cells of Recombinant Pichia pastoris from Crude Glycerol. *Waste and Biomass Valorization*, *13*(4), 2149–2168. https://doi.org/10.1007/s12649-021-01661-1

Boonsong, S., Klaypradit, W., & Wilaipun, P. (2016). Antioxidant activities of extracts from five edible mushrooms using different extractants. *Agriculture and Natural Resources*, *50*(2), 89–97. https://doi.org/10.1016/j.anres.2015.07.002

BPOM. (2023). *BPOM Temukan Lebih Dari 2 Juta Pieces Produk Mengandung Bahan Dilarang/Berbahaya*. Badan Pengawasan Obat Dan Makanan. https://www.pom.go.id/berita/bpom-temukan-lebih-dari-2-juta-pieces-produk-mengandung-bahan-dilarang-berbahaya

Carmona-Ribeiro, A. M., Prieto, T., & Nantes, I. L. (2015). Nanostructures for peroxidases. *Frontiers in Molecular Biosciences*, *2*. https://doi.org/10.3389/fmolb.2015.00050

Chen, J., Chen, T., Qiu, M., Li, L., Zhong, Q., Wei, Q., Deng, Y., Xie, B., Jiang, Y., & Chen, B. (2021). Identification of ACC synthetase genes in *Volvariella*

volvacea and analysis of their response to ethephon and 1-methylcyclopropene treatments. *Scientia Horticulturae*, *278*. https://doi.org/10.1016/j.scienta.2020.109848

Chen, S. (2003). Induction of laccase activity in the edible straw mushroom, *Volvariella volvacea*. *FEMS Microbiology Letters*, *218*(1), 143–148. https://doi.org/10.1016/S0378-1097(02)01131-X

Cheung, L. M., Cheung, P. C. K., & Ooi, V. E. C. (n.d.). *Antioxidant activity and total phenolics of edible mushroom extracts*. www.elsevier.com/locate/foodchem

Chien, C. C., Tsai, M. L., Chen, C. C., Chang, S. J., & Tseng, C. H. (2008). Effects on tyrosinase activity by the extracts of Ganoderma lucidum and related mushrooms. *Mycopathologia*, *166*(2), 117–120. https://doi.org/10.1007/s11046-008-9128-x

Da Luz Calado, M., Silva, J., Alves, C., Susano, P., Santos, D., Alves, J., Martins, A., Gaspar, H., Pedrosa, R., & Campos, M. J. (2021). Marine endophytic fungi associated with Halopteris scoparia (Linnaeus) Sauvageau as producers of bioactive secondary metabolites with potential dermocosmetic application. *PLoS ONE*, *16*(5 May). https://doi.org/10.1371/journal.pone.0250954

Dadzie, O. E., & Petit, A. (2009). Skin bleaching: Highlighting the misuse of cutaneous depigmenting agents. In *Journal of the European Academy of Dermatology and Venereology* (Vol. 23, Issue 7, pp. 741–750). https://doi.org/10.1111/j.1468-3083.2009.03150.x

Draelos, Z. D. (2019). Cosmeceuticals: What's Real, What's Not. In *Dermatologic Clinics* (Vol. 37, Issue 1, pp. 107–115). W.B. Saunders. https://doi.org/10.1016/j.det.2018.07.001

Dulay, R. M. R., Vicente, J. J. A., Dela Cruz, A. G., Gagarin, J. M., Fernando, W., Kalaw, S. P., & Reyes, R. G. (2016). Antioxidant activity and total phenolic content of *Volvariella volvacea* and Schizophyllum commune mycelia cultured in indigenous liquid media. *Mycosphere*, *7*(2), 131–138. https://doi.org/10.5943/mycosphere/7/2/4

Dullah, S., Hazarika, D. J., Goswami, G., Borgohain, T., Ghosh, A., Barooah, M., Bhattacharyya, A., & Boro, R. C. (2021). Melanin production and laccase mediated oxidative stress alleviation during fungal-fungal interaction among basidiomycete fungi. *IMA Fungus*, *12*(1), 33. https://doi.org/10.1186/s43008-021-00082-y

Emwas, A.-H. M., Al-Talla, Z. A., Yang, Y., & Kharbatia, N. M. (2015). *Gas Chromatography–Mass Spectrometry of Biofluids and Extracts* (pp. 91–112). https://doi.org/10.1007/978-1-4939-2377-9_8

Ferraroni, M., Myasoedova, N. M., Schmatchenko, V., Leontievsky, A. A., Golovleva, L. A., Scozzafava, A., & Briganti, F. (2007). Crystal structure of a

blue laccase from Lentinus tigrinus: Evidences for intermediates in the molecular oxygen reductive splitting by multicopper oxidases. *BMC Structural Biology*, *7*. https://doi.org/10.1186/1472-6807-7-60

Gad, S. C., & Pham, T. (2014). Hydroquinone. In *Encyclopedia of Toxicology* (pp. 979–981). Elsevier. https://doi.org/10.1016/B978-0-12-386454-3.00855-1

Galhaup, C., & Haltrich, D. (2001). Enhanced formation of laccase activity by the white-rot fungus Trametes pubescens in the presence of copper. *Applied Microbiology and Biotechnology*, *56*(1–2), 225–232. https://doi.org/10.1007/s002530100636

Ghobad-Nejhad, M., Dima, B., Cui, B.-K., & Si, J. (2023). Editorial: Basidiomycete fungi: From biosystematics and biodiversity to biotechnology. *Frontiers in Microbiology*, *14*. https://doi.org/10.3389/fmicb.2023.1128319

Goldstein, J. I., Newbury, D. E., Echlin, P., Joy, D. C., Lyman, C. E., Lifshin, E., Sawyer, L., & Michael, J. R. (2003). *Scanning Electron Microscopy and X-ray Microanalysis*. Springer US. https://doi.org/10.1007/978-1-4615-0215-9

He, M. Q., Zhao, R. L., Liu, D. M., Denchev, T. T., Begerow, D., Yurkov, A., Kemler, M., Millanes, A. M., Wedin, M., McTaggart, A. R., Shivas, R. G., Buyck, B., Chen, J., Vizzini, A., Papp, V., Zmitrovich, I. V., Davoodian, N., & Hyde, K. D. (2022). Species diversity of Basidiomycota. In *Fungal Diversity* (Vol. 114, Issue 1, pp. 281–325). Springer Science and Business Media B.V. https://doi.org/10.1007/s13225-021-00497-3

Hofrichter, M. (2002). Review: lignin conversion by manganese peroxidase (MnP). *Enzyme and Microbial Technology*, *30*(4), 454–466. https://doi.org/10.1016/S0141-0229(01)00528-2

Hou, D., Yousaf, L., Xue, Y., Hu, J., Wu, J., Hu, X., Feng, N., & Shen, Q. (2019). Mung bean (Vigna radiata L.): Bioactive polyphenols, polysaccharides, peptides, and health benefits. In *Nutrients* (Vol. 11, Issue 6). MDPI AG. https://doi.org/10.3390/nu11061238

Ire, F., & Ahuekwe, E. (2016). Production of Fungal Laccase Using Orange Peelings as Substrate by Submerged Static Fermentation. *British Microbiology Research Journal*, *15*(5), 1–19. https://doi.org/10.9734/BMRJ/2016/27257

Janusz, G., Pawlik, A., Sulej, J., Świderska-Burek, U., Jarosz-Wilkołazka, A., & Paszczyński, A. (2017). Lignin degradation: microorganisms, enzymes involved, genomes analysis and evolution. *FEMS Microbiology Reviews*, *41*(6), 941–962. https://doi.org/10.1093/femsre/fux049

Kalangi, S. J. R. (2014). HISTOFISIOLOGI KULIT. *JURNAL BIOMEDIK (JBM)*, *5*(3). https://doi.org/10.35790/jbm.5.3.2013.4344

Karolina, R. (n.d.). *SCANNING ELECTRON MICROSCOPE (SEM) TM 3000: TEORI DAN APLIKASINYA*. https://www.researchgate.net/publication/370953162

Khan, B. A., Mahmood, T., Menaa, F., Shahzad, Y., Yousaf, A. M., Hussain, T., & Ray, S. D. (2019). New Perspectives on the Efficacy of Gallic Acid in Cosmetics & Nanocosmeceuticals. *Current Pharmaceutical Design*, *24*(43), 5181–5187. https://doi.org/10.2174/1381612825666190118150614

Kumar, A., & Chandra, R. (2020). Ligninolytic enzymes and its mechanisms for degradation of lignocellulosic waste in environment. In *Heliyon* (Vol. 6, Issue 2). Elsevier Ltd. https://doi.org/10.1016/j.heliyon.2020.e03170

Langfelder, K., Streibel, M., Jahn, B., Haase, G., & Brakhage, A. A. (2003). Biosynthesis of fungal melanins and their importance for human pathogenic fungi. *Fungal Genetics and Biology*, *38*(2), 143–158. https://doi.org/10.1016/S1087-1845(02)00526-1

Levin, L., Forchiassin, F., & Ramos, A. M. (2002). Copper induction of lignin-modifying enzymes in the white-rot fungus *Trametes trogii*. *Mycologia*, *94*(3), 377–383. https://doi.org/10.1080/15572536.2003.11833202

Liu, Z., Zhang, K., Lin, J. F., & Guo, L. Q. (2011). Breeding cold tolerance strain by chemical mutagenesis in *Volvariella volvacea*. *Scientia Horticulturae*, *130*(1), 18–24. https://doi.org/10.1016/j.scienta.2011.06.020

Matera, I., Gullotto, A., Tilli, S., Ferraroni, M., Scozzafava, A., & Briganti, F. (2008). Crystal structure of the blue multicopper oxidase from the white-rot fungus Trametes trogii complexed with p-toluate. *Inorganica Chimica Acta*, *361*(14–15), 4129–4137. https://doi.org/10.1016/j.ica.2008.03.091

Meletiadis, J., Meis, J. F. G. M., Mouton, J. W., & Verweij, P. E. (2001). Analysis of Growth Characteristics of Filamentous Fungi in Different Nutrient Media. *Journal of Clinical Microbiology*, *39*(2), 478–484. https://doi.org/10.1128/JCM.39.2.478-484.2001

Mikiashvili, N., Wasser, S. P., Nevo, E., & Elisashvili, V. (2006). Effects of carbon and nitrogen sources on Pleurotus ostreatus ligninolytic enzyme activity. *World Journal of Microbiology and Biotechnology*, *22*(9), 999–1002. https://doi.org/10.1007/s11274-006-9132-6

Minussi, R. C., Miranda, M. A., Silva, J. A., Ferreira, C. V, Aoyama, H., Marangoni, S., Rotilio, D., Pastore, G. M., & Durán, N. (2007). Purification, characterization and application of laccase from Trametes versicolor for colour and phenolic removal of olive mill wastewater in the presence of 1-hydroxybenzotriazole. *African Journal of Biotechnology*, *6*(10), 1248–1254. http://www.academicjournals.org/AJB

Nadhilah, D., Andriani, A., Agustriana, E., Nuryana, I., Mubarik, N. R., Dewi, K. S., Rahmani, N., Yanto, D. H. Y., Ismayati, M., Perwitasari, U., Laksmi, F. A., & Wijaya, H. (2024). Co-catalysis of melanin degradation by laccase-manganese peroxidase complex from Trametes hirsuta OK271075 for application in whitening cosmetics. *Biocatalysis and Biotransformation*, *42*(2), 273–285. https://doi.org/10.1080/10242422.2023.2188995

Nakagawa, M., Kawai, K., & Kawai, K. (1995). Contact allergy to kojic acid in skin care products. *Contact Dermatitis*, *32*(1), 9–13. https://doi.org/10.1111/j.1600-0536.1995.tb00832.x

Noor, M., Malahayati, S., & Nastiti, K. (2023). *FORMULASI DAN UJI STABILITAS SEDIAAN TONER WAJAH EKSTRAK BUAH PARE (Momordica charantia L) SEBAGAI ANTI JERAWAT DENGAN VARIASI SURFAKTAN* (Vol. 5, Issue 1).

Nor Azmah, U., Makeri, M. U., Bagirei, S. Y., & Shehu, A. B. (2023). Compositional characterization of starch, proteins and lipids of long bean, dwarf long bean, mung bean and French bean seed flours. *Measurement: Food*, *12*. https://doi.org/10.1016/j.meafoo.2023.100111

Pandey, A. T., Pandey, I., Hachenberger, Y., Krause, B. C., Haidar, R., Laux, P., Luch, A., Singh, M. P., & Singh, A. V. (2020). Emerging paradigm against global antimicrobial resistance via bioprospecting of mushroom into novel nanotherapeutics development. In *Trends in Food Science and Technology* (Vol. 106, pp. 333–344). Elsevier Ltd. https://doi.org/10.1016/j.tifs.2020.10.025

Park, S., Jung, D., Do, H., Yun, J., Lee, D., Hwang, S., & Lee, S. H. (2021). Laccase-mediator system using a natural mediator as a whitening agent for the decolorization of melanin. *Polymers*, *13*(21). https://doi.org/10.3390/polym13213671

Perdani, M. S., Margaretha, G., Sahlan, M., & Hermansyah, H. (2020). Solid state fermentation method for production of laccase enzyme with bagasse, cornstalk and rice husk as substrates for adrenaline biosensor. *Energy Reports*, *6*, 336–340. https://doi.org/10.1016/j.egyr.2019.08.065

Pérez-Rivero, C., & López-Gómez, J. P. (2023). Unlocking the Potential of Fermentation in Cosmetics: A Review. In *Fermentation* (Vol. 9, Issue 5). MDPI. https://doi.org/10.3390/fermentation9050463

Pimentel, F. B., Alves, R. C., Rodrigues, F., & Oliveira, M. B. P. P. (2018). Macroalgae-derived ingredients for cosmetic industry-an update. In *Cosmetics* (Vol. 5, Issue 1). MDPI AG. https://doi.org/10.3390/cosmetics5010002

Pollock, S., Taylor, S., Oyerinde, O., Nurmohamed, S., Dlova, N., Sarkar, R., Galadari, H., Manela-Azulay, M., Chung, H. S., Handog, E., & Kourosh, A. S. (2021). The dark side of skin lightening: An international collaboration and review of a public health issue affecting dermatology. In *International Journal of Women's Dermatology* (Vol. 7, Issue 2, pp. 158–164). Elsevier Inc. https://doi.org/10.1016/j.ijwd.2020.09.006

Qin, X., Zhang, J., Zhang, X., & Yang, Y. (2014). Induction, purification and characterization of a novel manganese peroxidase from irpex lacteus CD2 and its application in the decolorization of different types of dye. *PLoS ONE*, *9*(11). https://doi.org/10.1371/journal.pone.0113282

Renato, J., Cavallazzi, P., Kasuya, C. M., & Soares, M. A. (2005). SCREENING OF INDUCERS FOR LACCASE PRODUCTION BY LENTINULA EDODES IN LIQUID MEDIUM. *Brazilian Journal of Microbiology*, *36*, 383–387.

Reyes, C., Poulin, A., Nyström, G., Schwarze, F. W. M. R., & Ribera, J. (2021). Enzyme activities of five white-rot fungi in the presence of nanocellulose. *Journal of Fungi*, *7*(3). https://doi.org/10.3390/jof7030222

Rompothi, O., Pradipasena, P., Tananuwong, K., Somwangthanaroj, A., & Janjarasskul, T. (2017). Development of non-water soluble, ductile mung bean starch based edible film with oxygen barrier and heat sealability. *Carbohydrate Polymers*, *157*, 748–756. https://doi.org/10.1016/j.carbpol.2016.09.007

S, V., S, R., & M, M. J. (2024). Molecular phylogeny of fungi: an overview about the concepts, types and flowcharts of the fungal classification. In *Archives of Phytopathology and Plant Protection* (Vol. 57, Issue 5, pp. 339–370). Taylor and Francis Ltd. https://doi.org/10.1080/03235408.2024.2365626

Sangthong, S., Pintathong, P., Pongsua, P., Jirarat, A., & Chaiwut, P. (2022). Polysaccharides from *Volvariella volvacea* Mushroom: Extraction, Biological Activities and Cosmetic Efficacy. *Journal of Fungi*, *8*(6). https://doi.org/10.3390/jof8060572

Santoso Reksohadiwinoto, B., Rosmalawati, S., Tri Cahyana, P., Bambang Hariyanto, D., Teknologi Agroindustri, P., Pengkajian dan Penerapan Teknologi, B., Bioteknologi, B., Pengkajian dan Penerapan Teknologi Gedung, B., & Serpong Tangerang Selatan, P. (2017). *Enzim Laccase dari Edible Mushroom untuk Pemutihan Pati Sagu Ramah Lingkungan Laccase Enzyme from Edible Mushroom for Bioleaching Sago Starch with Environmental Friendly*.

Schneider, W. D. H., Fontana, R. C., Mendonça, S., de Siqueira, F. G., Dillon, A. J. P., & Camassola, M. (2018). High level production of laccases and peroxidases from the newly isolated white-rot basidiomycete Marasmiellus palmivorus VE111 in a stirred-tank bioreactor in response to different carbon and nitrogen sources. *Process Biochemistry*, *69*, 1–11. https://doi.org/10.1016/j.procbio.2018.03.005

Shi, Y., Chai, L., Tang, C., Yang, Z., Zhang, H., Chen, R., Chen, Y., & Zheng, Y. (2013). Characterization and genomic analysis of kraft lignin biodegradation by the beta-proteobacterium Cupriavidus basilensis B-8. *Biotechnology for Biofuels*, *6*(1). https://doi.org/10.1186/1754-6834-6-1

Shin, S. K., Hyeon, J. E., Joo, Y. C., Jeong, D. W., You, S. K., & Han, S. O. (2019). Effective melanin degradation by a synergistic laccase-peroxidase enzyme complex for skin whitening and other practical applications. *International Journal of Biological Macromolecules*, *129*, 181–186. https://doi.org/10.1016/j.ijbiomac.2019.02.027

Shraddha, Shekher, R., Sehgal, S., Kamthania, M., & Kumar, A. (2011). Laccase: Microbial sources, production, purification, and potential biotechnological applications. In *Enzyme Research* (Vol. 2011, Issue 1). https://doi.org/10.4061/2011/217861

Soden, D. M., & Dobson, A. D. W. (2001). Differential regulation of laccase gene expression in Pleurotus sajor-caju The GenBank accession numbers for the sequences determined in this work are AF297525–AF297528. *Microbiology*, *147*(7), 1755–1763. https://doi.org/10.1099/00221287-147-7-1755

Sommerlad, M. (2022). Skin lightening: causes and complications. *Clinical and Experimental Dermatology*, *47*(2), 264–270. https://doi.org/10.1111/ced.14972

Stępień, K., Dzierżęga-Lęcznar, A., Kurkiewicz, S., & Tam, I. (2009). Melanin from epidermal human melanocytes: Study by pyrolytic GC/MS. *Journal of the American Society for Mass Spectrometry*, *20*(3), 464–468. https://doi.org/10.1016/j.jasms.2008.11.003

Sturm, R. A., Teasdale, R. D., & Box, N. F. (2001). Human pigmentation genes: identification, structure and consequences of polymorphic variation. *Gene*, *277*(1–2), 49–62. https://doi.org/10.1016/S0378-1119(01)00694-1

Sujarit, K., Suwannarach, N., Kumla, J., & Lomthong, T. (2021). Mushrooms: Splendid Gifts for the Cosmetic Industry. In *Chiang Mai J. Sci* (Vol. 48, Issue 3). http://epg.science.cmu.ac.th/ejournal/

Sung, H. J., Khan, M. F., & Kim, Y. H. (2019). Recombinant lignin peroxidase-catalyzed decolorization of melanin using in-situ generated H2O2 for application in whitening cosmetics. *International Journal of Biological Macromolecules*, *136*, 20–26. https://doi.org/10.1016/j.ijbiomac.2019.06.026

Suzuki-Iwashima, A., Matsuura, H., Iwasawa, A., & Shiota, M. (2020). Metabolomics analyses of the combined effects of lactic acid bacteria and Penicillium camemberti on the generation of volatile compounds in model mold-surface-ripened cheeses. *Journal of Bioscience and Bioengineering*, *129*(3), 333–347. https://doi.org/10.1016/j.jbiosc.2019.09.005

Thuc, L. V., Corales, R. G., Sajor, J. T., Truc, N. T. T., Hien, P. H., Ramos, R. E., Bautista, E., Tado, C. J. M., Ompad, V., Son, D. T., & Van Hung, N. (2019). Rice-Straw Mushroom Production. In *Sustainable Rice Straw Management* (pp. 93–109). Springer International Publishing. https://doi.org/10.1007/978-3-030-32373-8_6

Videira, I. F. dos S., Lima Moura, D. F., & Vasconcelos Magina, S. B. L. M. (2013). Mecanismos reguladores da melanogênese. In *Anais Brasileiros de Dermatologia* (Vol. 88, Issue 1, pp. 76–83). https://doi.org/10.1590/S0365-05962013000100009

Vrsanska, M., Voberkova, S., Langer, V., Palovcikova, D., Moulick, A., Adam, V., & Kopel, P. (2016). Induction of laccase, lignin peroxidase and manganese peroxidase activities in white-rot fungi using copper complexes. *Molecules*, *21*(11). https://doi.org/10.3390/molecules21111553

WHO. (2019). *Mercury in skin lightening products*. World Health Organization. https://www.who.int/publications/i/item/WHO-CED-PHE-EPE-19.13

Wu, Y., Choi, M.-H., Li, J., Yang, H., & Shin, H.-J. (2016). Mushroom Cosmetics: The Present and Future. *Cosmetics*, *3*(3), 22. https://doi.org/10.3390/cosmetics3030022

Xing, Z. T., Cheng, J. H., Tan, Q., & Pan, Y. J. (2006). Effect of nutritional parameters on laccase production by the culinary and medicinal mushroom, Grifola frondosa. *World Journal of Microbiology and Biotechnology*, *22*(8), 799–806. https://doi.org/10.1007/s11274-005-9106-0

Xu, H., Guo, M.-Y., Gao, Y.-H., Bai, X.-H., & Zhou, X.-W. (2017). Expression and characteristics of manganese peroxidase from Ganoderma lucidum in Pichia pastoris and its application in the degradation of four dyes and phenol. *BMC Biotechnology*, *17*(1), 19. https://doi.org/10.1186/s12896-017-0338-5

Xu, M., Zhu, S., Li, Y., Xu, S., Shi, G., & Ding, Z. (2021). Effect of selenium on mushroom growth and metabolism: A review. *Trends in Food Science & Technology*, *118*, 328–340. https://doi.org/10.1016/j.tifs.2021.10.018

Yang, W.-C., Wang, C., & Sharma, R. (2021). Electron energy-loss spectroscopy for direct visualization of gas adsorption sites. *Microscopy and Microanalysis*, *27*(S1), 800–801. https://doi.org/10.1017/s1431927621003172

Yao, Q.-Z., Yu, M. M., Ooi, L. S. M., Ng, T. B., Chang, S. T., Sun, S. S. M., & Ooi, V. E. C. (1998). *Isolation and Characterization of a Type 1 Ribosome-Inactivating Protein from Fruiting Bodies of the Edible Mushroom (Volvariella volvacea)*.

Zaidi, K. U., Ali, A. S., Ali, S. A., & Naaz, I. (2014). Microbial Tyrosinases: Promising Enzymes for Pharmaceutical, Food Bioprocessing, and Environmental Industry. *Biochemistry Research International*, *2014*, 1–16. https://doi.org/10.1155/2014/854687