

DAFTAR PUSTAKA

- Akpinar-Bayizit, A. (2014) Fungal Lipids: The Biochemistry of Lipid Accumulation. *Int. J. Chem. Eng. Appl.*, 5, 409–414. doi:10.7763/ijcea.2014.v5.419
- Anderson, R.L., Anderson, G.W. & Schipper, Jr, A.L. (1979) *Hypoxylon* Canker of Aspen. *Aspen Bibliogr.* Retrieved from https://digitalcommons.usu.edu/aspen_bib/4711
- Aslam, A., Thomas-Hall, S.R., Manzoor, M., Jabeen, F., Iqbal, M., uz Zaman, Q., Schenk, P.M., *et al.* (2018) Mixed microalgae consortia growth under higher concentration of CO₂ from unfiltered coal fired flue gas: Fatty acid profiling and biodiesel production. *J. Photochem. Photobiol. B Biol.*, 179, 126–133. doi:10.1016/j.jphotobiol.2018.01.003
- Atef, B., Ishak, R.A.H., Badawy, S.S. & Osman, R. (2022) Exploring the potential of oleic acid in nanotechnology-mediated dermal drug delivery: An up-to-date review. *J. Drug Deliv. Sci. Technol.*, 67, Elsevier B.V. doi:10.1016/j.jddst.2021.103032
- Athenaki, M., Gardeli, C., Diamantopoulou, P., Tchakouteu, S.S., Sarris, D., Philippoussis, A. & Papanikolaou, S. (2017) Lipids from yeasts and fungi: physiology, production and analytical considerations. *J. Appl. Microbiol.*, 124, 336–367. doi:10.1111/jam.13633
- Bae, B., Kim, M., Kim, S. & Ro, H.S. (2021) Growth Characteristics of Polyporales Mushrooms for the Mycelial Mat Formation. *Mycobiology*, 49, 280–284, Taylor & Francis. doi:10.1080/12298093.2021.1911401
- Bamgboye, A.I. & Hansen, A.C. (2008) Prediction of cetane number of biodiesel fuel from fatty acid methyl ester (FAME) composition. *Int. Agrophysics*, 2, 21–29.
- Banerjee, N., Ramakrishnan, R. & Jash, T. (2014) Biodiesel production from used vegetable oil collected from shops selling fritters in Kolkata. *Energy Procedia*, 54, 161–165, Elsevier B.V. doi:10.1016/j.egypro.2014.07.259
- Bellemain, E., Carlsen, T., Brochmann, C., Coissac, E., Taberlet, P. & Kauserud, H. (2010) ITS as an environmental DNA barcode for fungi: an in silico approach reveals potential PCR biases. *BMC Microbiol.*, 10, 1–9. doi:10.1186/1471-2180-10-189
- Bharathiraja, B., Sowmya, V., Sridharan, S., Yuvaraj, D., Jayamuthunagai, J. & Praveenkumar, R. (2017) Biodiesel production from microbial oil derived from wood isolate *Trichoderma reesei*. *Bioresour. Technol.*, 239, 538–541, Elsevier Ltd. doi:10.1016/j.biortech.2017.05.078
- Brown, D.E. & Hasan, M. (1988) Fat production by *Trichoderma reesei*. *Biotechnol. Lett.*, 10, 249–254.

- Brown, D.E., Hasan, M., Lepe-Casillas, M. & Thornton, A.J. (1990) Effect of temperature and pH on lipid accumulation by *Trichoderma reesei*. *Appl. Microbiol. Biotechnol.*, 34, 335–339. doi:10.1007/BF00170054
- Buczacki, S., Shields, C. & Ovenden, D. (2012) *Collins fungi guide*, London: Harper Collins Publishers.
- Bueno, D.J. & Silva, J.O. (2014) *Fungi: The Fungal Hypha. Encycl. Food Microbiol. Second Ed.*, Second Edi., Vol. 2, Elsevier. doi:10.1016/B978-0-12-384730-0.00132-4
- Chaverri, P. & Samuels, G.J. (2002) *Hypocrea lixii*, the teleomorph of *Trichoderma harzianum*. *Mycol. Prog.*, 1, 283–286.
- Choi, I., Choi, J., Sharma, P.K. & Lee, W. (2010) Isolation and Identification of Mushroom Pathogens from *Agrocybe aegerita*. *Mycobiology*, 38, 310–315. doi:10.4489/MYCO.2010.38.4.310
- Christophe, G., Kumar, V., Nouaille, R., Gaudet, G., Fontanille, P., Pandey, A., Soccol, C.R., *et al.* (2012) Recent Developments in Microbial Oils Production: a Possible Alternative to Vegetable Oils for Biodiesel Without Competition with Human Food? *Brazilian Arch. Biol. Technol.*, 55, 29–46.
- Ciardo, D.E., Schär, G., Altwegg, M., Böttger, E.C. & Bosshard, P.P. (2007) Identification of moulds in the diagnostic laboratory--an algorithm implementing molecular and phenotypic methods. *Diagn. Microbiol. Infect. Dis.*, 59, 49–60. doi:doi: 10.1016/j.diagmicrobio.2007.04.020.
- Diamantopoulou, P., Papanikolaou, S., Kapoti, M., Komaitis, M., Aggelis, G. & Philippoussis, A. (2012) Mushroom Polysaccharides and Lipids Synthesized in Liquid Agitated and Static Cultures. Part I: Screening Various Mushroom Species. *Appl. Biochem. Biotechnol.*, 167, 536–551. doi:10.1007/s12010-012-9713-9
- Dyer, P.S. & Paoletti, M. (2005) Reproduction in *Aspergillus fumigatus*: Sexuality in a supposedly asexual species? *Med. Mycol.*, 43, 7–14. doi:10.1080/13693780400029015
- Edyawati, D.R.R., Ratnaningtyas, N.I. & Retnowati, A. (2019) Identification and Collection of Macro Fungi (Basidiomycota: Agaricales) From Baturraden Botanical Garden, Banyumas. *BioEksakta J. Ilm. Biol. Unsoed*, 1, 31–35. doi:10.20884/1.bioe.2019.1.2.1765
- Farias, A.F., Souza, A.G. de, Souza, J.V.B. de, Segundo, W.O.P.F., Silva, F.L.H. da & Magalhães Cordeiro, A.M.T. de. (2018) Selection of Lipid-Producing Fungi Present in Fruits of the Amazon Region. *Chem. Eng. Trans.*, 64, 1–6.
- Felsenstein, J. & Felsenstein, J. (2004) *Inferring phylogenies*, Sunderland, MA: Sinauer associates.
- Firdaus, A.N., Mustofa, F.A., Citra, Z., Ummah, N.F., Martiani, F., Bagus, R., Nisa, N., *et al.* (2016) Biodiversity of Edible Macrofungi from Alas Purwo National Park. *J. Biol. Eng. Res. Rev.*, 3, 26–29. Retrieved from

<http://biologicalengineering.in/gallery/16-3-1-05.pdf>

- Gams, W., Diederich, P. & Poldmaa, K. (2004) Fungicolous fungi. in *Biodiversity of fungi: inventory and monitoring methods* eds. Mueller, G.M., Bills, G.F. & Foster, M.S., pp. 343–392, Amsterdam: Academic Press.
- Geller, D.P. & Goodrum, J.W. (2004) Effects of specific fatty acid methyl esters on diesel fuel lubricity. *Fuel*, 83, 2351–2356. doi:10.1016/j.fuel.2004.06.004
- Gomaa, A.A., Samy, M.N., Desoukey, S.Y. & Kamel, M. s. (2021) GC-MS analysis of volatile oil and fatty acids composition of *Abutilon hirtum* (Lam.) Sweet leaves. *J. Adv. Biomed. Pharm. Sci.*, 4, 119–123. doi:10.21608/jabps.2021.57135.1116
- Harris, J.L. (2000) Letter to the editor: Safe, low-distortion tape touch method for fungal slide mounts. *J. Clin. Microbiol.*, 38, 4683–4684. doi:10.1128/jcm.38.12.4683-4684.2000
- Hassan, R., Husin, A., Sulong, S., Yusoff, S., Johan, M.F., Yahaya, B.H., Ang, C., *et al.* (2015) Guidelines for nucleic acid detection and analysis in hematological disorders. *Malays. J. Pathol.*, 37, 165–173.
- Hillis, D.M. & Bull, J.J. (1993) An empirical test of bootstrapping as a method for assessing confidence in phylogenetic analysis. *Syst. Biol.*, 42, 182–192. doi:doi.org/10.1093/sysbio/42.2.182
- Jeffries, P. (1995) Biology and ecology of mycoparasitism. *Can. J. Bot.*, 73. doi:10.1139/b95-389
- Lakkireddy, K., Khonsuntia, W. & Kües, U. (2020) Mycoparasite *Hypomyces odoratus* infests *Agaricus xanthodermus* fruiting bodies in nature. *AMB Express*, 10, Springer Berlin Heidelberg. doi:10.1186/s13568-020-01085-5
- Lunin, V. V., Sergeeva, Y.E., Galanina, L.A., Mysyakina, I.S., Ivashechkin, A.A., Bogdan, V.I. & Feofilova, E.P. (2013) Biodiesel Fuel Production from Lipids of Filamentous Fungi. *Appl. Biochem. Microbiol.*, 49, 46–52. doi:10.1134/S0003683813010122
- Magdum, S.S., Minde, G.P., Adhyapak, U.S. & Kalyanraman, V. (2015) Competence evaluation of mycodiesel production by oleaginous fungal strains: *Mucor circinelloides* and *Gliocladium roseum*. *Int. J. Energy Environ.*, 6, 377–382.
- Mandiriati, H., Marsono, D., Poedjirahajoe, E. & Sadono, R. (2016) Konservasi Keanekaragaman Jenis Tumbuhan Jawa di Kebun Raya Baturraden di Kawasan Bekas Hutan Produksi Terbatas. *J. Ilmu Lingkung.*, 14, 33–38. doi:10.14710/jil.14.1.33-38
- Mandiriati, H., Marsono, D., Poedjirahajoe, E. & Sadono, R. (2018) Community Preference on Scenario Management of Baturraden Botanical Garden in Central Java. *J. Penelit. Kehutan. Wallacea*, 7, 59–68. doi:http://dx.doi.org/10.18330/jwallacea.2018.vol7iss1pp59-68

- Meher, L.C., Sagar, D.V. & Naik, S.N. (2006) Technical aspects of biodiesel production by transesterification - A review. *Renew. Sustain. Energy Rev.*, 10, 248–268. doi:10.1016/j.rser.2004.09.002
- Meiklejohn, K.A., Damaso, N. & Robertson, J.M. (2019) Assessment of BOLD and GenBank – Their accuracy and reliability for the identification of biological materials. *PLoS One*, 14, 1–14. doi:10.1371/journal.pone.0217084
- Nei, M. & Kumar, S. (2000) *Molecular Evolution and Phylogenetics*, New York: Oxford University Press.
- O'Neill, M., McPartlin, J., Arthure, K., Riedel, S. & McMillan, N.D. (2011) Comparison of the TLDA with the nanodrop and the reference qubit system. *J. Phys. Conf. Ser.*, 307. doi:10.1088/1742-6596/307/1/012047
- Palapathwala, P.L.E.S., Daranagama, D.A., K., A. & Kannangara, B.T.S.D.P. (2019) New records of *Hypoxylon hypomiltum* and *Hypomontagnella monticulosa* from Pilikuththuwa lowland wet zone forest, Sri Lanka. *Stud. Fungi*, 4, 135–145. doi:10.5943/sif/4/1/17
- Posada, D. (2009) Selecting models of evolution. in *The Phylogenetic Handbook: a Practical Approach to Phylogenetic Analysis and Hypothesis Testing* eds. Lemey, P., Salemi, M. & Vandamme, A.-M., pp. 345–361, Cambridge University Press. doi:10.1017/cbo9780511819049.012
- Pourmoghaddam, M.J., Lambert, C., Surup, F., Khodaparast, S.A., Krisaigreilhuber, I., Voglmayr, H. & Stadler, M. (2020) Discovery of a new species of the *Hypoxylon rubiginosum* complex from Iran and antagonistic activities of *Hypoxylon* spp. against the Ash Dieback pathogen, *Hymenoscyphus fraxineus*, in dual culture. *MycKeys*, 66, 105–133. doi:10.3897/mycokeys.66.50946
- Qu, J., Mao, H.-Z., Chen, W., Gao, S.-Q., Bai, Y.-N., Sun, Y.-W., Geng, Y.-F., *et al.* (2012) Development of marker-free transgenic *Jatropha* plants with increased levels of seed oleic acid. *Biotechnol. Biofuels*, 5, 10, BioMed Central Ltd. doi:10.1186/1754-6834-5-10
- Raja, H.A., Miller, A.N., Pearce, C.J. & Oberlies, N.H. (2017) Fungal Identification Using Molecular Tools: A Primer for the Natural Products Research Community. *J. Nat. Prod.*, 80, 756–770. doi:10.1021/acs.jnatprod.6b01085
- Ramos, M.J., Fernández, C.M., Casas, A., Rodríguez, L. & Pérez, Á. (2009) Influence of fatty acid composition of raw materials on biodiesel properties. *Bioresour. Technol.*, 100, 261–268. doi:10.1016/j.biortech.2008.06.039
- Ratledge, C. (2001) Microorganisms as source of polyunsaturated fatty acids. in *Structured and Modified Lipids* ed. Marcel, D., pp. 351–399, New York: F. D. Gunstone.
- Ratledge, C. (2004) Fatty acid biosynthesis in microorganisms being used for Single Cell Oil production. *Biochimie*, 86, 807–815.

- Ratledge, C. & Wynn, J.P. (2002) The Biochemistry and Molecular Biology of Lipid Accumulation in Oleaginous Microorganisms. *Adv. Appl. Microbiol.*, 51, 1–51.
- Rizki, M.A.A.H. & Ilmi, M. (2021) The Potential of Oleaginous Filamentous Fungi Isolated from Soil of Baturraden Botanical Garden, Central Java, Indonesia. *IOP Conf. Ser. Earth Environ. Sci.*, 736. doi:10.1088/1755-1315/736/1/012060
- Rogerson, C.T. & Samuels, G.J. (1993) Polyporiculous Species of *Hypomyces*. *Mycologia*, 85, 231–272.
- Rugayah, R., Widjaja, E.A. & Praptiwi, P. (2004) *Pedoman Data Keanekaragaman Flora*, 1st ed., Bogor: LIPI.
- Saad, N., Abdeslahian, P., Kalil, M.S., Wan Yusoff, W.M. & Abdul Hamid, A. (2014) Optimization of Aeration and Agitation Rate for Lipid and Gamma Linolenic Acid Aroducton by *Cunninghamella bainieri* 2a1 in Submerged Fermentation Using Response Surface Methodology. *Sci. World J.*, 2014, 1–12. doi:10.1155/2014/280146
- Salerni, E., Laganà, A., Perini, C., Loppi, S. & Dominicis, V. De. (2002) Effects of temperature and rainfall on fruiting of macrofungi in oak forests of the Mediterranean area. *Isr. J. Plant Sci.*, 50, 189–198. doi:10.1560/GV8J-VPKL-UV98-WVU1
- Schoch, C.L., Seifert, K.A., Huhndorf, S., Robert, V., Spouge, J.L., Levesque, C.A., Chen, W., *et al.* (2012) Nuclear ribosomal internal transcribed spacer (ITS) region as a universal DNA barcode marker for Fungi. *Proc. Natl. Acad. Sci. U. S. A.*, 109, 6241–6246. doi:10.1073/pnas.1117018109
- Serrano-Carreón, L., Hathout, Y., Bensoussan, M. & Belin, J.-M. (1992) Lipid accumulation in *Trichoderma* species. *FEMS Microbiol. Lett.*, 93, 181–187. doi:10.1016/0378-1097(92)90526-T
- Siddiquee, S. (2017) *Practical Handbook of the Biology and Molecular Diversity of Trichoderma Species from Tropical Regions*, Switzerland: Springer International Publishing. doi:10.1007/978-3-319-64946-7
- Simpson, M.G. (2006) *Plant Systematics*, London: Elsevier Academic Press.
- Socol, C.R., Colonia, B.S.O., Melo Pereira, G.V. de, Mamani, L.D.G., Karp, S.G., Socol, V.T., Penha, R. de O., *et al.* (2022) Bioprospecting lipid-producing microorganisms: From metagenomic-assisted isolation techniques to industrial application and innovations. *Bioresour. Technol.*, 346. doi:10.1016/j.biortech.2021.126455
- Somashekar, D., Venkateshwaran, G., Sambaiah, K. & Lokesh, B.R. (2003) Effect of culture conditions on lipid and gamma-linolenic acid production by mucoraceous fungi. *Process Biochem.*, 38, 1719–1724. doi:10.1016/S0032-9592(02)00258-3
- Sugiharto, S. (2019) A review of filamentous fungi in broiler production. *Ann.*

- Agric. Sci.*, 64, 1–8, Elsevier B.V. doi:10.1016/j.aoas.2019.05.005
- Sun, J.-Z., Liu, X.-Z., McKenzie, E.H.C., Jeewon, R., Liu, J.K. (Jack), Zhang, X.-L., Zhao, Q., *et al.* (2019) *Fungicolous fungi: terminology, diversity, distribution, evolution, and species checklist*. *Fungal Divers.*, Vol. 95, Springer Netherlands. doi:10.1007/s13225-019-00422-9
- Tamm, H. & Poldmaa, K. (2013) Diversity, host associations, and phylogeography of temperate aurofusarin-producing *Hypomyces/Cladobotryum* including causal agents of cobweb disease of cultivated mushrooms. *Fungal Biol.*, 7, 348–367. doi:10.1016/j.funbio.2013.03.005
- Walker, G.M. & White, N.A. (2017) *Fungi: Biology and Applications*. (K. Kavangh, Ed.), John Wiley & Sons, Inc.
- Wang, Z., Nilsson, R.H., James, T.Y., Dai, Y. & Townsend, J.P. (2016) Future Perspectives and Challenges of Fungal Systematics in the Age of Big Data. in *Biology of Microfungi* ed. Li, D.-W., pp. 25–46, Springer International Publishing. doi:10.1007/978-3-319-29137-6_3
- Weete, J.D. (1980) *Lipid Biochemistry of Fungi and Other Organisms*, New York: Plenum Press. doi:10.1007/978-1-4757-0064-0
- Yadav, J.S. & Mishra, N.C. (1995) Eukaryotic Cells and Expression Vectors. in *Food biotechnonology: microorganisms* eds. Hui, Y.H. & Khachatourians, G.G., United States of America: Wiley-VCH.
- Yao, Q., Chen, H., Wang, S., Tang, X., Gu, Z., Zhang, H., Chen, W., *et al.* (2019) An efficient strategy for screening polyunsaturated fatty acid-producing oleaginous filamentous fungi from soil. *J. Microbiol. Methods*, 158, 80–85, Elsevier. doi:10.1016/j.mimet.2018.12.023
- Yousuf, A., Khan, M.R., Islam, M.A., Wahid, Z.A. & Pirozzi, D. (2017) Technical difficulties and solutions of direct transesterification process of microbial oil for biodiesel synthesis. *Biotechnol. Lett.*, 39, 13–23, Springer Netherlands. doi:10.1007/s10529-016-2217-x
- Yves, V. de P. (2009) Phylogenetics Inference Based on Distance Methods: Theory. in *The phylogenetic handbook: a practical approach to phylogenetic analysis and hypothesis testing* eds. Lemey, P., Salemi, M. & Vandamme, A.-M., pp. 142–160, Cambridge: Cambridge University Press.
- Zhang, M., Yang, X., Zhao, H.T., Dong, A.J., Wang, J., Liu, G.Y., Wang, P., *et al.* (2015) A quick method for routine analysis of C18 trans fatty acids in non-hydrogenated edible vegetable oils by gas chromatography-mass spectrometry. *Food Control*, 57, 293–301, Elsevier Ltd. doi:10.1016/j.foodcont.2015.04.027