

DAFTAR PUSTAKA

- Albers, E., Larsson, C., Lidé N, G., Niklasson, C. & Gustafsson, L. 1996. *Influence of the Nitrogen Source on Saccharomyces cerevisiae Anaerobic Growth and Product Formation. APPLIED AND ENVIRONMENTAL MICROBIOLOGY*, Tersedia di <https://journals.asm.org/journal/aem>.
- Andrews, A.T. 1978. *The Composition, Structure and Origin of Proteose-peptone Component 8F of Bovine Milk. Eur. J. Biochem. YO*.
- Angelaalincy, M.J., Navanietha Krishnaraj, R., Shakambari, G., Ashokkumar, B., Kathiresan, S. & Varalakshmi, P. 2018. *Biofilm Engineering Approaches for Improving the Performance of Microbial Fuel Cells and Bioelectrochemical Systems. Frontiers in Energy Research*, .
- Aoki, K.J., Chen, J., Liu, Y. & Jia, B. 2020. Peak potential shift of fast cyclic voltammograms owing to capacitance of redox reactions. *Journal of Electroanalytical Chemistry*, 856.
- Atnafu, T. & Leta, S. 2021. A novel fragmented anode biofilm microbial fuel cell (FAB–MFC) integrated system for domestic wastewater treatment and bioelectricity generation. *Bioresources and Bioprocessing*, 8(1).
- Baptista, S.L., Costa, C.E., Cunha, J.T., Soares, P.O. & Domingues, L. 2021. *Metabolic engineering of Saccharomyces cerevisiae for the production of top value chemicals from biorefinery carbohydrates. Biotechnology Advances*, .
- Baranitharan, E., Khan, M.R., Prasad, D.M.R., Teo, W.F.A., Tan, G.Y.A. & Jose, R. 2015. Effect of biofilm formation on the performance of microbial fuel cell for the treatment of palm oil mill effluent. *Bioprocess and Biosystems Engineering*, 38(1): 15–24.
- Becerril-Varela, K., Serment-Guerrero, J.H., Manzanares-Leal, G.L., Ramírez-Durán, N. & Guerrero-Barajas, C. 2021. Generation of electrical energy in a microbial fuel cell coupling acetate oxidation to Fe³⁺ reduction and isolation of the involved bacteria. *World Journal of Microbiology and Biotechnology*, 37(6).
- Bisson, L.F., Fan, Q. & Walker, G.A. 2016. Sugar and glycerol transport in saccharomyces cerevisiae. *Advances in Experimental Medicine and Biology*. Springer New York LLC, hlm.125–168.
- Boas, J.V., Peixoto, L., Oliveira, V.B., Simões, M. & Pinto, A.M.F.R. 2022. Cyclic voltammetry study of a yeast-based microbial fuel cell. *Bioresource Technology Reports*, 17(January): 0–4.

- Brückner, S. & Mösch, H.U. 2012. *Choosing the right lifestyle: Adhesion and development in Saccharomyces cerevisiae*. *FEMS Microbiology Reviews*, .
- Cabrera, E.J.I., Mendoza, M.G.D., Aranda, I.E., Garcia-Bojalil, C., Ba Ârcena, G.R. & Ramos, J.J.A. 2000. *Saccharomyces cerevisiae and nitrogenous supplementation in growing steers grazing tropical pastures*.
- Chaturvedi, V. & Verma, P. 2016. *Microbial fuel cell: a green approach for the utilization of waste for the generation of bioelectricity*. *Bioresources and Bioprocessing*, .
- Christwardana, M., Agung Suedy, S.W., Harmoko, U. & Sekar Buanawangsa, K.S. 2024. Exploring and evaluating the relationship between *Saccharomyces cerevisiae* biofilm maturation on carbon felt anodes and microbial fuel cell performance. *Journal of Electrochemical Science and Engineering*, 14(5): 653–669.
- Christwardana, M., Frattini, D., Accardo, G., Yoon, S.P. & Kwon, Y. 2018. Early-stage performance evaluation of flowing microbial fuel cells using chemically treated carbon felt and yeast biocatalyst. *Applied Energy*, 222: 369–382.
- Christwardana, M., Joelianingsih, J. & Yoshi, L.A. 2021a. Performance of yeast microbial fuel cell integrated with sugarcane bagasse fermentation for cod reduction and electricity generation. *Bulletin of Chemical Reaction Engineering and Catalysis*, 16(3): 446–458.
- Christwardana, M., Joelianingsih, J. & Yoshi, L.A. 2022a. The Influence of Various Substrates on Power Generation in The Operation of Yeast Microbial Fuel Cells. *Reaktor*, 22(2): 36–41.
- Christwardana, M., Joelianingsih, J. & Yoshi, L.A. 2022b. The Influence of Various Substrates on Power Generation in The Operation of Yeast Microbial Fuel Cells. *Reaktor*, 22(2): 36–41.
- Christwardana, M., Joelianingsih, J. & Yoshi, L.A. 2023. Synergistic of yeast *Saccharomyces cerevisiae* and glucose oxidase enzyme as co-biocatalyst of enzymatic microbial fuel cell (EMFC) in converting sugarcane bagasse extract into electricity. *Journal of Electrochemical Science and Engineering*, 13(2): 321–332.
- Christwardana, M. & Khaerudini, D.S. 2022. *The Scientometric Evaluation of The Research on Yeast Microbial Fuel Cells as A Promising Sustainable Energy Source*. *Anal. Bioanal. Electrochem*, Tersedia di www.abechem.com.
- Christwardana, M. & Kwon, Y. 2017. Yeast and carbon nanotube based biocatalyst developed by synergetic effects of covalent bonding and

hydrophobic interaction for performance enhancement of membraneless microbial fuel cell. *Bioresource Technology*, 225: 175–182.

- Christwardana, M., Yoshi, L.A. & Joelianingsih, J. 2021b. Energy Harvesting from Sugarcane Bagasse Juice using Yeast Microbial Fuel Cell Technology. *Reaktor*, 21(2): 52–58.
- Christwardana, M., Yoshi, L.A., Setyonadi, I., Maulana, M.R. & Fudholi, A. 2021c. A novel application of simple submersible yeast-based microbial fuel cells as dissolved oxygen sensors in environmental waters. *Enzyme and Microbial Technology*, 149.
- Connors, E.M., Rengasamy, K. & Bose, A. 2022. *Electroactive biofilms: how microbial electron transfer enables bioelectrochemical applications*. *Journal of Industrial Microbiology and Biotechnology*, .
- Da Cruz, S.H., Batistote, M. & Ernandes, J.R. 2003. Effect of Sugar Catabolite Repression in Correlation with the Structural Complexity of the Nitrogen Source on Yeast Growth and Fermentation. *Journal of the Institute of Brewing*, 109(4): 349–355.
- Da Cruz, S.H., Cilli, E.M. & Ernandes, J.R. 2002. Structural complexity of the nitrogen source and influence on yeast growth and fermentation. *Journal of the Institute of Brewing*, 108(1): 54–61.
- Du, Z., Li, H. & Gu, T. 2007. *A state of the art review on microbial fuel cells: A promising technology for wastewater treatment and bioenergy*. *Biotechnology Advances*, .
- Ducommun, R., Favre, M.F., Carrard, D. & Fischer, F. 2010. Outward electron transfer by *Saccharomyces cerevisiae* monitored with a bi-cathodic microbial fuel cell-type activity sensor. *Yeast*, 27(3): 139–148.
- Duina, A.A., Miller, M.E. & Keeney, J.B. 2014. Budding yeast for budding geneticists: A primer on the *Saccharomyces cerevisiae* model system. *Genetics*, 197(1): 33–48.
- Elgrishi, N., Rountree, K.J., McCarthy, B.D., Rountree, E.S., Eisenhart, T.T. & Dempsey, J.L. 2018. A Practical Beginner's Guide to Cyclic Voltammetry. *Journal of Chemical Education*, 95(2): 197–206.
- Fadillah, S.N., Ahmad, A., Natsir, H., Karim, F. & Taba, P. t.t. Isolation Protein Hidrolyzat from Microalga *Nitzschia* sp. as A new Antimicrobial. Tersedia di <https://doi.org/10.35816/jiskh.v10i1>.
- Favaro, L., Jansen, T. & van Zyl, W.H. 2019. *Exploring industrial and natural Saccharomyces cerevisiae strains for the bio-based economy from biomass: the case of bioethanol*. *Critical Reviews in Biotechnology*, .

- Felix, E., Clara, O. & Vincent, A.O. 2014. A Kinetic Study of the Fermentation of Cane Sugar Using *Saccharomyces cerevisiae*. *Open Journal of Physical Chemistry*, 04(01): 26–31.
- Ferramosca, A. & Zara, V. 2021. Molecular Sciences Mitochondrial Carriers and Substrates Transport Network: A Lesson from *Saccharomyces cerevisiae*. Tersedia di <https://doi.org/10.3390/ijms>.
- Frank, M., Lax, C., Walcher, S. & Wittich, O. 2018. Quasi-steady state reduction for the Michaelis–Menten reaction–diffusion system. *Journal of Mathematical Chemistry*, 56(6): 1759–1781.
- Franks, A.E. & Nevin, K.P. 2010. *Microbial fuel cells, a current review*. *Energies*, .
- Gatti, M.N. & Milocco, R.H. 2017. A biofilm model of microbial fuel cells for engineering applications. *International Journal of Energy and Environmental Engineering*, 8(4): 303–315.
- Greenman, J., Mendis, B.A., Gajda, I. & Ieropoulos, I.A. 2022. Microbial fuel cell compared to a chemostat. *Chemosphere*, 296: 133967.
- Gunawardena, A., Fernando, S. & To, F. 2008. Performance of a yeast-mediated biological fuel cell. *International Journal of Molecular Sciences*, 9(10): 1893–1907.
- Hahn, S. & Young, E.T. 2011. Transcriptional regulation in *saccharomyces cerevisiae*: Transcription factor regulation and function, mechanisms of initiation, and roles of activators and coactivators. *Genetics*, 189(3): 705–736.
- Haslett, N.D., Rawson, F.J., Barrière, F., Kunze, G., Pasco, N., Gooneratne, R. & Baronian, K.H.R. 2011. Characterisation of yeast microbial fuel cell with the yeast *Arxula adenivorans* as the biocatalyst. *Biosensors and Bioelectronics*, 26(9): 3742–3747.
- He, X., Lu, H., Fu, J., Zhou, H., Qian, X. & Qiao, Y. 2024. Promotion of direct electron transfer between *Shewanella putrefaciens* CN32 and carbon fiber electrodes via in situ growth of α -Fe₂O₃ nanoarray. *Frontiers in Microbiology*, 15.
- Heering, H.A., Wiertz, F.G.M., Dekker, C. & De Vries, S. 2004. Direct immobilization of native yeast iso-1 cytochrome c on bare gold: Fast electron relay to redox enzymes and zeptomole protein-film voltammetry. *Journal of the American Chemical Society*, 126(35): 11103–11112.
- Herst, P.M., Perrone, G.G., Dawes, I.W., Bircham, P.W. & Berridge, M. V. 2008. Plasma membrane electron transport in *Saccharomyces cerevisiae* depends

on the presence of mitochondrial respiratory subunits. *FEMS Yeast Research*, 8(6): 897–905.

- Jahanban-Esfahlan, A., Ostadrahimi, A., Jahanban-Esfahlan, R., Roufegarinejad, L., Tabibiazar, M. & Amarowicz, R. 2019. *Recent developments in the detection of bovine serum albumin. International Journal of Biological Macromolecules*, .
- Kamel, H.E.M., Sekine, J., El-Waziry, A.M. & Yacout, M.H.M. 2004. Effect of *Saccharomyces cerevisiae* on the synchronization of organic matter and nitrogen degradation kinetics and microbial nitrogen synthesis in sheep fed Berseem hay (*Trifolium alexandrinum*). *Small Ruminant Research*, 52(3): 211–216.
- Kazama, I., Aso, Y., Tanaka, T. & Ohara, H. 2023. Microbial Fuel Cell Equipped with Bipolar Membrane Using Iron (III) Hydroxide as Final Electron Acceptor. *Energies*, 16(6).
- Kim, B., Mohan, S.V., Fapyane, D. & Chang, I.S. 2020. *Controlling Voltage Reversal in Microbial Fuel Cells. Trends in Biotechnology*, .
- Kresnowati, M.T.A.P., Suarez-Mendez, C.M., van Winden, W.A., van Gulik, W.M. & Heijnen, J.J. 2008. Quantitative physiological study of the fast dynamics in the intracellular pH of *Saccharomyces cerevisiae* in response to glucose and ethanol pulses. *Metabolic Engineering*, 10(1): 39–54.
- Kretovich, W.L., Kariakina, T.I., Kazakova, O. V, Sidelnikova, L.I., Kaloshina, G.S., Shaposhnikov, G.L. & Bach, A.N. 1983. *Biosynthesis of amino acids from sucrose and Krebs cycle metabolites by Rhizobium lupini bacteroids Summary. Molecular and Cellular Biochemistry*, .
- Kumar, R., Singh, L., Wahid, Z.A. & Din, M.F.M. 2015. *Exoelectrogens in microbial fuel cells toward bioelectricity generation: A review. International Journal of Energy Research*, .
- Li, H., Liao, B., Xiong, J., Zhou, X., Zhi, H., Liu, X., Li, X. & Li, W. 2018. Power output of microbial fuel cell emphasizing interaction of anodic binder with bacteria. *Journal of Power Sources*, 379: 115–122.
- Liu, C.-H., Hwang, C.-F. & Liao, C.-C. 1999. *Medium optimization for glutathione production by Saccharomyces cerevisiae. Process Biochemistry*, .
- Liu, J., Qiao, Y., Lu, Z.S., Song, H. & Li, C.M. 2012. Enhance electron transfer and performance of microbial fuel cells by perforating the cell membrane. *Electrochemistry Communications*, 15(1): 50–53.

- Liu, Y., el Masoudi, A., Pronk, J.T. & van Gulik, W.M. 2019. Quantitative physiology of non-energy-limited retentostat cultures of *Saccharomyces cerevisiae* at near-zero specific growth rates. *Applied and Environmental Microbiology*, 85(20).
- Logan, B.E., Wallack, M.J., Kim, K.Y., He, W., Feng, Y. & Saikaly, P.E. 2015. Assessment of Microbial Fuel Cell Configurations and Power Densities. *Environmental Science and Technology Letters*, 2(8): 206–214.
- Martínez-Moreno, R., Morales, P., Gonzalez, R., Mas, A. & Beltran, G. 2012. Biomass production and alcoholic fermentation performance of *Saccharomyces cerevisiae* as a function of nitrogen source. *FEMS Yeast Research*, 12(4): 477–485.
- Masucci, F., Uzun, P., Grasso, F., De Rosa, G. & Di Francia, A. 2014. Effect of *Saccharomyces cerevisiae* Live Cells on In Vivo Digestibility and Nitrogen Excretion in Lactating Buffaloes. *Journal of Buffalo Science*, 3: 18–24.
- Miranda Júnior, M., Batistote, M., Cilli, E.M. & Ernandes, J.R. 2009. Sucrose fermentation by Brazilian ethanol production yeasts in media containing structurally complex nitrogen sources. *Journal of the Institute of Brewing*, 115(3): 191–197.
- Monóton, P., Sarthou, P. & Le Goffic, F. 1986. *Role of the nitrogen source in peptide transport in Saccharomyces cerevisiae (Peptide transport; Saccharomyces cerevisiae)*. *FEMS Microbiology Letters*, Tersedia di <https://academic.oup.com/femsle/article/36/1/95/541089>.
- Morris, G., Berk, M., Carvalho, A., Caso, J.R., Sanz, Y., Walder, K. & Maes, M. 2017. *The Role of the Microbial Metabolites Including Tryptophan Catabolites and Short Chain Fatty Acids in the Pathophysiology of Immune-Inflammatory and Neuroimmune Disease*. *Molecular Neurobiology*, .
- Nielsen, J. 2019. *Yeast Systems Biology: Model Organism and Cell Factory*. *Biotechnology Journal*, .
- Nien, P.C., Lee, C.Y., Ho, K.C., Adav, S.S., Liu, L., Wang, A., Ren, N. & Lee, D.J. 2011. Power overshoot in two-chambered microbial fuel cell (MFC). *Bioresource Technology*, 102(7): 4742–4746.
- Nightingale, D.J., Geladaki, A., Breckels, L.M., Oliver, S.G. & Lilley, K.S. 2019. *The subcellular organisation of Saccharomyces cerevisiae*. *Current Opinion in Chemical Biology*, .
- Nofa Wiratno, E., Ardyati, T. & Wardani, A.K. 2014. Reduced Sugar and Total N on Ethanol Production from Molasses by *S. cerevisiae*. *Life Sci*, 4(2).

- Obileke, K.C., Onyeaka, H., Meyer, E.L. & Nwokolo, N. 2021. *Microbial fuel cells, a renewable energy technology for bio-electricity generation: A mini-review. Electrochemistry Communications, .*
- Ömeroğlu, S. & Sanin, F.D. 2016. *Bioelectricity Generation From Wastewater Sludge Using Microbial Fuel Cells: A Critical Review. Clean - Soil, Air, Water, .*
- Pandya, R.S., Kaur, T., Bhattacharya, R., Bose, D. & Saraf, D. 2024. Harnessing microorganisms for bioenergy with Microbial Fuel Cells: Powering the future. *Water-Energy Nexus, 7: 1–12.*
- Pasternak, G., Greenman, J. & Ieropoulos, I. 2018. Dynamic evolution of anodic biofilm when maturing under different external resistive loads in microbial fuel cells. Electrochemical perspective. *Journal of Power Sources, 400: 392–401.*
- Peng, X., Jiang, Y., Chen, Z., Osman, A.I., Farghali, M., Rooney, D.W. & Yap, P.S. 2023. *Recycling municipal, agricultural and industrial waste into energy, fertilizers, food and construction materials, and economic feasibility: a review. Environmental Chemistry Letters, .*
- Portela, P. & Rossi, S. 2020. *cAMP-PKA signal transduction specificity in Saccharomyces cerevisiae. Current Genetics, .*
- de Pouplana, L.R. 2018. *Genetic code and metabolism: The perpetual waltz. Journal of Biological Chemistry, .*
- Powell, E.E., Evitts, R.W., Hill, G.A. & Bolster, J.C. 2011. A microbial fuel cell with a photosynthetic microalgae cathodic half cell coupled to a yeast anodic half cell. *Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 33(5): 440–448.*
- Prasad, D., Arun, S., Murugesan, M., Padmanaban, S., Satyanarayanan, R.S., Berchmans, S. & Yegnaraman, V. 2007. Direct electron transfer with yeast cells and construction of a mediatorless microbial fuel cell. *Biosensors and Bioelectronics, 22(11): 2604–2610.*
- Rabaey, K., Boon, N., Siciliano, S.D., Verhaege, M. & Verstraete, W. 2004. Biofuel cells select for microbial consortia that self-mediate electron transfer. *Applied and Environmental Microbiology, 70(9): 5373–5382.*
- Raghavulu, S.V., Goud, R.K., Sarma, P.N. & Mohan, S.V. 2011a. *Saccharomyces cerevisiae as anodic biocatalyst for power generation in biofuel cell: Influence of redox condition and substrate load. Bioresource Technology, 102(3): 2751–2757.*

- Raghavulu, S.V., Goud, R.K., Sarma, P.N. & Mohan, S.V. 2011b. *Saccharomyces cerevisiae* as anodic biocatalyst for power generation in biofuel cell: Influence of redox condition and substrate load. *Bioresource Technology*, 102(3): 2751–2757.
- Rahimnejad, M., Najafpour, G.D., Ghoreyshi, A.A., Talebnia, F., Premier, G.C., Bakeri, G., Kim, J.R. & Oh, S.E. 2012. Thionine increases electricity generation from microbial fuel cell using *Saccharomyces cerevisiae* and exoelectrogenic mixed culture. *Journal of Microbiology*, 50(4): 575–580.
- Ren, H., Tian, H., Gardner, C.L., Ren, T.L. & Chae, J. 2016. A miniaturized microbial fuel cell with three-dimensional graphene macroporous scaffold anode demonstrating a record power density of over 10000 W m⁻³. *Nanoscale*, 8(6): 3539–3547.
- Rezk, H., Olabi, A.G., Abdelkareem, M.A., Maghrabie, H.M. & Sayed, E.T. 2023. Fuzzy Modelling and Optimization of Yeast-MFC for Simultaneous Wastewater Treatment and Electrical Energy Production. *Sustainability (Switzerland)*, 15(3).
- Roager, H.M. & Licht, T.R. 2018. *Microbial tryptophan catabolites in health and disease. Nature Communications*, .
- Rossi, R., Fedrigucci, A. & Setti, L. 2015. Characterization of electron mediated microbial fuel cell by *Saccharomyces Cerevisiae*. *Chemical Engineering Transactions*, 43: 337–342.
- Rountree, E.S., McCarthy, B.D., Eisenhart, T.T. & Dempsey, J.L. 2014. Evaluation of homogeneous electrocatalysts by cyclic voltammetry. *Inorganic Chemistry*, 53(19): 9983–10002.
- Ruiz, S.J., van 't Klooster, J.S., Bianchi, F. & Poolman, B. 2021. Growth inhibition by amino acids in *saccharomyces cerevisiae*. *Microorganisms*, 9(1): 1–17.
- Santoro, C., Arbizzani, C., Erable, B. & Ieropoulos, I. 2017. Microbial fuel cells: From fundamentals to applications. A review. *Journal of Power Sources*, 356: 225–244.
- Saratale, G.D., Saratale, R.G., Shahid, M.K., Zhen, G., Kumar, G., Shin, H.S., Choi, Y.G. & Kim, S.H. 2017. A comprehensive overview on electro-active biofilms, role of exo-electrogens and their microbial niches in microbial fuel cells (MFCs). *Chemosphere*, 178: 534–547.
- Schaetzle, O., Barrière, F. & Baronian, K. 2008. *Bacteria and yeasts as catalysts in microbial fuel cells: Electron transfer from micro-organisms to electrodes for green electricity. Energy and Environmental Science*, .

- Schröder, U. 2007. Anodic electron transfer mechanisms in microbial fuel cells and their energy efficiency. *Physical Chemistry Chemical Physics*, 9(21): 2619–2629.
- Sedenho, G.C., Modenez, I., Mendes, G.R. & Crespilho, F.N. 2021. The role of extracellular polymeric substance matrix on *Saccharomyces cerevisiae* bioelectricity. *Electrochimica Acta*, 393.
- Shimoyama, T., Komukai, S., Yamazawa, A., Ueno, Y., Logan, B.E. & Watanabe, K. 2008. Electricity generation from model organic wastewater in a cassette-electrode microbial fuel cell. *Applied Microbiology and Biotechnology*, 80(2): 325–330.
- Shirpay, A. 2021. Effects of electrode size on the power generation of the microbial fuel cell by *Saccharomyces cerevisiae*. *Ionics*, 27(9): 3967–3973.
- Shrivastava, A., Pal, M. & Sharma, R.K. 2022. Simultaneous Production of Bioethanol and Bioelectricity in a Membrane-Less Single-Chambered Yeast Fuel Cell by *Saccharomyces cerevisiae* and *Pichia fermentans*. *Arabian Journal for Science and Engineering*, 47(6): 6763–6771.
- Singh, P., Srivastava, A., Srivastava, N., Sinha, N., Sharma, V. & Upadhyay, A. 2024. *Microbial fuel cell as innovative approach for bio-electricity generation: A review. Materials Protection*, .
- Sookoian, S., Castaño, G.O., Scian, R., Gianotti, T.F., Dopazo, H., Rohr, C., Gaj, G., Martino, J.S., Sevic, I., Flichman, D. & Pirola, C.J. 2016. Serum aminotransferases in nonalcoholic fatty liver disease are a signature of liver metabolic perturbations at the amino acid and Krebs cycle level. *American Journal of Clinical Nutrition*, 103(2): 422–434.
- Stubbs, R.T., Yadav, M., Krishnamurthy, R. & Springsteen, G. 2020. A plausible metal-free ancestral analogue of the Krebs cycle composed entirely of α -ketoacids. *Nature Chemistry*, 12(11): 1016–1022.
- Sun, S., Zhang, B., Wang, J., Li, K., Gao, Y. & Zhang, T.Y. 2021. Analytic formulas of peak current in cyclic voltammogram: Machine learning as an alternative way? *Journal of Chemometrics*, 35(3).
- Tardy, G.M., Lóránt, B. & Lóka, M. 2017. Substrate concentration dependence of voltage and power production characteristics in two-chambered mediator-less microbial fuel cells with acetate and peptone substrates. *Biotechnology Letters*, 39(3): 383–389.
- Vanderwaeren, L., Dok, R., Voordeckers, K., Nuyts, S. & Verstrepen, K.J. 2022. *Saccharomyces cerevisiae* as a Model System for Eukaryotic Cell Biology,

from Cell Cycle Control to DNA Damage Response. International Journal of Molecular Sciences, .

- Vidal, E.E., Antonio De Morais, M., François, J.M., De Billerbeck, G., De, G. & Biosynthesis, B. 2015. Biosynthesis of higher alcohol flavour compounds by the yeast *Saccharomyces cerevisiae*: impact of oxygen availability and responses to glucose pulse in minimal growth medium with leucine as sole nitrogen source. *Yeast*, 32(1). Tersedia di <https://hal.science/hal-01269071v1>.
- Vijay, A., Chhabra, M. & Vincent, T. 2019. Microbial community modulates electrochemical performance and denitrification rate in a biocathodic autotrophic and heterotrophic denitrifying microbial fuel cell. *Bioresource Technology*, 272: 217–225.
- Wang, H.W., Bringans, C., Hickey, A.J.R., Windsor, J.A., Kilmartin, P.A. & Phillips, A.R.J. 2021. *Cyclic Voltammetry in Biological Samples: A Systematic Review of Methods and Techniques Applicable to Clinical Settings. Signals*, .
- Wang, J. & Zhang, B. 2017. Bovine Serum Albumin as a Versatile Platform for Cancer Imaging and Therapy. *Current Medicinal Chemistry*, 25(25): 2938–2953.
- Watanabe, K. 2008. Recent Developments in Microbial Fuel Cell Technologies for Sustainable Bioenergy. *Journal of Bioscience and Bioengineering*, 106(6): 528–536.
- Wu, X., Qiao, Y., Shi, Z., Tang, W. & Li, C.M. 2018. Hierarchically Porous N-Doped Carbon Nanotubes/Reduced Graphene Oxide Composite for Promoting Flavin-Based Interfacial Electron Transfer in Microbial Fuel Cells. *ACS Applied Materials and Interfaces*, 10(14): 11671–11677.
- Xiao, Y. & Zhao, F. 2017. *Electrochemical roles of extracellular polymeric substances in biofilms. Current Opinion in Electrochemistry*, .
- Xie, R., Wang, S., Wang, K., Wang, M., Chen, B., Wang, Z. & Tan, T. 2022. Improved energy efficiency in microbial fuel cells by bioethanol and electricity co-generation. *Biotechnology for Biofuels and Bioproducts*, 15(1).
- Yumas & Rosniati 2014. Pengaruh konsentrasi starter dan lama fermentasi pulp kakao terhadap konsentrasi etanol. *Biopropal Industri*, 5(1): 13–22.
- Zhang, B.Q., Luan, Y., Duan, C.Q. & Yan, G.L. 2018. Use of *Torulaspora delbrueckii* Co-fermentation with two *Saccharomyces cerevisiae* Strains with different aromatic characteristic to improve the diversity of red wine aroma profile. *Frontiers in Microbiology*, 9(APR).

- Zhang, P., Liu, J., Qu, Y. & Feng, Y. 2017. Enhanced *Shewanella oneidensis* MR-1 anode performance by adding fumarate in microbial fuel cell. *Chemical Engineering Journal*, 328: 697–702.
- Zhou, M., Yang, J., Wang, H., Jin, T., Hassett, D.J. & Gu, T. 2014. Bioelectrochemistry of Microbial Fuel Cells and their Potential Applications in Bioenergy. *Bioenergy Research: Advances and Applications*. Elsevier Inc., hlm.131–152.
- Zhou, M., Yang, J., Wang, H., Jin, T., Xu, D. & Gu, T. 2013. Microbial fuel cells and microbial electrolysis cells for the production of bioelectricity and biomaterials. *Environmental Technology (United Kingdom)*, 34(13–14): 1915–1928.