

## DAFTAR PUSTAKA

- Ackeerman, J.D., Phillips, R. D., Tremblay, R. L., Karemans, A., Reiter, N., Peter, C. I., Bogarin, D., Perez-Escobar, O. A. and Liu, H. 2023. Beyond the various contrivances by which orchids are pollinated: global patterns in orchid pollination biology. *Botanical Journal of the Linnean Society*, 202 (2023): 295-324.
- Aditti, J., 1992. *Fundamentals of Orchid Biology*. New York : Wiley
- Amonsou, O. E., Siwela, M. & Dlamini, N. 2014. Chemical composition and microstructure of *Bauhinia grains*. *Journal of Food Science and Technology*, 51(9):2263-9.
- Andrade, B.O., Marchesi, E., Burkart, S., Setubal, R.B., Lezama, F., Perelman, S., Schneider, A.A., Trevisan, R., Overbeck, G.E. and Boldrini, I.I., 2018. Vascular plant species richness and distribution in the Río de la Plata grasslands. *Botanical Journal of the Linnean Society*, 188(3), pp.250-256.
- Besi, E.E., F.A. Nordin & R. Go. 2020. Macro- and micro-morphologies and conservation status of *Hymenorchis javanica* (Orchidaceae: Aeridinae): the only representative of the genus in Malaysia. *Journal of Plant Taxonomy and Geography*, 75(2): 317-328.
- Bogarin, D., M. Fernández, A.P. Karremans, F. Pupulin, E. Smets & B. Gravendeel. 2019. Floral anatomy and evolution of pollination syndromes in lepanthes and close relatives. *Systematics*, (pp. 389-403).
- Borghi, M., Fernie, A.R., Schiestl, F.P. and Bouwmeester, H.J., 2017. The sexual advantage of looking, smelling, and tasting good: the metabolic network that produces signals for pollinators. *Trends in Plant Science*, 22(4), pp.338-350.
- Carbone, A. V., Fernandez, F. E., Hernandez, M. P., Alonso, S. M. M. & Arambarri, A. M. 2021. Morpho-anatomical features of the leaves and stems of *Baccharis notoserigila* (Asteraceae) and their relationship with the environment and chemical control. *Bol. Soc. Argent. Bot*, 56 (4): 423-444.
- Chen, H. and Wang, L. 2017. *Sugar Strategies for Biomass Biochemical Conversion*. Technologies for Biochemical Conversion of Biomass. Metallurgical Industry Press, Elsevier Inc, (pp. 137-164).
- Comber, J.B. 1990. *Orchid of Java*. The Bentham-Moxon Trust, Surrey.
- Comber, J.B. 2001. *Orchid of Sumatera*. The Bentham-Moxon Trust, Surrey.

- Davies, K.L., R.P. Emerson & M. Stpiczynska. 2023. Labellar structure of the *Maxillaria splendens* Alliance (Orchidaceae: Maxillariinae) indicates floral polyphenols as a reward for stingless bees. *Plants*, 12 (921):1-16.
- de Melo, M.C., P.P.G. Taucce & E.L. Borba. 2011. Reproductive biology and isolation mechanisms in rupicolous species of the *Acianthera prolifera* complex (Orchidaceae) occurring in southeastern Brazil. *Plant Syst Evol*, 293:161–176.
- Diaz, K. V. L. 2019. *Formalin-Aceto-Alcohol (FAA) Solution for Killing, Fixing and Pickling Botanical Specimen*. Institute of Biological Sciences, University of the Philippines Los Baños, pp 1-2.
- dos Santos, I. S. & M. J. de Silva. 2023. Anatomy and histochemistry of the vegetative system of *Brachystele guayanensis* (Lindl.) Schltr. (Orchidaceae), a potential medicinal species. *Plants*, 12 (2635):1-16.
- Fay, M.F. 2018. Orchid conservation: how can we meet the challenges in the twenty-first century. *Botanical Studies*, 59(16): 1-6.
- Franceschi, V. R. and Horner Jr., H. T. 1980. Calcium oxalate crystals in plants, *The Botanical Review*, 46(4): 361-427.
- Givnish, T.J., D. Spalink, M. Ames, S.P. Lyon, S.J. Hunter<sup>1</sup>, A. Zuluaga, W.J.D. Iles, M.A. Clements, M.T.K. Arroyo, J.L. Mack, L. Endara, R. Kriebel, K.M. Neubig, W.M. Whitten, N.H. Williams & K.M. Cameron. 2015. Orchid phylogenomics and multiple drivers of their extraordinary diversification. The Royal Society. (pp. 1-10).
- Hutchings, M.J, M. K. Robbirt, D.L. Roberts & A.J. Davy. 2018. Vulnerability of a specialized pollination mechanism to climate change revealed by a 356-year analysis. *Botanical Journal of the Linnean Society*, 20: 1-12.
- Jansen, W.A., 1962. *Botanical histochemistry: principles and practice*. WR Freeman, San Francisco.
- Javelle, M., Vernoud, V., Rogowsky, P. and Ingram, G. 2010. Epidermis: The formation and functions of a fundamental plant tissue. *The New Phytologist*, 189: 17-39
- Jensen, W.A. 1962. *Botanical histochemistry: Principle and practice*. W.H. Freeman, California.
- Johansen, D.A. 1940. *Plant microtechnique*. McGraw-Hill Book Company. New York.
- Konyar, S. T., Ozturk, N. & Dane, F. 2014. Occurrence, types and distribution of calcium oxalate crystals in leaves and stems of some species of poisonous plants. *Springer*, 55(32): 1-9.

- Kowalkowska, A.K., M. Kozieradzka-Kiszkurno & S. Turzyński. 2015. Morphological, histological and ultrastructural features of osmophores and nectary of *Bulbophyllum wendlandianum* (Kraenzl.) Dammer (B. section *Cirrhopetalum* Lindl., Bulbophyllinae Schltr., Orchidaceae). *Plant Systematics and Evolution*, 301: 609–622.
- Kowalkowska, A.K., S. Turzyński, M. Kozieradzka-Kiszkurno & N. Wiśniewska. 2016. Floral structure of two species of *Bulbophyllum* section *Cirrhopetalum* Lindl.: *B. weberi* Ames and *B. cumingii* (Lindl.) Rchb. f. (Bulbophyllinae Schltr., Orchidaceae). *Protoplasma*.
- Kowalkowska, A.K., Turzyński, S., Kozieradzka-Kiszkurno, M., Wiśniewska, N., 2017. Floral structure of two species of *Bulbophyllum* section *Cirrhopetalum* Lindl.: *B. weberi* Ames and *B. cumingii* (Lindl.) Rchb. f. (Bulbophyllinae Schltr., Orchidaceae). *Protoplasma* 254, 1431–1449.
- Kull, T. and Hutchings, M. J. A comparative analysis of decline in the distribution ranges of orchid species in Estonia and the United Kingdom. *Biological Conservation*, 129 (1): 31-39.
- Liu, Q., Luo, L. and Zheng, L. 2018. Lignins: Biosynthesis and biological functions in plants. *International Journal of Molecular Sciences*, 19(2): 335.
- Lourenco, A., Rencoret, J., Chemetova, C., Gominho, J., Gutierrez, A., del Rio, J. C. and Pereira, H. 2016. Lignin composition and structure differs between xylem, phloem and phellem in *Quercus suber* L. *Frontiers in Plant Sciences*, 7: 1-14.
- Maghfiroh, L., Rahayu, T. dan Hayati, A. 2018. Profil histokimia dan analisis in silico senyawa metabolit sekunder pada daun zaitun (*Olea europaea* L.). *e-Jurnal Ilmiah SAINS ALAMI (Known Nature)*, 1(1): 74-86.
- Manokari, M., Cokulraj, M., Badhepuri, M. K., Dey, A., Faisal. M., Alatar, A. A., Singh, R. K. and Shekhawat, M. S. 2023. Microstructural and histochemical modifications in leaves at successive stages of in vitro development of the terrestrial orchid *Spathoglottis plicata* Blume. *Horticulture, Environment, and Biotechnology*, 1-14.
- Moreira, A.L., Silva, A.B.D., Santos, A., Reis, C.O.D. and Landgraf, P.R.C., 2013. *Cattleya walkeriana* growth in different micropropagation systems. *Ciência Rural*, 43, pp.1804-1810.
- Morris, M.W., STERN, W.L. and JUDD, W.S., 1996. Vegetative anatomy and systematics of subtribe Dendrobiinae (Orchidaceae). *Botanical Journal of the Linnean Society*, 120(2), pp.89-144.
- Morris, M.W., STERN, W.L. and JUDD, W.S., 1996. Vegetative anatomy and systematics of subtribe Dendrobiinae (Orchidaceae). *Botanical Journal*

*of the Linnean Society*, 120(2), pp.89-144.

- Muthukumar Thangavelu, M.T. and Shenbagam Muthu, S.M., 2017. Vegetative anatomical adaptations of *Epidendrum radicans* (Epidendroideae, Orchidaceae) to epiphytic conditions of growth. *Modern Phytomorphology*, 11, pp.117-130.
- Muthukumar, T. and Shenbagam, M., 2018. Vegetative anatomy of the orchid *Bulbophyllum sterile* (Orchidaceae: Epidendroideae). *Lankesteriana*, 18(1), pp.13-22.
- Nakano, J. and Meshitsuka, G., 1992. *The detection of lignin. In Methods in lignin chemistry*. Berlin, Heidelberg: Springer Berlin Heidelberg, pp. 23-32.
- Natesan, V. And Kim, S. 2021. Lipid Metabolism, Disorders and therapeutic drugs – review. *Biomolecules and Therapeutics*, 29(6): 596-604.
- Neubig, K. T., Carlsward, B. S., Whitten, W. M. And Williams, N. H. 2015. Nectary structure and nectar in *Sobralia* and *Elleanthus* (Sobralieae: Orchidaceae). *Lankesteriana*, 15(2): 113-127.
- Nunes, E.L.P., E.C. Smidt, T. Stützel & A.I. Coan. 2014. What do floral anatomy and micromorphology tell us about Neotropical *Bulbophyllum* section *Didactyle* (Orchidaceae: Bulbophyllinae). *Botanical Journal of the Linnean Society*, 175: 438–452.
- Nunes, E.L.P., E.C. Smidt, T. Stützel & A.I. Coan. 2015. Comparative floral micromorphology and anatomy of species of *Bulbophyllum* section *Napelli* (Orchidaceae), a Neotropical section widely distributed in forest habitats. *Bot J Linn Soc*. 177:378–394.
- Nunes, E.L.P., M. P. Emmerich, E.C. Smidt, T. Stützel & A.I. Coan. 2017. Floral micromorphology and anatomy and its systematic application to Neotropical *Bulbophyllum* section *Micranthae* (Orchidaceae). *Bot J Linn Soc*. 183:294–315.
- Pfister, B. and Zeeman, C. S. 2016. Formation of starch in plant cells. *Cellular and Molecular Life Sciences*, 73: 2781-2807.
- Piazza, L.D., Smidt, E.D.C. and Bona, C., 2015. Comparative anatomy of the vegetative organs of species of *Bulbophyllum* sect. *Didactyle* (Lindl.) Cogn. and *Bulbophyllum* sect. *Xiphizusa* Rchb. f.(Orchidaceae). *Hoehnea*, 42, pp.171-183.
- Plijl, L. van der & Dodson, C. H. (1966). *Orchid Flowers Their Pollination and Evolution*. Fairchild Tropical Garden and the University of Miami Press.
- Puchtler, H. & S. N. Meloan. 1978. Demonstration of phosphates in calcium

- deposits: a modification of von Kossa's reaction. *Histochemistry*, 12(56): 3-4.
- Quinn, P. J. and Williams W. P. 1978. *Plant Lipids and Their Role in Membrane Function*, Departments of Biochemistry and Biophysics, Chelsea College, University of London, London, Vol. 34, pp. 109-173.
- Reiter, N., Vlcek, K., O'Brien, N., Gibson, M., Pitis, D., Brown, G. R., Bower, C. C. & Phillips, R. D. 2017. Pollinator rarity limits reintroduction sites in an endangered sexually deceptive orchid (*Caladenia hastata*): implications for plants with specialized pollination systems. *Botanical Journal of the Linnean Society*, 182 (1): 122-136.
- Richardson, F., Jordan, G.J. and Brodribb, T.J., 2020. Leaf hydraulic conductance is linked to leaf symmetry in bifacial, amphistomatic leaves of sunflower. *Journal of Experimental Botany*, 71(9), pp.2808-2816.
- Riverón-Giró, F.B., Damon, A., García-González, A., Solís-Montero, L., Aguilar-Romero, O., Ramírez-Marcial, N. and Nieto, G., 2017. Anatomy of the invasive orchid *Oeceoclades maculata*: ecological implications. *Botanical Journal of the Linnean Society*, 184(1), pp.94-112.
- Smidt, E. C., Gallo, L. M. & Seaten, V. L. 2013. Leaf anatomical and molecular studies in *Bulbophyllum* section *Micranthae* (Orchidaceae) and their implications for systematics. *Brazilian Journal of Botany*, 36(1): 75-82.
- Stpiczyńska, M. & K.L. Davies. 2016. Evidence for the dual role of floral secretory cells in *Bulbophyllum*. *Acta Biol Cracov Bot*, 58:57–69.
- Stpiczyńska, M., K.L. Davies, and M. Kamińska. 2015. Diverse labellar secretions in African *Bulbophyllum* (Orchidaceae: Bulbophyllinae) sections *Ptiloglossum*, *Oreonastes* and *Megaclinium*. *Botanical Journal of the Linnean Society*, 179: 266–287.
- Stpiczyńska, M., Plachno, B.J. and Davies, K.L., 2018. Nectar and oleiferous trichomes as floral attractants in *Bulbophyllum saltatorium* Lindl.(Orchidaceae). *Protoplasma*, 255, pp.565-574.
- Tahir, M. Muflihunna, A. dan Syafrianti. 2017. penentuan kadar fenolik total ekstrak etanol daun nilam (*Pogostemon Cablin* benth.) dengan metode spektrofotometri UV-Vis. *Jurnal Fitofarmatika Indonesia*, 4(1): 215-218.
- Teixeira, S.P., E.L. Borba & J. Semir. 2004. Lip anatomy and its implications for the pollination mechanisms of *Bulbophyllum* species (Orchidaceae). *Ann Bot*, 93:499–505.

- Teoh, E. S. 2016. *Secondary Metabolites of Plants*. Springer International Publishing, Switzerland, (pp. 59-73).
- Thangavelu, M. and Muthu, S., 2017. Vegetative anatomical adaptations of *Epidendrum radicans* (Epidendroideae, Orchidaceae) to epiphytic conditions of growth. *Modern Phytomorphology*, 11, pp.117-130.
- Vermeulen, J., P. O'Byrne & A. Lamb. 2015. *Bulbophyllum of Borneo*. Natural History Publications (Borneo), Kinabalu.
- Wiśniewska, N. M.M. Lipińska, M. Gołębiowski & A.K. Kowalkowska. 2019. Labellum structure of *Bulbophyllum echinolabium* J.J. Sm. (section *Lepidorhiza* Schltr., Bulbophyllinae Schltr., Orchidaceae Juss.). *Protoplasma*, 256(5): 1185–1203.
- Wollaston, V. B. 2003. *Postharvest Physiology/Senescence, Leaves*. HRI Wallesbourne, Warwick, UK, (pp. 808-816).
- Xiao, W., Z. Li, H.Chen & F. Lv. 2020. Visualization of micromorphology of petal epidermal features of waxy and velvety flowers in *Phalaenopsis*. *ScienceAsia*, 46: 657-664.
- Yang, Y., Luo, X., Wei, W., Fan, Z., Huang, T. and Pan, X. 2020. Analysis of leaf morphology, secondary metabolites and proteins related to the resistance to *Tetranychus cinnabarinus* in cassava (*Manihot esculenta* Crantz). *Scientific Reports*, 2020(10): 1-13.
- Zariman, N. A., Omar, N.A. and Huda, A. N. 2022. Plant attractants and rewards for pollinators: their significance to successful crop pollination. *International Journal of Life Sciences and Biotechnology*, 5(2): 270-293.