

DAFTAR PUSTAKA

- Agusta, W., & Ahmad, U. (2016). Study on Golden Apollo Melon Ripeness Level Using Acoustic Impulse Parameters. *Jurnal Keteknik Pertanian*, 04(2), 1–8. <https://doi.org/10.19028/jtep.04.2.195-202>
- Alba, R., Payton, P., Fei, Z., McQuinn, R., Debbie, P., Martin, G. B., Tanksley, S. D., & Giovannoni, J. J. (2005). Transcriptome and selected metabolite analyses reveal multiple points of ethylene control during tomato fruit development. *Plant Cell*, 17(11), 2954–2965. <https://doi.org/10.1105/tpc.105.036053>
- Alfiani, A. (2017). *Perakitan dan Karakterisasi Molekuler Melon Hibrida (Cucumis melo L. 'Melona')*. Skripsi. Universitas Gadjah Mada.
- Banks, J. A., Nishiyama, T., Hasebe, M., Bowman, J. L., Gribskov, M., DePamphilis, C., Albert, V. A., Aono, N., Aoyama, T., Ambrose, B. A., Ashton, N. W., Axtell, M. J., Barker, E., Barker, M. S., Bennetzen, J. L., Bonawitz, N. D., Chapple, C., Cheng, C., Correa, L. G. G., Grigoriev, I. V. (2011). The selaginella genome identifies genetic changes associated with the evolution of vascular plants. *Science*, 332(6032), 960–963. <https://doi.org/10.1126/science.1203810>
- Becskei, A., & Rahaman, S. (2022). The life and death of RNA across temperatures. In *Computational and Structural Biotechnology Journal* (Vol. 20, pp. 4325–4336). Elsevier B.V. <https://doi.org/10.1016/j.csbj.2022.08.008>
- Berman, J., Zorrilla-López, U., Farré, G., Zhu, C., Sandmann, G., Twyman, R. M., Capell, T., & Christou, P. (2015). Nutritionally important carotenoids as consumer products. In *Phytochemistry Reviews* (Vol. 14, Issue 5, pp. 727–743). Kluwer Academic Publishers. <https://doi.org/10.1007/s11101-014-9373-1>
- Bogacz-Radomska, L., & Harasym, J. (2018). β -Carotene-properties and production methods. In *Food Quality and Safety* (Vol. 2, Issue 2, pp. 69–74). Oxford University Press. <https://doi.org/10.1093/fqsafe/fy004>
- Bohn, T., Desmarchelier, C., El, S. N., Keijer, J., Van Schothorst, E., Rühl, R., & Borel, P. (2019). Symposium 2: Nutrient interactions and their role in protection from chronic diseases: β -Carotene in the human body: Metabolic bioactivation pathways - From digestion to tissue distribution and excretion. *Proceedings of the Nutrition Society*, 78(1), 68–87. <https://doi.org/10.1017/S0029665118002641>
- Bonet, M. L., Ribot, J., Galmés, S., Serra, F., & Palou, A. (2020). Carotenoids and carotenoid conversion products in adipose tissue biology and obesity: Pre-clinical and human studies. In *Biochimica et Biophysica Acta - Molecular and Cell Biology of Lipids* (Vol. 1865, Issue 11). Elsevier B.V. <https://doi.org/10.1016/j.bbalip.2020.158676>
- Boon, C. S., McClements, D. J., Weiss, J., & Decker, E. A. (2010). Factors influencing the chemical stability of carotenoids in foods. *Critical Reviews in Food Science and Nutrition*, 50(6), 515–532. <https://doi.org/10.1080/10408390802565889>
- Burger, Y., Paris, H. S., Cohen, R., Katzir, N., Tadmor, Y., Lewinsohn, E., & Schaffer, A. A. (2010). Genetic Diversity of *Cucumis melo*. *Horticultural Reviews*, 36, 165–198. <https://doi.org/10.1002/9780470527238.ch3>

- Carpinetti, P. D. A., Fioresi, V. S., Cruz, T. I. Da, De Almeida, F. A. N., Canal, D., Ferreira, A., & Da Silva Ferreira, M. F. (2021). Efficient method for isolation of high-quality RNA from *Psidium guajava* L. Tissues. *PLoS ONE*, 16(7 July). <https://doi.org/10.1371/journal.pone.0255245>
- Cazzonelli, C. I., Cuttriss, A. J., Cossetto, S. B., Pye, W., Crisp, P., Whelan, J., Finnegan, E. J., Turnbull, C., & Pogson, B. J. (2009). Regulation of carotenoid composition and shoot branching in Arabidopsis by a chromatin modifying histone methyltransferase, SDG8. *Plant Cell*, 21(1), 39–53. <https://doi.org/10.1105/tpc.108.063131>
- Cazzonelli, C. I., & Pogson, B. J. (2010). Source to sink: regulation of carotenoid biosynthesis in plants. In *Trends in Plant Science* (Vol. 15, Issue 5, pp. 266–274). <https://doi.org/10.1016/j.tplants.2010.02.003>
- Chayut, N., Yuan, H., Ohali, S., Meir, A., Sa'ar, U., Tzuri, G., Zheng, Y., Mazourek, M., Gepstein, S., Zhou, X., Portnoy, V., Lewinsohn, E., Schaffer, A. A., Katzir, N., Fei, Z., Welsch, R., Li, L., Burger, J., & Tadmor, Y. (2017). Distinct mechanisms of the ORANGE protein in controlling carotenoid flux. *Plant Physiology*, 173(1), 376–389. <https://doi.org/10.1104/pp.16.01256>
- Chayut, N., Yuan, H., Ohali, S., Meir, A., Yeselson, Y., Portnoy, V., Zheng, Y., Fei, Z., Lewinsohn, E., Katzir, N., Schaffer, A. A., Gepstein, S., Burger, J., Li, L., & Tadmor, Y. (2015). A bulk segregant transcriptome analysis reveals metabolic and cellular processes associated with Orange allelic variation and fruit β -carotene accumulation in melon fruit. *BMC Plant Biology*, 15(1). <https://doi.org/10.1186/s12870-015-0661-8>
- Chayut, N., Yuan, H., Saar, Y., Zheng, Y., Sun, T., Zhou, X., Hermanns, A., Oren, E., Faigenboim, A., Hui, M., Fei, Z., Mazourek, M., Burger, J., Tadmor, Y., & Li, L. (2021). Comparative transcriptome analyses shed light on carotenoid production and plastid development in melon fruit. *Horticulture Research*, 8(1). <https://doi.org/10.1038/s41438-021-00547-6>
- Chiale, M. C., Rendón, M. A., Labaude, S., Deville, A. S., Garrido-Fernández, J., Pérez-Gálvez, A., Garrido, A., Rendón-Martos, M., Béchet, A., & Amat, J. A. (2021). The color of greater flamingo feathers fades when no cosmetics are applied. *Ecology and Evolution*, 11(20), 13773–13779. <https://doi.org/10.1002/ece3.8041>
- Clayberg, C. D. (1992). *Interaction and Linkage Tests of Flesh Color Genes in Cucumis melo L., Cucurbit Genetics Cooperative Report*.
- Cuevas, H. E., Staub, J. E., & Simon, P. W. (2010). Inheritance of beta-carotene-associated mesocarp color and fruit maturity of melon (*Cucumis melo* L.). *Euphytica*, 173(1), 129–140. <https://doi.org/10.1007/s10681-010-0142-y>
- Curis, E., Nepost, C., Grillault Laroche, D., Courtin, C., Laplanche, J. L., Etain, B., & Marie-Claire, C. (2019). Selecting reference genes in RT-qPCR based on equivalence tests: a network based approach. *Scientific Reports*, 9(1). <https://doi.org/10.1038/s41598-019-52217-2>
- Da Silva, J. M. C., de Castro Viana, E. R., das Chagas, P. S. F., Dombroski, J. L. D., de Moraes, P. L. D., de Souza Tomaz, F. L., & de Sousa Nunes, G. H. (2022). Inheritance of beta-carotene content in melon. *Pesquisa Agropecuaria Brasileira*, 57. <https://doi.org/10.1590/S1678-3921.PAB2022.V57.02833>

- Dahlgren, R. M. T. (1980). A revised system of classification of the angiosperms. *Botanical Journal Of the Linnean Society*, 80, 91–124.
- Daryono, B. S., & Maryanto, D. S. (2018). *Keanekaragaman dan Potensi Sumber Daya Genetik Melon*. UGM Press. Yogyakarta
- Demmig-Adams, B., & Adams, W. W. (2002). Antioxidants in Photosynthesis and Human Nutrition. *Food and Photosynthesis*, 298. <http://science.sciencemag.org/>
- Djè, Y., Bi Irié, Z., Baudoin, J.-P., Djè, Y., Kouonon, L. C., Zoro Bi, A. I., Gnamien, G. Y., & Baudoin, J. (2006). Conservation des amphibiens View project. In *Biotechnol. Agron. Soc. Environ* (Vol. 10, Issue 2). <https://www.researchgate.net/publication/26433497Etudedescaracteristiquesbotaniques,agronomiquesetdelabiolegiefloraledumelonafricain>
- Dunckley, T., & Parker, R. (2001). RNA Turnover. In *Encyclopedia of Genetics* (pp. 1748–1751). Elsevier. <https://doi.org/10.1006/rwgn.2001.1138>
- Eldh, M., Lötvall, J., Malmhäll, C., & Ekström, K. (2012). Importance of RNA isolation methods for analysis of exosomal RNA: Evaluation of different methods. *Molecular Immunology*, 50(4), 278–286. <https://doi.org/10.1016/j.molimm.2012.02.001>
- Emiliani, J., D'Andrea, L., Falcone Ferreyra, M. L., Maulión, E., Rodriguez, E., Rodriguez-Concepción, M., & Casati, P. (2018). A role for β,β -xanthophylls in Arabidopsis UV-B photoprotection. *Journal of Experimental Botany*, 69(20), 4921–4933. <https://doi.org/10.1093/jxb/ery242>
- Feder, A., Chayut, N., Gur, A., Freiman, Z., Tzuri, G., Meir, A., Saar, U., Ohali, S., Baumkoler, F., Gal-On, A., Shnaider, Y., Wolf, D., Katzir, N., Schaffer, A., Burger, J., Li, L., & Tadmor, Y. (2019). The Role of Carotenogenic Metabolic Flux in Carotenoid Accumulation and Chromoplast Differentiation: Lessons From the Melon Fruit. In *Frontiers in Plant Science* (Vol. 10). Frontiers Media S.A. <https://doi.org/10.3389/fpls.2019.01250>
- Ferrari, C., Shivhare, D., Hansen, B. O., Pasha, A., Esteban, E., Provart, N. J., Kragler, F., Fernie, A., Tohge, T., & Mutwil, M. (2020). Expression atlas of *Selaginella moellendorffii* provides insights into the evolution of vasculature, secondary metabolism, and roots. *Plant Cell*, 32, 853–870. <https://doi.org/10.1105/TPC.19.00780>
- Fiedor, J., & Burda, K. (2014). Potential role of carotenoids as antioxidants in human health and disease. *Nutrients*, 6(2), 466–488. <https://doi.org/10.3390/nu6020466>
- Gaafar, A. R. Z., Al-Qurainy, F., Alshameri, A., Khan, S., Nadeem, M., Tarroum, M., Alansi, S., Shaikhaldein, H. O., Salih, A. M., & Arrak, N. (2021). High RNA quality extracted from the tolerant crop *Cyamopsis tetragonoloba* (L.) despite possession of low RNA integrity number. *Biotechnology and Biotechnological Equipment*, 35(1), 608–618. <https://doi.org/10.1080/13102818.2021.1910567>
- Galpaz, N., Gonda, I., Shem-Tov, D., Barad, O., Tzuri, G., Lev, S., Fei, Z., Xu, Y., Mao, L., Jiao, C., Harel-Beja, R., Doron-Faigenboim, A., Tzfadia, O., Bar, E., Meir, A., Sa'ar, U., Fait, A., Halperin, E., Kenigswald, M., ... Katzir, N. (2018). Deciphering genetic factors that determine melon fruit-quality traits using RNA-Seq-based high-resolution QTL and eQTL mapping. *Plant Journal*, 94(1), 169–191. <https://doi.org/10.1111/tpj.13838>

- Gill, P., Bleka, Ø., & Fonneløp, A. E. (2022). Limitations of qPCR to estimate DNA quantity: An RFU method to facilitate inter-laboratory comparisons for activity level, and general applicability. *Forensic Science International: Genetics*, 61. <https://doi.org/10.1016/j.fsigen.2022.102777>
- Giuliano, G., & Diretto, G. (2007). Of chromoplasts and chaperones. *TRENDS in Plant Science*, 12(12). <https://doi.org/10.1371/journal.pone.0000350>
- Harasym, J., & Oledzki, R. (2014). Effect of fruit and vegetable antioxidants on total antioxidant capacity of blood plasma. In *Nutrition* (Vol. 30, Issue 5, pp. 511–517). Elsevier Inc. <https://doi.org/10.1016/j.nut.2013.08.019>
- Havaux, M. (2014). Carotenoid oxidation products as stress signals in plants. In *Plant Journal* (Vol. 79, Issue 4, pp. 597–606). Blackwell Publishing Ltd. <https://doi.org/10.1111/tpj.12386>
- Hoy, M. A. (2013). DNA Amplification by the Polymerase Chain Reaction. In *Insect Molecular Genetics* (pp. 307–372). Elsevier. <https://doi.org/10.1016/b978-0-12-415874-0.00008-1>
- Hughes, M. B. (1948). The inheritance of two characters of *Cucumis melo* and their interrelationship. *Proceedings American Society Hort Science*, 399–402.
- Imsland, F., Feng, C., Boije, H., Bed'hom, B., Fillon, V., Dorshorst, B., Rubin, C. J., Liu, R., Gao, Y., Gu, X., Wang, Y., Gourichon, D., Zody, M. C., Zecchin, W., Vieaud, A., Tixier-Boichard, M., Hu, X., Hallböök, F., Li, N., & Andersson, L. (2012). The Rose-comb mutation in chickens constitutes a structural rearrangement causing both altered comb morphology and defective sperm motility. *PLoS Genetics*, 8(6). <https://doi.org/10.1371/journal.pgen.1002775>
- IPGRI. (2003). *Descriptors for Melon Cucumis Melo L.* International Plant Genetic Resources Institute. www.earthprint.com
- Larkin, M. A., Blackshields, G., Brown, N. P., Chenna, R., Mcgettigan, P. A., McWilliam, H., Valentin, F., Wallace, I. M., Wilm, A., Lopez, R., Thompson, J. D., Gibson, T. J., & Higgins, D. G. (2007). Clustal W and Clustal X version 2.0. *Bioinformatics*, 23(21), 2947–2948. <https://doi.org/10.1093/bioinformatics/btm404>
- Latifah, Y. W. (2016). *Kestabilan Karakter Fenotip dan Molekuler Melon (*Cucumis melo* L. 'Melona') Hasil Segregasi dan Seleksi Populasi*. Skripsi. Universitas Gadjah Mada.
- Law, J. W. F., Mutalib, N. S. A., Chan, K. G., & Lee, L. H. (2014). Rapid methods for the detection of foodborne bacterial pathogens: Principles, applications, advantages and limitations. *Frontiers in Microbiology*, 5(DEC). <https://doi.org/10.3389/fmicb.2014.00770>
- Lehnert, S. J., Christensen, K. A., Vandersteen, W. E., Sakhrani, D., Pitcher, T. E., Heath, J. W., Koop, B. F., Heath, D. D., & Devlin, R. H. (2019). Carotenoid pigmentation in salmon: Variation in expression at BCO2-1 locus controls a key fitness trait affecting red coloration. *Proceedings of the Royal Society B: Biological Sciences*, 286(1913). <https://doi.org/10.1098/rspb.2019.1588>
- Li, F., Vallabhaneni, R., Yu, J., Rocheford, T., & Wurtzel, E. T. (2008). The maize phytoene synthase gene family: Overlapping roles for carotenogenesis in endosperm, photomorphogenesis, and thermal stress tolerance. *Plant Physiology*, 147(3), 1334–1346. <https://doi.org/10.1104/pp.108.122119>

- Li, Paolillo, D. J., Parthasarathy, M. V., DiMuzio, E. M., & Garvin, D. F. (2001). A novel gene mutation that confers abnormal patterns of β -carotene accumulation in cauliflower (*Brassica oleracea* var. *botrytis*). *Plant Journal*, 26(1), 59–67. <https://doi.org/10.1046/j.1365-313X.2001.01008.x>
- Li, & Van Eck, J. (2007). Metabolic engineering of carotenoid accumulation by creating a metabolic sink. In *Transgenic Research* (Vol. 16, Issue 5, pp. 581–585). <https://doi.org/10.1007/s11248-007-9111-1>
- Li, Yang, Y., Xu, Q., Owsiany, K., Welsch, R., Chitchumroonchokchai, C., Lu, S., Van Eck, J., Deng, X. X., Failla, M., & Thannhauser, T. W. (2012). The or gene enhances carotenoid accumulation and stability during post-harvest storage of potato tubers. *Molecular Plant*, 5(2), 339–352. <https://doi.org/10.1093/mp/ssr099>
- Livak, K. J., & Schmittgen, T. D. (2001). Analysis of relative gene expression data using real-time quantitative PCR and the 2- $\Delta\Delta$ CT method. *Methods*, 25(4), 402–408. <https://doi.org/10.1006/meth.2001.1262>
- Lu, S., Van Eck, J., Zhou, X., Lopez, A. B., O'Halloran, D. M., Cosman, K. M., Conlin, B. J., Paolillo, D. J., Garvin, D. F., Vrebalov, J., Kochian, L. V., Küpper, H., Earle, E. D., Cao, J., & Li, L. (2006). The cauliflower Or gene encodes a DnaJ cysteine-rich domain-containing protein that mediates high levels of β -carotene accumulation. *Plant Cell*, 18(12), 3594–3605. <https://doi.org/10.1105/tpc.106.046417>
- Maddocks, S., & Jenkins, R. (2017a). Carrying Out Q-PCR. In *Understanding PCR* (pp. 53–59). Elsevier. <https://doi.org/10.1016/b978-0-12-802683-0.00005-8>
- Maddocks, S., & Jenkins, R. (2017b). Quantitative PCR. In *Understanding PCR* (pp. 45–52). Elsevier. <https://doi.org/10.1016/B978-0-12-802683-0.00004-6>
- Mahmood-ur-Rahman, Qasim, M., Bukhari, S. A., & Shaheen, T. (2014). Bt Crops: A Sustainable Approach towards Biotic Stress Tolerance. A Sustainable Approach towards Biotic Stress Tolerance. In *Emerging Technologies and Management of Crop Stress Tolerance: Biological Techniques* (Vol. 1, pp. 125–142). Elsevier Inc. <https://doi.org/10.1016/B978-0-12-800876-8.00006-0>
- Maiani, G., Castón, M. J. P., Catasta, G., Toti, E., Cambrodón, I. G., Bysted, A., Granado-Lorencio, F., Olmedilla-Alonso, B., Knuthsen, P., Valoti, M., Böhm, V., Mayer-Miebach, E., Behnslian, D., & Schlemmer, U. (2009). Carotenoids: Actual knowledge on food sources, intakes, stability and bioavailability and their protective role in humans. In *Molecular Nutrition and Food Research* (Vol. 53, Issue SUPPL. 2, pp. 194–218). <https://doi.org/10.1002/mnfr.200800053>
- Meléndez-Martínez, A. J., Escudero-Gilete, M. L., Vicario, I. M., & Heredia, F. J. (2010). Study of the influence of carotenoid structure and individual carotenoids in the qualitative and quantitative attributes of orange juice colour. *Food Research International*, 43(5), 1289–1296. <https://doi.org/10.1016/j.foodres.2010.03.012>
- Mezzomo, N., & Ferreira, S. R. S. (2016). Carotenoids functionality, sources, and processing by supercritical technology: A review. In *Journal of Chemistry* (Vol. 2016). Hindawi Publishing Corporation. <https://doi.org/10.1155/2016/3164312>
- Monforte, A. J., Diaz, A., Caño-Delgado, A., & Van Der Knaap, E. (2014). The genetic basis of fruit morphology in horticultural crops: Lessons from tomato and melon. In *Journal of Experimental Botany* (Vol. 65, Issue 16, pp. 4625–4637). Oxford University Press. <https://doi.org/10.1093/jxb/eru017>

- Nasrabadi, M. R. N., & Razavi, S. H. (2011). Optimization of β -carotene production by a mutant of the lactosepositive yeast *Rhodotorula acheniorum* from whey ultrafiltrate. *Food Science and Biotechnology*, 20(2), 445–454. <https://doi.org/10.1007/s10068-011-0062-1>
- Nisar, N., Li, L., Lu, S., Khin, N. C., & Pogson, B. J. (2015). Carotenoid metabolism in plants. In *Molecular Plant* (Vol. 8, Issue 1, pp. 68–82). Cell Press. <https://doi.org/10.1016/j.molp.2014.12.007>
- Paolillo, D. J., Garvin, D. F., & Parthasarathy, M. V. (2004). The chromoplasts of Or mutants of cauliflower (*Brassica oleracea* L. var. *botrytis*). *Protoplasma*, 224(3–4), 245–253. <https://doi.org/10.1007/s00709-004-0059-1>
- Park, S., Kim, H. S., Jung, Y. J., Kim, S. H., Ji, C. Y., Wang, Z., Jeong, J. C., Lee, H. S., Lee, S. Y., & Kwak, S. S. (2016). Orange protein has a role in phytoene synthase stabilization in sweetpotato. *Scientific Reports*, 6. <https://doi.org/10.1038/srep33563>
- Pem, D., & Jeewon, R. (2015). Fruit and Vegetable Intake: Benefits and Progress of Nutrition Education Interventions-Narrative Review Article. In *Iran J Public Health* (Vol. 44, Issue 10). <http://ijph.tums.ac.ir>
- Pénicaud, C., Achir, N., Dhuique-Mayer, C., Dornier, M., & Bohuon, P. (2011). Degradation of β -carotene during fruit and vegetable processing or storage: Reaction mechanisms and kinetic aspects: A review. *Fruits*, 66(6), 417–440. <https://doi.org/10.1051/fruits/2011058>
- Polley, S. D., Boadi, S., Watson, J., Curry, A., & Chiodini, P. L. (2011). Detection and species identification of microsporidial infections using SYBR Green real-time PCR. *Journal of Medical Microbiology*, 60(4), 459–466. <https://doi.org/10.1099/jmm.0.026781-0>
- Prayoga, A., Tawakal, H. A., & Aldiansyah, R. (2018). Perkembangan Metode Deteksi Tingkat Kematangan Buah Melon Berdasarkan Tekstur Kulit Buah dengan Menggunakan Metode Ekstraksi Ciri Statistik dan Support Vector Machine (SVM). *Jurnal Teknologi Terpadu*, 4(1).
- Qin, X., Coku, A., Inoue, K., & Tian, L. (2011). Expression, subcellular localization, and cis-regulatory structure of duplicated phytoene synthase genes in melon (*Cucumis melo* L.). *Planta*, 234(4), 737–748. <https://doi.org/10.1007/s00425-011-1442-8>
- Qiu, X. B., Shao, Y. M., Miao, S., & Wang, L. (2006). The diversity of the DnaJ/Hsp40 family, the crucial partners for Hsp70 chaperones. In *Cellular and Molecular Life Sciences* (Vol. 63, Issue 22, pp. 2560–2570). <https://doi.org/10.1007/s00018-006-6192-6>
- Rao, S., & Arora, K. (2020). Recent trends in molecular techniques for food pathogen detection. In *Chemical Analysis of Food* (pp. 177–285). Elsevier. <https://doi.org/10.1016/b978-0-12-813266-1.00005-x>
- Ruiz-Sola, M. Á., & Rodríguez-Concepción, M. (2012). Carotenoid Biosynthesis in *Arabidopsis*: A Colorful Pathway. *The Arabidopsis Book*, 10, e0158. <https://doi.org/10.1199/tab.0158>
- Russo, C. A. D. M., & Selvatti, A. P. (2018). Bootstrap and rogue identification tests for phylogenetic analyses. *Molecular Biology and Evolution*, 35(9), 2327–2333. <https://doi.org/10.1093/molbev/msy118>

- Russo, P., Botticella, G., Capozzi, V., Massa, S., Spano, G., & Beneduce, L. (2014). A fast, reliable, and sensitive method for detection and quantification of *Listeria monocytogenes* and *Escherichia coli* O157:H7 in ready-to-eat fresh-cut products by MPN-qPCR. *BioMed Research International*, 2014. <https://doi.org/10.1155/2014/608296>
- Sadali, N. M., Sowden, R. G., Ling, Q., & Jarvis, R. P. (2019). Differentiation of chromoplasts and other plastids in plants. In *Plant Cell Reports* (Vol. 38, Issue 7, pp. 803–818). Springer Verlag. <https://doi.org/10.1007/s00299-019-02420-2>
- Shahzad, S., Afzal, M., Sikandar, S., & Afzal, I. (2020). Polymerase Chain Reaction. In *Genetic Engineering - A Glimpse of Techniques and Applications*. IntechOpen. <https://doi.org/10.5772/intechopen.81924>
- Sharma, S. P., Leskovar, D. I., Crosby, K. M., & Ibrahim, A. M. H. (2020). GGE biplot analysis of genotype-by-environment interactions for melon fruit yield and quality traits. *HortScience*, 55(4), 533–542. <https://doi.org/10.21273/HORTSCI14760-19>
- Shin, J., Kim, K., Kang, H., Zulfugarov, I. S., Bae, G., Lee, C.-H., Lee, D., & Choi, G. (2009). Phytochromes promote seedling light responses by inhibiting four negatively-acting phytochrome-interacting factors. *PNAS*, 106(18). www.pnas.org/cgi/content/full/
- Simkin, A. J., Gaffé, J., Alcaraz, J. P., Carde, J. P., Bramley, P. M., Fraser, P. D., & Kuntz, M. (2007). Fibrillin influence on plastid ultrastructure and pigment content in tomato fruit. *Phytochemistry*, 68(11), 1545–1556. <https://doi.org/10.1016/j.phytochem.2007.03.014>
- Singh, H., Kaur, K., Singh, M., Kaur, G., & Singh, P. (2020). Plant Cyclophilins: Multifaceted Proteins With Versatile Roles. In *Frontiers in Plant Science* (Vol. 11). Frontiers Media S.A. <https://doi.org/10.3389/fpls.2020.585212>
- Singh, J., Metrani, R., Jayaprakasha, G. K., Crosby, K. M., Jifon, J. L., Ravishankar, S., Brierley, P., Leskovar, D. L., Turini, T. A., Schultheis, J., Coolong, T., Guan, W., & Patil, B. S. (2022). Profiling carotenoid and sugar contents in unique *Cucumis melo* L. cultigens harvested from different climatic regions of the United States. *Journal of Food Composition and Analysis*, 106. <https://doi.org/10.1016/j.jfca.2021.104306>
- Sobir, & Siregar, F. D. (2010). *Budi Daya Melon Unggul*. Penebar Swadaya.
- Stanley, L., & Yuan, Y. W. (2019). Transcriptional Regulation of Carotenoid Biosynthesis in Plants: So Many Regulators, So Little Consensus. In *Frontiers in Plant Science* (Vol. 10). Frontiers Media S.A. <https://doi.org/10.3389/fpls.2019.01017>
- Tamura, K., Stecher, G., & Kumar, S. (2021). MEGA11: Molecular Evolutionary Genetics Analysis Version 11. *Molecular Biology and Evolution*, 38(7), 3022–3027. <https://doi.org/10.1093/molbev/msab120>
- Taniwaki, M., Takahashi, M., & Sakurai, N. (2009). Determination of optimum ripeness for edibility of postharvest melons using nondestructive vibration. *Food Research International*, 42(1), 137–141. <https://doi.org/10.1016/j.foodres.2008.09.007>
- Taniwaki, M., Tohro, M., & Sakurai, N. (2010). Measurement of ripening speed and determination of the optimum ripeness of melons by a nondestructive acoustic vibration method. *Postharvest Biology and Technology*, 56(1), 101–103. <https://doi.org/10.1016/j.postharvbio.2009.11.007>

- Tavares, L., Alves, P. M., Ferreira, R. B., & Santos, C. N. (2011). Comparison of different methods for DNA-free RNA isolation from SK-N-MC neuroblastoma. *BMC Research Notes*, 4(1), 3. <https://doi.org/10.1186/1756-0500-1-140>
- The UniProt Consortium. (2019). UniProt: A worldwide hub of protein knowledge. *Nucleic Acids Research*, 47(D1), D506–D515. <https://doi.org/10.1093/nar/gky1049>
- Tzuri, G., Zhou, X., Chayut, N., Yuan, H., Portnoy, V., Meir, A., Sa'Ar, U., Baumkoler, F., Mazourek, M., Lewinsohn, E., Fei, Z., Schaffer, A. A., Li, L., Burger, J., Katzir, N., & Tadmor, Y. (2015). A “golden” SNP in CmOr governs the fruit flesh color of melon (*Cucumis melo*). *Plant Journal*, 82(2), 267–279. <https://doi.org/10.1111/tpj.12814>
- Ueda, H., & Kusaba, M. (2015). Strigolactone regulates leaf senescence in concert with ethylene in arabidopsis. *Plant Physiology*, 169(1), 138–147. <https://doi.org/10.1104/pp.15.00325>
- Vijayalakshmi, A., Chakravarty, M. S., Avuthu, M. R., & Rao, T. N. (2018). Isolation and quantification of carotenoids in lobster species off Visakhapatnam coast, Andhra Pradesh. *Indian Journal of Geo Marine Sciences*, 47(07), 1435–1440.
- Walter, M. H., & Strack, D. (2011). Carotenoids and their cleavage products: Biosynthesis and functions. In *Natural Product Reports* (Vol. 28, Issue 4, pp. 663–692). <https://doi.org/10.1039/c0np00036a>
- Wang, G., Du, Y., Ma, X., Ye, F., Qin, Y., Wang, Y., Xiang, Y., Tao, R., & Chen, T. (2022). Thermophilic Nucleic Acid Polymerases and Their Application in Xenobiology. In *International Journal of Molecular Sciences* (Vol. 23, Issue 23). MDPI. <https://doi.org/10.3390/ijms232314969>
- Wang, Y., Wang, Q., Huang, H., Huang, W., Chen, Y., McGarvey, P. B., Wu, C. H., & Arighi, C. N. (2021). A crowdsourcing open platform for literature curation in UniProt. *PLoS Biology*, 19(12). <https://doi.org/10.1371/JOURNAL.PBIO.3001464>
- Wibowo, W. A. (2021). *Karakteristik Gen CmBt Dalam Regulasi Biosintesis Cucurbitacin dan Studi In Silico Senyawa Bioaktif Pada Tanaman Melon (*Cucumis melo* L.) cv. “Gama melon Parfum”*. Disertasi. Universitas Gadjah Mada.
- Wright, D., Boije, H., Meadows, J. R. S., Bed'hom, B., Gourichon, D., Vieaud, A., Tixier-Boichard, M., Rubin, C. J., Imsland, F., Hallböök, F., & Andersson, L. (2009). Copy number variation in intron 1 of SOX5 causes the Pea-comb phenotype in chickens. *PLoS Genetics*, 5(6). <https://doi.org/10.1371/journal.pgen.1000512>
- Xu, L., He, Y., Tang, L., Xu, Y., & Zhao, G. (2022). Genetics, Genomics, and Breeding in Melon. *Agronomy*, 12(11), 2891. <https://doi.org/10.3390/agronomy12112891>
- Yuan, H., Owsiany, K., Sheeja, T. E., Zhou, X., Rodriguez, C., Li, Y., Welsch, R., Chayut, N., Yang, Y., Thannhauser, T. W., Parthasarathy, M. V., Xu, Q., Deng, X., Fei, Z., Schaffer, A., Katzir, N., Burger, J., Tadmor, Y., & Li. (2015). A single amino acid substitution in an ORANGE protein promotes carotenoid overaccumulation in arabidopsis. *Plant Physiology*, 169(1), 421–431. <https://doi.org/10.1104/pp.15.00971>
- Yuan, H., Zhang, J., Nageswaran, D., & Li, L. (2015). Carotenoid metabolism and regulation in horticultural crops. In *Horticulture Research* (Vol. 2). Nature Publishing Group. <https://doi.org/10.1038/hortres.2015.36>

- Zhao, G., Lian, Q., Zhang, Z., Fu, Q., He, Y., Ma, S., Ruggieri, V., Monforte, A. J., Wang, P., Julca, I., Wang, H., Liu, J., Xu, Y., Wang, R., Ji, J., Xu, Z., Kong, W., Zhong, Y., Shang, J., ... Huang, S. (2019). A comprehensive genome variation map of melon identifies multiple domestication events and loci influencing agronomic traits. *Nature Genetics*, 51(11), 1607–1615. <https://doi.org/10.1038/s41588-019-0522-8>
- Zhou, X., Rao, S., Wrightstone, E., Sun, T., Lui, A. C. W., Welsch, R., & Li, L. (2022). Phytoene Synthase: The Key Rate-Limiting Enzyme of Carotenoid Biosynthesis in Plants. In *Frontiers in Plant Science* (Vol. 13). Frontiers Media S.A. <https://doi.org/10.3389/fpls.2022.884720>
- Zhou, X., Welsch, R., Yang, Y., Álvarez, D., Riediger, M., Yuan, H., Fish, T., Liu, J., Thannhauser, T. W., & Li, L. (2015). Arabidopsis OR proteins are the major posttranscriptional regulators of phytoene synthase in controlling carotenoid biosynthesis. *Proceedings of the National Academy of Sciences of the United States of America*, 112(11), 3558–3563. <https://doi.org/10.1073/pnas.1420831112>