DAFTAR PUSTAKA

Abdel-Galeil, L. M., Abd El-Baky M. A., Metwaly H. A. A., and Shams El-Din I. M. 2016. Improvement of Date Palm (*Phoenix dactylifera* L.) Plantlets during Aclimatization Stage by Using EM (Effective Microorganisms) and Potassein - N fertilizer. *Middle East Journal of Agriculture Research*. 5(2): 272-278.

Abreha, K. B., Muluken E., Anders S. C., Ramesh R. V., Tileye F., Tiny M., Dickson N., and Mulatu G. 2022. Sorghum in Dryland: Morphological, Physiological, and Molecular Responses of Sorghum Under Drought Stress. *Planta*. 255(20): 1-23.

Adesoji, A.G., Ogunwole, J. O., and Ojoko, E. A. 2018. Growth Performance of Sorghum (*Sorghum bicolor* L.) as Influenced by Legumes Incorporation and Nitrogen Application in Sudan Savanna of Nigeria. *FUDMA Journal of Sciences (FJS)*. 2(2): 203-211.

Ahmad, S., Chuqiao L., Jie G., Yonglu W., Qi X., Jianpeng J., Genfa Z., and Fengxi Y. 2024. Integrated Proteomic, Transcriptomic, and Metabolomic Profiling Reveals that the Gibberellin–Abscisic Acid Hub Runs Flower Development in the Chinese orchid *Cymbidium sinense*. *Horticulture Research*. 11(5): 1-17.

Al-Qaisi, W. A. and Al-Arqwazi, A.L.A 2016, Response of Two Cultivars of Barley (*Hordeum vulgare* L.) Grown in the Demi-Zone for Foliar Spraying with Peroxide Hydrogen and Vitamin C in Some Morphological Traits. *Al-Mustansiriya Science Journal*. 27(5): 1814-635.

Ananda, G. K. S., Harry M., Sally L. N., Roslyn G., Agnelo F., and Robert J. H. 2020. Wild Sorghum as a Promising Resource for Crop Improvement. *Frontiers*. 11(1108): 1-14.

Anggraeni, F. D., Endah D. H., dan Sri H. 2019. Pengaruh Pupuk Organik Padat dan Cair dari Serasah Mangrove terhadap Pertumbuhan Tanaman Sorgum (*Sorghum bicolor* L. var. Numbu). *Jurnal Akademika Biologi*. 8(2): 18-23.

Anothairungrat, S., S. Ouajai, and K. Piyamongkala. 2019. Screening Test of Evaluation Thermal Hazard for H2O2 by DSC. *IOP Conf. Series: Earth and Environmental Science*. 219: 1-7.

Apolo-Apolo, OE, Pérez-Ruiz M., Martínez-Guanter J., Egea G.. 2020. A Mixed Data-Based Deep Neural Network to Estimate Leaf Area Index in Wheat Breeding Trials. *Agronomy*. 10(2):175.

Arias-Moreno, D.M., Jiménez-Bremont, J.F., Maruri-López, I. *et al.* 2017. Effects of Catalase on Chloroplast Arrangement in *Opuntia streptacantha* Chlorenchyma Cells Under Salt Stress. *Sci Rep.* **7**(8656): 1-14.

Asghar, N, Nudrat A. A., Amina, A. Huma S., Shameem K., Ansa A. Tayyaba I., Sahar M., Hafiz M. A., Muhammad S., and Istakhar J. 2021. Foliar-Applied Hydrogen Peroxide and Proline Modulates Growth, Yield and Biochemical Attributes of Wheat (*Triticum aestivum* L.) under Varied N and P Levels. *Fresenius Environment Bulletin*. 30(5): 5445-5465.

Bao, Y., Lie T., Matthew W. B., Maria G. S. F., and Patrick S.S. 2018. Field-Based Robotic Phenotyping of Sorghum Plant Architecture Using Stereo Vision. *Journal of Field Robotics.* 36(2): 397-41.

Basal, O., Tahoora B. Z., and Szilvia V.. 2024. Elevated Tolerance of Both Short-Term and Continuous Drought Stress During Reproductive Stages by Exogenous Application of Hydrogen Peroxide on Soybean. *Scientific Reports*. 14(2200): 1-19.

Bhattarai, B., Sukhbir S., Charles P. W., Glen L. R., and Calvin L. T. 2020. Water Depletion Pattern and Water Use Efficiency of Forage Sorghum, Pearl millet, and Corn Under Water Limiting Condition. *Agricultural Water Management*. 238.

Capitulino, J.D., Lima,G.S.d., Azevedo, C.A.V.d., Silva,A.A.R.d., Arruda, T.F.d.L., Soares,L.A.d.A., Gheyi, H.R., Dantas Fernandes, P., Sobral de Farias, M.S., Silva, F.d.A.d., *et al.* 2023. Influence of Foliar Application of Hydrogen Peroxide on Gas Exchange, Photochemical Efficiency, and Growth of Soursop under Salt Stress. *Plants*. 12: 1-17.

Cho, L., Richa P., Jinmi Y., Jong-Seong J., and Gynheung A. 2018. Roles of Sugars in Controlling Flowering Time. J. Plant Biol. 61: 121-130.

Chrisdiana, R.. 2021. In Sacco Digestibility Sorghum Hydroponic Fodder From Different Cultivar and Harvest Time. *Tropical Animal Science*. 3(2): 1-8.

Dampanaboina, L, Yinping J., Junping C., Nicholas G., Ratan C., Gloria B., Chad H., Shawn A. C., John B., Doreen W., and Zhanguo X. 2019. Sorghum *MSD3* Encodes an ω-3 Fatty Acid Desaturase that Increases Grain Number by Reducing Jasmonic Acid Levels. *International Journal of Molecular Sciences*. 20(21): 5359.

Delmer, D., Richard A.D., Kenneth K., and Debra M. 2024. The Plant Cell Wall-Dynamic, Strong, and Adaptable is a Natural Shapeshifter. *Plant Cell*. 36(5): 1257-1311.

Dembélé, S., Robert B. Z., Adama C., John P. A. L., and Jonathan P. T. 2021. Accelerating Seed Germination and Juvenile Growth of Sorghum (*Sorghum bicolor* L. Moench) to Manage Climate Variability through Hydro-Priming. *Atmosphere*. 12(4): 1-14.

Devnarain, N., B.G. Crampton, R. Chikwamba, J.V.W. Becker, and M.M. O'Kennedy. 2016. Physiological Responses of Selected African Sorghum Landraces to Progressive Water Stress and Re-Watering. *South African Journal of Botany*. 103: 61-69.

Elhady, S.A., El-Gawad, H.G.A., Ibrahim, M.F.M., Mukherjee, S., Elkelish, A., Azab, E., Gobouri, A.A., Farag, R., Ibrahim, H.A., and El-Azm, N.A. 2021. Hydrogen Peroxide Supplementation in Irrigation Water Alleviates Drought Stress and Boosts Growth and Productivity of Potato Plants. *Sustainability*. 13(2): 1-16.

Elsahookie, M. 2014. Estimating Sorghum Leaf Area by Measuring One Leaf Length. *The Iraqi Journal of Agricultural Sciences*. 45(1): 1-5.

Gano, B., Dembele, J.S.B. Tovignan, T.K. Sine, B. Vadez, V. Diouf, D. Audebert. 2021. Adaptation Responses to Early Drought Stress of West Africa Sorghum Varieties. *Agronomy*. 11(443): 1-21.

Gryszel, M. 2020. *Organic Electronic Materials for Hydrogen Peroxide Production*. Sweden: LiU-Tryck.

Hale, R. R., Taghi B., Gurpreet K., John W. S., Bhupinder S., and Tessie W. 2019. Sensitivity and Recovery of Grain Sorghum to Simulated Drift Rates of Glyphosate, Glufosinate, and Paraquat. *Agriculture*. 9(4): 1-10.

Halleux, F., Jean-François P., Ian W., Romuald V.R., and Michel L. 2022. Small-Scale Detonation of Industrial Urea-Hydrogen Peroxide (UHP). *Propellants, Explosives, Pyrotechnics*. 47(2).

Hamidi, N.H.; Ahmed, O.H.; Omar, L.; Ch'ng, H.Y.; Johan, P.D.; Paramisparam, P.; Musah, A.A.; Jalloh, M.B. 2023. Co-Application of Inorganic Fertilizers with Charcoal and Sago Bark Ash to Improve Soil Nitrogen Availability, Uptake, Use Efficiency, and Dry Matter Production of Sorghum Cultivated on Acid Soils. *Sustainability*. 15(1): 1-19.

Harahap, I. K. 2016. Pengaruh Unsur Hara Terhadap Pertumbuhan Akar dan Tajuk Tanaman Kedelai. *Skripsi*. Jur. Studi Agroteknologi Fakultas Pertanian Univ. Sriwijaya, Palembang.

Hatta, M., Sulakhudin, Rusli B., Gontom C.K., Dina O.D., Juliana C.K., Dadan P., Khojin S., Riki W., Hozin A., Putri T.S., and Dwi P.W. 2023. Food Self-Sufficiency: Managing the Newly-Opened Tidal Paddy Fields for Rice Farming in Indonesia (A Case Study in West Kalimantan, Indonesia). *Heliyon*. 9: 1-10.

Ibrahim, M. E. H., Adam Y. A. A., Aboagla M. I. E., Guisheng Z., Nimir E. A. N., Gamareldawla H. D. A., and Guanglong Z. 2021. Mitigation Effect of Biochar on Sorghum Seedling Growth Under Salinity Stress. Pakistan *Journal of Botany*. 53(2): 387-392.

Indriatama, W. M., Galuh S. Garnita, T. Setiadi, Sihono, and S. Human. 2020. Yield Productivity Test and Morphological Characterization of 19 Sorghum Lines Resulted from Mutation Breeding. *OP Conf. Series: Earth and Environmental Science*. 484: 1-9.

Irawan, F. Y., W. A. Al'Jumiati, C. Pasau, N. S. Asminaya, and Nurlaha. 2022. Potential Development of Sorghum Plants (*Sorghum bicolor* L. Moench) as Alternative Animal Feed in South Konawe Regency. Biological Sciences Research. 20: 329-344.

Jamaludin R, Mat N, Suryati Mohd K, Afiza Badaluddin N, Mahmud K, Hailmi Sajili M, Khandaker MM. 2020. Influence of Exogenous Hydrogen Peroxide on Plant Physiology, Leaf Anatomy and Rubisco Gene Expression of the *Ficus deltoidea* Jack var. Deltoidea. *Agronomy*. 10(4):497.

Jamil, M. N. M. and Norazura M. B. 2016. Reuse of Sewage Sludge Ashes in Cement Mortar Mixtures on Varies Incinerated Temperatures. *Malaysian Construction Research Journal*. 18(1): 91-103.

Jira-anunkul W., Pattanagul W. 2021. Effects of hydrogen peroxide application on agronomic traits of rice (*Oryza sativa* L.) under drought stress. *Plant Soil Environ*. 67: 221–229.

Karimuna, S. R., A. Wahab, Warda, and Baharudin. 2020. The Effectiveness of Fertilizing to Increase Growth and Productivity Sorghum on Dry Land and Marginal in Southeast Sulawesi. *IOP Conf. Series: Earth and Environmental Science*. 484: 1-10.

Khan I, Muhammad A., Chattha M.U., Skalicky M., Bilal C.M., Ahsin A.M., Rizwan A.M, Soufan W., Hassan M.U., Rahman M.A., Brestic M., Zivcak M., and El S.A. 2022. Mitigation of Salinity-Induced Oxidative Damage, Growth, and Yield Reduction in Fine Rice by Sugarcane Press Mud Application. *Front. Plant Sci*. 13: 1-13.

Kotb, M. A., G. M. Yakout, Fatma S. Ali, and M. G. Abas. 2021. The Interactive Effect Between Water Stress and Foliar Spraying With Ascorbic Acid or Hydrogen Peroxide on Wheat Productivity. *Zagazig J. Agric. Res.* 48(5): 1181-1195.

Krismawati, A., Evy L., and Sugiono. 2022. Effectiveness of Dolomite on Growth and Yield of Maize (*Zea mays* l.) in Dry Land. *Biological Sciences Research*. 17: 5-20.

Kumari R., S. Ashraf, G.K. Basri, S.K. Khatik, D.K. Bagri, and D.L. Bagdi. 2018. Extraction and Estimation of Chlorophyll Content of Seed Treated Lentil Crop Using DMSO and Acetone. *Journal of Pharmacognosy and Phytochemistry*. 7(3): 249-250.

Kumari, R., S Ashraf, GK Bagri, SK Khatik, DK Bagri and DL Bagdi. 2018. Extraction and estimation of chlorophyll content of seed treated lentil crop using DMSO and acetone. *Journal of Pharmacogn Phytochemistry*. 7(3): 249-250.

Lestari, R., Satya N., Kartika N.T., Mahat M., Arwan S., I Made S. Sri W., Suliasih, Indriati R., Masrukhin A.N.R., and Siti R.A. 2022. *Technical Guideline: Sorghum Cultivation on Imperata Grassland or Marginal Lands*. Bogor: IPB Press and Publishing.

Li Y., Mao P., Zhang W., Wang X., You Y., Zhao H., Zhai L., Liu G. 2015. Dynamic Expression of The Nutritive Values in Forage Sorghum Populations Associated With White, Green and Brown Midrid Genotypes. *Field Crops Research*. 184(2015): 112–122.

Li, J., Xiaoyan Z., Jiaping Z., Ran S., Yu W., and Pei J.. 2020. Comparative Study on Several Determination Methods of Chlorophyll Content in Plants. *IOP Conference Series: Materials Science and Engineering*. 730: 1-7.

Li, R., Weyin Z., Meng J., and Huali Z. 2021. A Review of Starch Biosynthesis in Cereal Crops and its Potential Breeding Applications in Rice (*Oryza Sativa* L.). *PeerJ*. 1-32.

Lunau K., Zong-Xin R., Xiao-Qing F., Judith T., Graham H.P., and Hong W. 2020. Nectar Mimicry: a New Phenomenon. *Scientific Reports*. 10(7039): 1-11.

Majzoobi, M., Jafarzadeh, S., Teimouri, S., Ghasemlou, M., Hadidi, M., Brennan, C.S. 2023. The Role of Ancient Grains in Alleviating Hunger and Malnutrition. *Foods*. 12(2213): 1-18.

Mbeong, Y. S. N., Nafiatul U., Chusnul H., Andriyani A., Muhlisin, and Eka R. V. R. 2022. The Effect of Mycorrhizal Provision and Watering Frequency on the Nutrient and Prussic Acid Content of Sorghum (*Sorghum bicolor* (L.) Moench). *Proceedings of the International Conference on Improving Tropical Animal Production for Food Security (ITAPS 2021)*. 20: 230-236.

Mhamdi, A. and Frank V. B. 2018. Reactive Oxygen Species in Plant Development. *Development*. 145(15): 1-12.

Mohamed S.E.D. and Hussein A.M. 2023. Effect of Foliar Application with Sulfur Element and Amino Acid Selenocysteine on Maize (*Zea mays* L.) Exposed to Stress with Hydrogen Peroxide. *IOP Conf. Series: Earth and Environmental Science*. 1262: 1-11.

Möller, M.N., Cuevasanta, E., Orrico, F., Lopez, A.C., Thomson, L., Denicola, A. 2019. Diffusion and Transport of Reactive Species Across Cell Membranes. In: Trostchansky, A., Rubbo, H. (eds) Bioactive Lipids in Health and Disease. *Advances in Experimental Medicine and Biology*. 1127: 3-19.

Morley, P. J., Alistair S. J., Martin D. W., and Daniel N. M. D. 2020. Spectral Response of Chlorophyll Content During Leaf Senescence in European Beech Trees. *Environmental Research Communications*. 7(2): 1-10.

Muhammad, I., Yang, L., Ahmad, S., Farooq, S., Al-Ghamdi, A.A., Khan, A., Zeeshan, M., Elshikh, M.S., Abbasi, A.M., and Zhou, X.-B. 2022.

Nitrogen Fertilizer Modulates Plant Growth, Chlorophyll Pigments and Enzymatic Activities under Different Irrigation Regimes. *Agronomy*. 12(845): 1-20.

Muhidin, E. Syam'un, Kaimuddin, Y. Musa, G.R. Sadimantara, Usman, S. Leomo, and T.C. Rakian. 2018. The Effect of Shade on Chlorophyll and Anthocyanin Content of Upland Red Rice. *IOP Conf. Series: Earth and Environmental Science*. 122: 1-6.

Mukherjee, S. and Francisco J.C. 2023. H_2O_2, NO, and H_2S Networks During Root Development and Signalling under Physiological and Challenging Environments: Beneficial or Toxic?. Plant Cell Environ. 46(3): 688-717.

Nisbett, K., Abida A., Su H.E.K., G.A. Mott, and Jason C.L.B. 2024. Degradation and Resynthesis of Chlorophyll During Increased Oxidative Stress and Prolonged Darkness Differ Between Annual and Perennial Flax (*Linum* L.). *Oil Crop Science*. 9(2): 121-130.

Nurnaeimah, N., Nashriyah M., Khamsah S. M., Noor A. B., Nornasuha Y., Mohammad H. S., Khairil M., Ahmad F. M. A., and Mohammad M. K. 2020. The Effects of Hydrogen Peroxide on Plant Growth, Mineral Accumulation, as Well as Biological and Chemical Properties of Ficus deltoidea. *Agronomy*. 10(1): 1-19.

Nursa'adah, W, Akasah, D. P. Totti, and M. O. Mulya. 2023. Comparison of Several Weed Control and Tillage Techniques in Suppressing Weeds and Increasing Maize Production for Integrated Weed Control. *IOP Conference Series: Earth and Environmental Science*. 1302: 1-10.

Paiva, C. L., D´ea A.M. Netto, Val´eria A.V. Queiroz, and Maria Beatriz A. Gloria. Germinated Sorghum (*Sorghum bicolor* L.) and Seedlings Show Expressive Contents of Putrescine. *LWT: Food Science and Technology*. 161: 1-8.

Prisillia, R. M., Ari S., and Solichatun. 2021. Screening of Phosphate Solubilizing Bacteria from Sugarcane Plant Rhizosphere as Biofertilizer Agent for Sorghum Growth (*Sorghum bicolor*). *Asian Journal of Tropical Biotechnology*. 18(1): 38-45.

Pujiharti, Y., E. Paturohman, and Ikhwani. 2022. Prospect of Sorghum Development as Corn Substitution in Indonesia. *IOP Conf. Series: Earth and Environmental Science*. 978: 1-6.

Purnavita, S. dan Sri S. 2020. Pelatihan Teknologi Pembuatan Lem Poli Vinil Asetat (PVAc) pada Produsen Album Elvira. *Jurnal Karya untuk Masyarakat*. 1(2): 11-21.

Qin, L., Xin Z., Jie Y., Lu F., Chunxiao R., Chuanyuan M., and Manrang Z.. 2019. Efect of Exogenous Spermidine on Foral Induction, Endogenous Polyamine and Hormone Production, and Expression of Related Genes in 'Fuji' Apple (*Malus domestica* Borkh.). *Scientific Reports*. 9(1): 1-11.

Ralmi, N.H.A.A., Mohammad M.M.K., Khamsah, S.M., Ali M., Ahmed M.F., Nor A.B., Nornasuha Y., Khairil M., Mohamed S., Normaniza O., and Zanariah M.N. 2021. Influence of Rhizopheric H_2O_2 on Growth, Mineral Absorption, Root Anatomy and Nematode Infection of *Ficus deltoidea*. *Agronomy*. 11(704): 1-29.

Rangan, P. R., Rita I., A. Arwin A., dan Bambang B. 2019. Studi Pemanfaatan Abu Jerami, Abu Terbang dan Tanah Laterit Sebagai Material Geopolymer. *Prosiding Konferensi Nasional Pascasarjana Teknik Sipil (KNPTS)*. 385-392.

Ratajczak E., Arleta M., Agnieszka B., and Ewa M.K. 2015. The Production, Localization and Spreading of Reactive Oxygen Species Contributes to the Low Vitality of Long-Term Stored Common Beech (*Fagus sylvatica* L.) seeds. *Journal of Plant Physiology*. 174: 147-156.

Roussos, P.A. 2023. Adventitious Root Formation in Plants: The Implication of Hydrogen Peroxide and Nitric Oxide. *Antioxidants.* 12(862): 1-7.

Ruvananda, A. R. dan M. Taufik. 2022. Analisis faktor-faktor yang mempengaruhi impor beras di Indonesia. *KINERJA: Jurnal Ekonomi dan Manajemen*. 19(2): 195-204.

Safi, S. M. A., Watheq F. H., and Rafid A. A.A. 2020. Evaluation of The Effectiveness of Sorghum Leaf Extract and Herbicide in Controlling Flax Weeds. *Int. J. Agricult. Stat. Sci*. 16(1): 1559-1563.

Scharwies J.D. and Dinneny J.R. 2019. Water Transport, Perception, and Response in Plants. J Plant Res 132(3): 311–324.

Sehgal, A., Kumari S., Kadambot H.M.S., Rakesh K., Sailaja B., Rajeev K.V., Bindumadhava H., Ramakrishnan M.N., P.V.V. Prasad, and Harsh

N. 2018. Drought or/and Heat-Stress Effects on Seed Filling in Food Crops: Impacts on Functional Biochemistry, Seed Yields, and Nutritional Quality. *Frontiers in Plant Science*. 9: 1-19.

Setiawan, E. B. dan Herdianto, R. 2018. Penggunaan Smartphone Android sebagai Alat Analisis Kebutuhan Kandungan Nitrogen pada Tanaman Padi. *Jurnal Nasional Teknik Elektro dan Teknologi Informasi*. 7(3): 273-280.

Shim, D., Lee S., Chung J., Kim M. C., Chung J. S., Lee Y., Jeon S., Lagu G., and Shim S. 2020. Mitigation Effects of Foliar-Applied Hydrogen Peroxide on Drought Stress in *Sorghum bicolor*. *The Korean Journal of Crop Science*. 65(2): 113-123.

Silva, André A. R. Da, Geovani S. de Lima, Carlos A. V. de Azevedo, Luana L. de S. A. Veloso, Hans R. Gheyi, and Lauriane A. dos A. Soares. 2019. Salt Stress and Exogenous Application of Hydrogen Peroxide on Photosynthetic Parameters of Soursop. *Revista Brasileira de Engenharia Agrícola e Ambiental*. 23(4): 257-263.

Silva, P. C. C., André D. A. N., Hans R. G., Rogério F. R., Caroline R. R. S., and Alide M. W. C. 2020. Salt-Tolerance Induced by Leaf Spraying with H_2O_2 in Sunflower is Related to the Ion Homeostasis Balance and Reduction of Oxidative Damage. *Heliyon*. 6(9).

Silva. A.A.R., Pedro F.N.S., Geovani S.L., Lauriane A.A.S., Francisco J.S.P., Hans R.G. and Carlos, A.V.A.. 2024. Hydrogen Peroxide to Mitigate the Effects of Salt Stress in the Mini Watermelon Under Hydroponic Cultivation. *Revista Ciencia Agronomica*. 55: 1-13.

Skowron, E. and Magdalena T. 2021. Effect of Exogenously-Applied Abscisic Acid, Putrescine and Hydrogen Peroxide on Drought Tolerance of Barley. *Biologia*. 76: 453-468.

Sohag AAM, Tahjib-Ul-Arif M, Brestič M, Afrin S, Sakil M. A., Hossain M. T., Hossain M. A., and Hossain M. A. 2020. Exogenous Salicylic Acid and Hydrogen Peroxide Attenuate Drought Stress in Rice. *Plant Soil Environment*. 66(1): 7-13.

Steffens, B. and Amanda R. 2016. The Physiology of Adventitious Roots. *Plant Physiology*. 170(2): 603-617.

Szpunar-Krok, E., Jańczak-Pieniążek, M., Skrobacz, K., Bobrecka-Jamro, D., and Balawejder, M. 2020. Response of Potato (*Solanum Tuberosum* L.) Plants to Spraying by Hydrogen Peroxide. *Sustainability*. 12: 1-15.

Telaumbanua, S. M., Firdaus L., Yurmanius W., Aluiwaauri T., Bestari L., dan Darmawan H. 2023. Aplikasi Bahan Amelioran Pada Peningkatan Pertumbuhan Padi Sawah. *AKSARA: Jurnal Ilmu Pendidikan Nonformal*. 9(2): 1361-1368.

Thakulla, D. and Bruce L. D. 2022. Timing and Rates of Two Products Using Hydrogen Peroxide (H_2O_2) to Control Algae in Ebb and Flow Hydroponic Systems. *HortScience*. 57(1): 32-39.

Tonapi, V.A., Harvinder S.T., Ashok K.A., B.V. Bhat, Ch.R. Reddy, and Timothy J.D. 2020. Sorghum in the 21st Century: Food – Fodder – Feed – Fuel for a Rapidly Changing World. Singapore: Springer Nature Singapore.

Voitsekhovskaja, O.V. and E.V. Tyutereva. 2015. Chlorophyll *b* in Angiosperms: Functions in Photosynthesis, Signaling and Ontogenetic Regulation. *Journal of Plant Physiology*. 189: 51-64.

Wang Y., Yikai Z., Qiang Z., Yongtao C., Jing X., Huizhe C., Guohui H., Yanhua C., Xiaodan W., Defeng Z., and Yuping Z. 2019. Comparative Transcriptome Analysis of Panicle Development Under Heat Stress in Two Rice (*Oryza sativa* L.) Cultivars Differing in Heat Tolerance. *PeerJ*. 7.

Wang, J., Tao D., Liu Y., Han S., Zheng F., and Wu Z. 2018. *Comparison of Generally Recognized as Safe Organic Acids for Disinfecting Fresh-cut Lettuce*. China: bioRxiv.

Wang, S., Juan H., Baizhao R., Peng L., and Jiwang Z. 2022. Effects of Hydrogen Peroxide Priming on Yield, Photosynthetic Capacity and Chlorophyll Fluorescence of Waterlogged Summer Maize. *Frontiers in Plant Science*. 13: 1-15.

Wang, X., Colleen H., Alan C., Emma M., Graeme H., and David J. 2020. The Impacts of Flowering Time and Tillering on Grain Yield of Sorghum Hybrids across Diverse Environments. *Agronomy*. 10(1): 1-17.

Wiloso, E. I., Arief A. R. S., Hafiizh P., Muryanto, Adisa R. W., Subyakto, I. Made S., Reni l., Satya N., Dede H., Kai F., and Reinout H. 2020. Production of Sorghum Pellets for Electricity Generation in Indonesia: A Life Cycle Assessment. *Biofuel Research Journal*. 27: 1178-1194.

Wojtyla, L., Katarzyna L., Szymon K., and Malgorzata G.. 2016. Different Modes of Hydrogen Peroxide Action During Seed Germination. *Frontiers in Plant Science*. 7(66): 1-16.

Wolabu, W. T. and M. Tadege. 2016. Photoperiod Response and Floral Transition in Sorghum. *Plant Signaling & Behaviour*. 11(12): 1-4.

Wormit, A. and B. Usadel. 2018. The Multifaceted Role of Pectin Methylesterase Inhibitors (PMEIs). *International Journal of Molecular Sciences*. 19(10): 1-19.

Xiong, Jie, Yongjie Yang, Guanfu Fu, and Longxing Tao. 2015. Novel Roles of Hydrogen Peroxide (H_2O_2) in Regulating Pectin Synthesis and Demethylesterification in the Cell Wall of Rice (*Oryza sativa*) Root Tips. *New Phytologist*. 206: 118-126.

Xue, Z., Liya L., and Cui Z. 2020. Regulation of Shoot Apical Meristem and Axillary Meristem Development in Plants. *International Journal of Molecular Sciences*. 21(8): 1-15.

Yu Y, Cui L, Liu X, Wang Y, Song C, Pak U, Mayo KH, Sun L, and Zhou Y.. 2022. Determining Methyl-Esterification Patterns in Plant-Derived Homogalacturonan Pectins. *Frontiers*. 9: 1-15.

Yu, K.M.J., Joel O., Brian M., Brock W., Hilary T.F., Nathan E., Mark S.C., Stephen A.A., Amy M., and John M. 2022. Bioenergy Sorghum Stem Growth Regulation: Intercalary Meristem Localization, Development, and Gene Regulatory Network Analysis. *The Plant Journal*. 112: 476-492.

Zavyalov, A.V., Rykov, S.V., Lunina, N.A. Sushkova V. I., Yarotsky S. V., and Berezina O. V. 2019. Plant Polysaccharide Xyloglucan and Enzymes That Hydrolyze It (Review). *Russ J Bioorg Chem*. 45: 845–859.

Zhang, M., Li, B., Wan, Z., Chen, X., Liu, C., Liu, C., and Zhou, Y. 2022. Exogenous Spermidine Promotes Germination of Aged Sorghum Seeds by Mediating Sugar Metabolism. *Plants*. 11(21): 1-15.

Zhang, Z., Xiuxiu D., Shaoming W., and Xiaozhen P. 2020. Benefts of Organic Manure Combined With Biochar Amendments to Cotton Root Growth and Yield under Continuous Cropping Systems in Xinjiang, China. *Scientific Reports*. 10(4718): 1-10.

Zhou, N., Yujuan Y., Yafeng W., Minhuan Z., and Yu H. 2023. Integrated Transcriptome and Metabolome Analysis Unveils The Mechanism of Color-Transition in *Edgeworthia chrysantha* tepals. *BMC Plant Biology*. 23(567): 1-16.