

DAFTAR PUSTAKA

- Apriliani, I.N., 2022. Pengaruh kalium pada pertumbuhan dan hasil dua varietas tanaman ubi jalar (*Ipomea batatas* (L.) Lamb). Jurnal Ilmiah Mahasiswa Pertanian. 2(5): 264-270.
- Armecin, R., 2008. Nutrient composition of abaca (*Musa textilis* Nee.) at seedling, vegetative, and flagleaf stages of growth. Journal of Natural Fibers, 5(4): 331-346.
- Armecin, R.B. and Gabon, F.M., 2008. Biomass, organic carbon and mineral matter contents of abaca (*Musa textilis* Nee) at different stages of growth. industrial crops and products, 28(3): 340-345.
- Armecin, R.B., Cosico, W.C. and Badayos, R.B., 2011. Characterization of the different abaca-based agro-ecosystems in Leyte, Philippines. Journal of Natural Fibers, 8(2): 111-125.
- Armecin, R.B., Seco, M.H.P., Caintic, P.S. and Milleza, E.J.M. 2005. Effect of leguminous cover crops on the growth and yield of abaca (*Musa textilis* Nee). Industrial Crops and Products, 21(3): 317-323.
- Ashley, M.K., Grant, M. and Grabov, A. 2006. Plant responses to potassium deficiencies: a role for potassium transport proteins. Journal of experimental botany, 57(2): 425-436.
- Badanayak, P., Jose, S. and Bose, G., 2023. Banana batang semu fiber: A critical review on fiber extraction, characterization, and surface modification. Journal of Natural Fibers, 20(1): 2168821.
- Balitas. 2020. Abaka (*Musa Textilis* Nee). <http://balittas.litbang.pertanian.go.id/index.php/id/penelitian/serat-batang-dan-daun/113-ab>. Diakses pada 30 Januari 2023 pukul 22.00.
- Bande, M. M. 2004. Development of Sustainable Abaca (*Musa textiles* Nee) Production in a Diversified Multi-strata Agroecosystem in Leyte, the Philippines (Doctoral dissertation, MS Thesis, University of Hohenheim, Stuttgart, Germany).
- Bande, M. M. 2012. Ecophysiological and agronomic response of Abaca (*Musa textilis*) to different resource conditions in Leyte Island, Philippines .
- Bande, M. M., Grenz, J., Asio, V.B. and Sauerborn, J., 2013. Fiber yield and quality of abaca (*Musa textilis* var. Laylay) grown under different shade conditions, water and nutrient management. Industrial Crops and Products, 42: 70-77.
- Bande, M. M., J. Grenz , V. B. Asio, J. Sauerborn. 2012. Biomass production and nutrient absorption among abaca plant organs as influenced by different shade conditions, water and nutrient management. Disertasi. 1(4): 48-63.

- Baur, S., R.G. Klaiber, A. Koblo, and R. Carle. 2004. Effect of different washing procedures on phenolic metabolism of shredded, packaged iceberg lettuce during storage. *Jurnal of agricultural and food chemistry*. 52(23): 7017-7025
- Blatt, M.R., 2016. Plant physiology: redefining the enigma of metabolism in stomatal movement. *Current Biology*, 26(3): 107-109.
- Brouder, S., 2011. Potassium cycling. *Soil management: Building a stable base for agriculture*. 79-102.
- CABI. 2019. *Musa textilis* (manila hemp). CABI Compendium. CABI Publishing. Retrieved from <http://dx.doi.org/10.1079/cabicompendium.35128>.
- Cazaurang-Martinez, M.N., Herrera-Franco, P.J., Gonzalez-Chi, P.I. and Aguilar-Vega, M., 1991. Physical and mechanical properties of henequen fibers. *Journal of applied polymer science*, 43(4): 749-756.
- Chand, N., Sood, S., Singh, D.K. and Rohatgi, P.K., 1987. Structural and thermal studies on sisal fibre. *Journal of thermal analysis*, 32: 595-599.
- Cordeiro, N., Belgacem, M.N., Torres, I.C. and Moura, J.C.V.P., 2004. Chemical composition and pulping of banana pseudo-stems. *Industrial Crops and Products*, 19(2): 147-154.
- Cui, J. and Tcherkez, G., 2021. Potassium dependency of enzymes in plant primary metabolism. *Plant Physiology and Biochemistry*, 166: 522-530.
- DaimlerChrysler, 2004. Annual Report. DaimlerChrysler, Stuttgart, Germany. Available online at www.daimlerchrysler.com.
- Dhakal, S., Aryal, S., Khanal, P., Basnet, B. and Srivastava, A., 2021. Effect of KMnO₄ on shelf life and quality of banana (*Musa paradisiaca* L.). *Fundamental and Applied Agriculture*, 6(3): 225-231.
- Drew, M.C., Nye, P.H. and Vaidyanathan, L.V., 1969. The supply of nutrient ions by diffusion to plant roots in soil. *Plant and Soil*, 30(2): 252-270.
- Ennos, A.R., Spatz, H.C. and Speck, T., 2000. The functional morphology of the petioles of the banana, *Musa textilis*. *Journal of experimental botany*, 51(353): 2085-2093.
- Flexas, J., Bota, J., Escalona, J.M., Sampol, B. and Medrano, H., 2002. Effects of drought on photosynthesis in grapevines under field conditions: an evaluation of stomatal and mesophyll limitations. *Functional Plant Biology*, 29(4): 461-471.
- Food and Agriculture Organization. 2020. Abaka. <https://www.fao.org/economic/futurefibres/fibres/abaka0/en/>. Diakses tanggal 31 Januari 2023 pukul 16.38.
- Fu, Y.F., Zhang, Z.W., Yang, X.Y., Wang, C.Q., Lan, T., Tang, X.Y., Chen, G.D., Zeng, J. and Yuan, S., 2020. Nitrate reductase is a key enzyme responsible for nitrogen-

regulated auxin accumulation in *Arabidopsis* roots. *Biochemical and Biophysical Research Communications*, 532(4): 633-639.

- Gironès, J., Lopez, J.P., Vilaseca, F., Herrera-Franco, P.J. and Mutje, P., 2011. Biocomposites from *Musa textilis* and polypropylene: Evaluation of flexural properties and impact strength. *Composites science and technology*, 71(2): 122-128.
- Gowen, S. and Quénéhervé, P., 1990. Nematode parasites of bananas, plantains and abaca. *Plant parasitic nematodes in subtropical and tropical agriculture*. 13: 431-460.
- Gutierrez, D.A., Monge, G.G., Quesada, K.J., Aguilar, D.A. and Cordero, R.Q. 2023. Abaca: a general review on its characteristics, productivity, and market in the world. *Revista Facultad Nacional de Agronomía Medellín*, 76(1): 10263-10273.
- Habibie, S., Suhendra, N., Roseno, S., Setyawan, B.A., Anggaravidya, M., Rohman, S., Tasomara, R. and Muntarto, A., 2021. Serat Alam Sebagai Bahan Komposit Ramah Lingkungan, Suatu Kajian Pustaka. *Jurnal Inovasi dan Teknologi Material*, 2(2): 1-13.
- Hasanuzzaman, M., Bhuyan, M. B., Nahar, K., Hossain, M.S., Mahmud, J.A., Hossen, M.S., Masud, A.A.C., Moumita and Fujita, M., 2018. Potassium: A vital regulator of plant responses and tolerance to abiotic stresses. *Agronomy*, 8(3): 31.
- Hasanuzzaman, M., Bhuyan, M. H. M., Zulfiqar, F., Raza, A., Mohsin, S.M., Mahmud, J.A., Fujita, M., Fotopoulos, V., 2020. Reactive oxygen species and antioxidant defense in plants under abiotic stress: revisiting the crucial role of a universal defense regulator. *Antioxidants* 9 (8): 681.
- He, Y., Li, R., Lin, F., Xiong, Y., Wang, L., Wang, B., Guo, J. and Hu, C., 2019. Transcriptome changes induced by different potassium levels in banana roots. *Plants*, 9(1): 11.
- Hee Lee, S., Chae Chung, G., Ho Cho, B., Ock Guh, J. and Ryong Suh, S., 2002. Nutrient deprivation affects xylem sap flow and water channel function in tomato plants. *Journal of plant nutrition*, 25(7): 1407-1413.
- Hobir, A., dan Kadir, A. 1986. *Pedoman Bercocok Tanam Abaka (Musa textilis Nee)*. Direktorat Jendral Perkebunan dan Balai Penelitian Tanaman Rempah dan Obat. Bogor.
- Hu, W., Lu, Z., Meng, F., Li, X., Cong, R., Ren, T., Sharkey, T.D. and Lu, J., 2020. The reduction in leaf area precedes that in photosynthesis under potassium deficiency: the importance of leaf anatomy. *New Phytologist*, 227(6): 1749-1763.
- ITIS. 2022. *Musa textilis*. < https://www.itis.gov/servlet/SingleRpt/SingleRpt?search_topic=TSN&search_value=506500#null >. Diakses pada 1 Januari 2023.

- Jiang, C., Johkan, M., Hohjo, M., Tsukagoshi, S. and Maruo, T., 2017. A correlation analysis on chlorophyll content and SPAD value in tomato leaves. *HortResearch*, 71(71): 37-42.
- Job, A.L., Soratto, R.P., Fernandes, A.M., Assunção, N.S., Fernandes, F.M. and Yagi, R., 2019. Potassium fertilization for fresh market potato production in tropical soils. *Agronomy Journal*, 111(6): 3351-3362.
- Juairiah, L., 2014. Studi karakteristik stomata beberapa jenis tanaman revegetasi di lahan pascapenambangan timah di bangka. *Widyariset*, 17(2): 213-217.
- Khafiz, K., Suswati, S. and Indrawati, A., 2018. Peningkatan Pertumbuhan Bibit Pisang Barangan dengan Aplikasi Fungi Mikoriza Arbuskular. *Agrotekma: Jurnal Agroteknologi dan Ilmu Pertanian*, 2(2): 81-90.
- Khan, T., Hameed Sultan, M. T. Bin, & Ariffin, A. H. (2018). The challenges of natural fiber in manufacturing, material selection, and technology application: A review. *Journal of Reinforced Plastics and Composites*, 37(11): 770–779.
- Kılınç, A.Ç., Durmuşkahya, C. and Seydibeyoğlu, M.Ö., 2017. Woodhead Publishing. Natural fibers. In *Fiber technology for fiber-reinforced composites*. 209-235.
- Kumar, S., Kumar, S. and Mohapatra, T., 2021a. Interaction between macro-and micro-nutrients in plants. *Frontiers in Plant Science*, 12: 665583.
- Kumar, S., Prasad, L., Patel, V.K., Kumar, V., Kumar, A., Yadav, A. and Winczek, J., 2021b. Physical and mechanical properties of natural leaf fiber-reinforced epoxy polyester composites. *Polymers*, 13(9): 1369.
- Lacuna-Richman, C., 2002. The role of abaca (*Musa textilis*) in the household economy of a forest village. *Small-scale Forest Economics. Management and Policy*. 1: 93–101.
- Lahav, E., 1995. Banana nutrition. Springer Netherlands. 258-316.
- Lalusin, Antonio G., and Maria Lea H. Villavicencio. Abaca (*Musa textilis* Nee) breeding in the Philippines. *Industrial Crops*. Springer, New York, 2015. 12: 265-289.
- Lawson, T. and Blatt, M.R., 2014. Stomatal size, speed, and responsiveness impact on photosynthesis and water use efficiency. *Plant physiology*, 164(4): 1556-1570.
- Li, Z., Shah, A.R., Prabhakar, M. N. and Song, J.I., 2017. Effect of inorganic fillers and ammonium polyphosphate on the flammability, thermal stability, and mechanical properties of abaca-fabric/vinyl ester composites. *Fibers and Polymers*, 18(3): 555-562.
- Lokhande, S., and K. R. Reddy. 2015. Reproductive performance and fiber quality responses of cotton to potassium nutrition. *American Journal of Plant Sciences* 06 (07):911–24.

- Mahiwal, S. and Pandey, G.K., 2022. Potassium: A vital nutrient mediating stress tolerance in plants. *Journal of Plant Biochemistry and Biotechnology*. 1-15.
- Mamun, A.A., Heim, H.P., Faruk, O. and Bledzki, A.K., 2015. The use of banana and abaca fibres as reinforcements in composites. In *Biofiber reinforcements in composite materials*. 236-272.
- Mangmang, M. and Cozo, K., 2021. Growth Response of Abaca (*Musa textilis* Nee) in Abandoned Mine Soil Amended with Oil Palm Residues. *Southeastern Philippines Journal of Research and Development*, 26(2): 23-46.
- Marschner, H. ed., 2011. *Marschner's mineral nutrition of higher plants*. Academic press.
- Mia, M.B., Shamsuddin, Z.H., Wahab, Z. and Marziah, M., 2010. Rhizobacteria as bioenhancer and biofertilizer for growth and yield of banana (*Musa* spp. cv. 'Berangan'). *Scientia horticulturae*, 126(2): 80-87.
- Milford, G.F.J. and Johnston, A.E., 2009. Potassium and nitrogen interactions in crop production. *Nawozy i Nawożenie (Fertilisers and Fertilization)*, (34): 143-162.
- Moreno, L.O. and Gapasin, R.M., 2017. Participatory action research on comparison of growth performance of different abaca (*Musa textilis* Nee) planting materials for abaca industry rehabilitation. *Philippine Journal of Crop Science (Philippines)*. 42(1).
- Nieves-Cordones, M., Lara, A., Silva, M., Amo, J., Rodriguez-Sepulveda, P., Rivero, R.M., Martínez, V., Botella, M.A. and Rubio, F., 2020. Root high-affinity K⁺ and Cs⁺ uptake and plant fertility in tomato plants are dependent on the activity of the high-affinity K⁺ transporter SIHAK5. *Plant, Cell & Environment*, 43(7): 1707-1721.
- Nur, C., dan I.D. Djati. 2018. Studi daya serap warna serat tandan pisang dengan perbandingan serat abaka dan serat sabut kelapa. *Arena Tekstil* 33(1): 19-28
- Oosterhuis, D. M., D. A. Loka, and T. B. Raper. 2013. Physiological functions and management of cotton. *Journal of Plant Nutrition and Soil Science* 176 (3): 331-43
- Padam, B.S., Tin, H.S., Chye, F.Y. and Abdullah, M.I., 2014. Banana by-products: an under-utilized renewable food biomass with great potential. *Journal of food science and technology*, 51: 3527-3545.
- Pandey, G.K. and Mahiwal, S. 2020. Role of potassium in plants. 45-49.
- PCARRD, 1978. *The Philippine Recommends for Soil Fertility Management*. Philippine Council for Agriculture, Forestry and Natural Resources Research and Development, Los Ban~ os, Laguna, Philippines.
- Peng, S., Garcia, F.V., Laza, R.C. and Cassman, K.G., 1993. Adjustment for specific leaf weight improves chlorophyll meter's estimate of rice leaf nitrogen concentration. *Agronomy Journal*, 85(5): 987-990.

- Pereira, A.L.S., Nascimento, D.M., Men de Sá Filho, M.S., Cassales, A.R., Morais, J.P., Paula, R.C., Rosa, M.F. and Feitosa, J.P., 2014. Banana (*Musa* sp. cv. Pacovan) batang semu fibers are composed of varying lignocellulosic composition throughout the diameter. *BioResources*, 9(4): 7749-7763.
- Philippine Fiber Development Authority (PhilFIDA), 2016. Abaca Sustainability Manual. Philippine: Philippine Fiber. <https://philfida.da.gov.ph/index.php/archived-articles/19-philippine-abaca-helps-in-global-environment-conservation>. Diakses 6 Februari 2023 pukul 08.01.
- Prabowo, R.Y., Rahmadwati, dan P. Mudjirahardjo. 2018. Klasifikasi kandungan nitrogen berdasarkan warna daun melalui color clustering menggunakan metode fuzzy c means dan hybrid PSO K-means. *Jurnal EECCIS*. 12(1): 1-8.
- Putinella, J.A. 2011. Perbaikan sifat fisik tanah regosol dan pertumbuhan tanaman sawi (*Brassica Juncea* L.) akibat pemberian dan pupuk urea bokhasi ela sagu. *Jurnal Budidaya Pertanian*. 7(1): 35-40
- Putra, D.M., 2016. Kontribusi industri tekstil dalam penggunaan bahan berbahaya dan beracun terhadap rusaknya sungai Citarum. *Jurnal Hukum Lingkungan Indonesia*, 3(1): 133-152.
- Prajapati, K. and Modi, H.A., 2012. The importance of potassium in plant growth—a review. *Indian Journal of Plant Sciences*, 1(02-03): 177-186.
- Raddatz, N., Morales de los Ríos, L., Lindahl, M., Quintero, F.J. and Pardo, J.M., 2020. Coordinated transport of nitrate, potassium, and sodium. *Frontiers in Plant Science*, 11: 247.
- Richardson, L.G. and Torii, K.U., 2013. Take a deep breath: peptide signalling in stomatal patterning and differentiation. *Journal of experimental botany*, 64(17): 5243-5251.
- Risnasari, I. 2002. Sifat Fisik Tanah-tanah Utama di Daerah Tropis.
- Ródenas, R., Martínez, V., Nieves-Cordones, M. and Rubio, F., 2019. High external K⁺ concentrations impair Pi nutrition, induce the phosphate starvation response, and reduce arsenic toxicity in *Arabidopsis* plants. *International Journal of Molecular Sciences*, 20(9): 2237.
- Romel, B., Armecin, Wilfredo, C. Cosico and B.B. Rodrigo, 2011. Characterization of the Different Abaka Based Agro-Ecosystem in Leyte, Philippines. Taylor and Francis Group. *Journal of natural Fibers* (8): 111- 125.
- Salisbury, F.B. and Ross, C.W. 1992. *Plant Physiology*, Wadsworth Pub. Com., Inc., Belmont, California-USA.
- Sardans, J., Peñuelas, J., 2021. Potassium control of plant functions: ecological and agricultural implications. *Plants* 10 (2): 419.

- Sarikaya, E., Çallioğlu, H. and Demirel, H., 2019. Production of epoxy composites reinforced by different natural fibers and their mechanical properties. *Composites Part B: Engineering*, 167: 461-466.
- Sastrosupadi, A. 2000. Informasi Budidaya Abaka Untuk-Menunjang Pengembangan Agribisnis Abaka. Balai Pengkajian Teknologi Pertanian Palangka Raya.
- Señeris, G.T., Vedasto, E.P., Teodosio, M.M., Ragaas, M.L. and Teodosio, L.J., 2022. Morphological Characteristics of Abaka (*Musa textilis* Nee') Cultivars Grown in Two Municipalities of Aklan, Philippines. *Journal of Agricultural Research*, 10(2): 175-183.
- Setiawan, D., Karakterisasi serat abaka sebagai alternatif material penguat komposit ramah lingkungan. *Jurnal Industri Elektro dan Penerbangan*, 4(1).
- Setyo-Budi, U. and Heliyanto, B. 1998. Budi Daya Tanaman Abaka (*Musa textilis* Nee).
- Shah, D.U., 2013. Developing plant fibre composites for structural applications by optimising composite parameters: a critical review. *Journal of materials science*, 48(18): 6083-6107.
- Shahri, W., Tahir, I. and Ahad, B., 2014. Abaca fiber: A renewable bio-resource for industrial uses and other applications. *Biomass and Bioenergy: Processing and Properties*. 47-61.
- Shankar, P.S., Reddy, K.T., Sekhar, V.C. and Sekhar, V.C., 2013. Mechanical performance and analysis of banana fiber reinforced epoxy composites. *International journal of recent Trends in Mechanical Engineering*, 1(4): 1-10.
- Shaxson, F., & Barber, R. 2003. Optimizing soil moisture for plant production: The significance of soil porosity. Rome, Italy: UN-FAO.
- Sievert, E.P., 2009. The Story of Abaca: Manila hemp's transformation from textile to marine cordage and specialty paper.
- Singleton, J., 2013. World textile industry. Routledge.
- Sinha, A.K., Bhattacharya, S. and Narang, H.K. 2021. Abaca fibre reinforced polymer composites: a review. *Journal of Materials Science*. 56(7): 4569-4587.
- Sonke, N.G., Siahaan, P. and Ai, N.S., 2019. Kandungan klorofil total daun puring (*Codiaeum variegatum* L.) yang mengalami cekaman kekeringan. *Jurnal MIPA*, 8(2): 55-58.
- Suantara, D. dan Oktaviani, E., 2015. Pemanfaatan serat kelapa dan serat abaka sebagai bahan baku papan partikel. *Arena Tekstil*, 30(1): 37-45.
- Sulaeman, Suprpto, dan Eviati. 2005. Petunjuk Teknis – Analisis Kimia Tanah, Tanaman, Air, dan Pupuk. Balai Penelitian Tanah: Bogor

- Suparno, O., 2020. Potensi Dan Masa Depan Serat Alam Indonesia Sebagai Bahan Baku Aneka Industri. *Jurnal Teknologi Industri Pertanian*, 30(2): 221-227.
- Suprihatin, A., Eliza, Y., Ratmini, N.P.S., Raharjo, B., Purwanto, B.H. and Syukur, A., 2023, May. Efforts to increase asiaticoside content of *Centella asiatica* in Inceptisol Ngipiksari, Yogyakarta. In *IOP Conference Series: Earth and Environmental Science*. 1172(1): 1-10.
- Suryanarayana, P., Panda, C. and Mishra, S., 2018. Morphological and yield attributing parameters of macro-propagated cultivars of banana (*Musa* spp L.). *The Pharma Innovation Journal*, 7(8): 240-245.
- Susanti, D. and Safrina, D., 2018. Identifikasi luas daun spesifik dan indeks luas daun pegagan (*Centella asiatica* (L.) Urb.) di Karangpandan, Karanganyar, Jawa Tengah. *Jurnal Tumbuhan Obat Indonesia*, 11(1): 11-17.
- Sustr, M., Soukup, A. and Tylova, E. 2019. Potassium in root growth and development. *Plants*, 8(10): 435.
- Swennen, R. and Ortiz, R., 1997. Morphology and growth of plantain and banana. *International Institute of Tropical Agriculture (IITA)*. 66(32): 1-34.
- Tabora Jr, P.C., 1978. The abaca:(morphology, physiology, varieties, propagation, plantation, cultural and management practices, diseases, harvesting, and fiber extraction)
- Thamrin, M., S. Susanto, A.D. Susila, dan A. Sutandi. 2013. Hubungan konsentrasi hara nitrogen, fosfor, dan kalium daun dengan produksi buah sebelumnya pada tanaman jeruk pamelo. *J. Hort.* 23(3): 225-234
- Thomas, D.S. and Turner, D.W., 2001. Banana (*Musa* sp.) leaf gas exchange and chlorophyll fluorescence in response to soil drought, shading and lamina folding. *Scientia horticulturae*, 90(1-2): 93-108.
- Tränkner, M., Tavakol, E. and Jákli, B., 2018. Functioning of potassium and magnesium in photosynthesis, photosynthate translocation and photoprotection. *Physiologia plantarum*, 163(3). 414-431.
- Usodri, K.S. and Utoyo, B., 2021. Pengaruh Penggunaan KNO₃ pada Pertumbuhan Bibit Kelapa Sawit (*Elaeis guineensis* Jack) Fase Pre-Nursery. *Jurnal Agrinika: Jurnal Agroteknologi dan Agribisnis*, 5(1): 1-9.
- Valverde, J.C., Araya, M., Arias-Aguilar, D., Masís, C. and Muñoz, F., 2022. Evaluation of the Optimal Uses of Five Genotypes of *Musa textilis* Fiber Grown in the Tropical Region. *Polymers*, 14(9): 1772-1786.
- Vezina, A. Planting material. Improving the understanding of banana. Promusa, Online available from: <https://www.promusa.org/Planting+material>. Diakses pada 9 Februari 2023 pukul 12.09.

- Vijayalakshmi, K., Neeraja, C.Y., Kavitha, A. and Hayavadana, J., 2014. Abaca fibre. Transactions on Engineering and Sciences, 2(9): 16-19.
- Wahyudi, T. and Pujiyanto, M., 2015. Kakao: Sejarah, Botani, Proses Produksi, Pengolahan dan Perdagangan.
- Waller, V. and Wilsby, A., 2019. Abaca in the Philippines, an overview of a potential important resource for the country: Relating the tensile strength of the single fiber to the microfibrillar angle. KTH, Sweden.
- Wan Nadirah, W.O., Jawaid, M., Al Masri, A.A., Abdul Khalil, H.P.S., Suhaily, S.S. and Mohamed, A.R., 2012. Cell wall morphology, chemical and thermal analysis of cultivated pineapple leaf fibres for industrial applications. Journal of Polymers and the Environment, 20: 404-411.
- Wang, L., Zheng, P., Xing, Y., Li, W., Yang, J., Abbas, G., Liu, S., He, Z., Zhang, J., Zhang, H. and Lu, H., 2014. Effect of particle size on the performance of autotrophic nitrogen removal in the granular sludge bed reactor and microbiological mechanisms. Bioresource technology, 157: 240-246.
- Wang, Y. and Wu, W.H., 2017. Regulation of potassium transport and signaling in plants. Current opinion in plant biology, 39: 123-128.
- Wang, Y., Chen, Y. F. and Wu, W.H., 2021. Potassium and phosphorus transport and signaling in plants. Journal of Integrative Plant Biology, 63(1): 34-52.
- Waraich, E.A., Ahmad, R., Halim, A., Aziz, T. 2012. Alleviation of temperature stress by nutrient management in crop plants: a review. J. Soil Sci. Plant Nutr. 12: 221–244.
- Wawrzyńska, A. and Sirko, A., 2014. To control and to be controlled: understanding the Arabidopsis SLIM1 function in sulfur deficiency through comprehensive investigation of the EIL protein family. Frontiers in plant science, 5: 575.
- Wei, Y., Hu, W., Xia, F., Zeng, H., Li, X., Yan, Y., He, C. and Shi, H., 2016. Heat shock transcription factors in banana: genome-wide characterization and expression profile analysis during development and stress response. Scientific Reports. 6(1): 1-11.
- Yu, S.M., Lo, S.F. and Ho, T.H.D., 2015. Source–sink communication: regulated by hormone, nutrient, and stress cross-signaling. Trends in plant science, 20(12): 844-857.
- Zadeh, K.M., Inuwa, I.M., Arjmandi, R., Hassan, A., Almaadeed, M., Mohamad, Z. and Khanam, P.N. 2017. Effects of date palm leaf fiber on the thermal and tensile properties of recycled ternary polyolefin blend composites. Fibers and Polymers, 18: 1330-1335.

- Zhang, J., Liu, T., Cheng, X., Xia, M., Zheng, R., Peng, N., Yu, H., Shui, M. and Shu, J., 2019. Development status and future prospect of non-aqueous potassium ion batteries for large scale energy storage. *Nano Energy* 60: 340-361.
- Zheng, C., Yang, X., Liu, K. and Huang, Y., 2022. Effects of different potassium supply levels on potassium fertilizer of bananas under drip irrigation. *Applied Engineering in Agriculture*, 38(1): 155-163.
- Zheng, Y., Xu, M., Wang, J., Qiu, S. and Wang, H., 2015. Responses of the stomatal traits and gas exchange of maize leaves to climate warming. *Acta Agronomica Sinica*, 41(4): 601-612.
- Zhu, J., Yu, Q., Xu, C., Li, J. and Qin, G., 2018. Rapid estimation of stomatal density and stomatal area of plant leaves based on object-oriented classification and its ecological trade-off strategy analysis. *Forests*, 9(10): 616.
- Zörb, C., Senbayram, M. and Peiter, E., 2014. Potassium in agriculture—status and perspectives. *Journal of plant physiology*, 171(9): 656-669.