

References

- Abimbola A., N., & Olabisi A., B. (2020). Microbial, Nutrient Composition and Sensory Qualities of Cookies Fortified with Red Kidney Beans (*Phaseolus vulgaris* L.) and Moringa Seeds (*Moringa oleifera*). *International Journal of Microbiology and Biotechnology*, 5(3), 152. <https://doi.org/10.11648/j.ijmb.20200503.20>
- Abirami, & Kaur, J. (2023). Kidney beans (*Phaseolus vulgaris* L.) its nutrient profile, health benefits, value-added products and anti-nutritional properties. *The Pharma Innovation*, 12(7), 1524–1528. <https://doi.org/10.22271/tpi.2023.v12.i7r.21424>
- Abouelhamd, N., El, A., Amin, A. A., & Ahmed, E. Z. (2023). Impact of foliar spray with Se, nano-Se and sodium sulfate on growth, yield and metabolic activities of red kidney bean. *Scientific Reports*, 13(1). <https://doi.org/10.1038/s41598-023-43677-8>
- Amelia, L., Astuti, S., Fadhallah, E. G., & Koesoemawardani, D. (2024). The Effect of Tapioca Flour and Bogor Taro Flour (*Colocasia esculenta* L. Schott) Formulations on the Chemical, Physical, and Sensory Characteristics of Catfish Sausage (*Pangasius hypophtalmus*). *Biology, Medicine, & Natural Product Chemistry*, 13(2), 321–328. <https://doi.org/10.14421/biomedich.2024.132.321-328>
- Añazco, C., Ojeda, P. G., & Guerrero-Wyss, M. (2023). Common Beans as a Source of Amino Acids and Cofactors for Collagen Biosynthesis. *Nutrients*, 15(21), 4561. <https://doi.org/10.3390/nu15214561>
- Andersen, B. V., Brockhoff, P. B., & Hyldig, G. (2019). The importance of liking of appearance, -odour, -taste and -texture in the evaluation of overall liking. A comparison with the evaluation of sensory satisfaction. *Food Quality and Preference*, 71, 228–232. <https://doi.org/10.1016/j.foodqual.2018.07.005>

- Anggraini, D. I., & Mirantana, L. P. (2022). DETERMINATION OF ANTHOCYANIN LEVEL IN KIDNEY BEAN (Phaseolus vulgaris L.) TEMPEH AS A HEPATOPROTECTIVE AGENT. *Jurnal Farmasi Sains Dan Praktis*, 294–301. <https://doi.org/10.31603/pharmacy.v8i3.3702>
- Audu, S. S., & Aremu, M. O. (2011). Effect of Processing on Chemical Composition of Red Kidney Bean (Phaseolus vulgaris L.) Flour. *Pakistan Journal of Nutrition*, 10(11), 1069–1075. <https://doi.org/10.3923/pjn.2011.1069.1075>
- Awuchi, C. G., Igwe, V. S., & Echeta, C. K. (2019). The functional properties of foods and flours. *International Journal of Advanced Academic Research*, 5(11), 139-160. <https://www.academia.edu/download/61281991/ijaar-ste-v5n11-nov19-p1620191120-120155-x5po6j.pdf>
- Azra, B. H., Vidhya, C. S., Abhinandana, K. R., Rout, S., & Kalaimani, P. S. (2023). Essential Antinutrients in Plant-Based Proteins and Exploring Their Nutritional Implications. *Journal of Plant Biota*. <https://doi.org/10.51470/JPB.2023.02.02.05>
- Bai-Ngew, S., Therdthai, N., Dhamvithee, P., & Zhou, W. (2014). Effect of microwave vacuum drying and hot air drying on the physicochemical properties of durian flour. *International Journal of Food Science & Technology*, 50(2), 305–312. <https://doi.org/10.1111/ijfs.12651>
- Baranwal, D., & Sankhla, A. (2019). Physical and functional properties of malted composite flour for biscuit production. *Journal of Pharmacognosy and Phytochemistry*, 8(2), 959–965. <https://www.academia.edu/download/80733948/8-2-36-286.pdf>
- Batariuc, A., Ungureanu-luga, M., & Mironeasa, S. (2021). Effects of Dry Heat Treatment and Milling on Sorghum Chemical Composition, Functional and Molecular Characteristics. *Applied Sciences*, 11(24), 11881–11881. <https://doi.org/10.3390/app112411881>
- Bayata, A. (2019). Review on Nutritional Value of Cassava for Use as a Staple Food. *Science Journal of Analytical Chemistry*, 7(4), 83. <https://doi.org/10.11648/j.sjac.20190704.12>

- Bernard, C., Nyobe, C. E., Ngui, S. P., Minka, S. R., & Alain, M. (2022). Effect of heat treatment on the structure, functional properties and composition of *Moringa oleifera* seed proteins. *Food Chemistry*, 384, 132546–132546. <https://doi.org/10.1016/j.foodchem.2022.132546>
- Bhinder, S., Kaur, A., Singh, B., Yadav, M. P., & Singh, N. (2020). Proximate composition, amino acid profile, pasting and process characteristics of flour from different Tartary buckwheat varieties. *Food Research International*, 130, 108946. <https://doi.org/10.1016/j.foodres.2019.108946>
- BPOM. (2022). PERATURAN BADAN PENGAWAS OBAT DAN MAKANAN NOMOR 1 TAHUN 2022 TENTANG PENGAWASAN KLAIM PADA LABEL DAN IKLAN PANGAN OLAHAN. https://standarpangan.pom.go.id/dokumen/peraturan/202x/PerBPOM_No_1_Tahun_2022_tentang_Pengawasan_Klaim_Pada_Label_dan_Iklan_Pangan_Olahan.pdf
- Čad, E. M., Tang, C. S., Mars, M., Appleton, K. M., & de Graaf, K. (2023). How sweet is too sweet? Measuring sweet taste preferences and liking in familiar and unfamiliar foods amongst Dutch consumers. *Food Quality and Preference*, 111, 104989. <https://doi.org/10.1016/j.foodqual.2023.104989>
- Carboni, A. D., Martins, G. N., Castilho, P. C., Puppo, M. C., & Ferrero, C. (2024). Influence of Thermal Treatment and Granulometry on Physicochemical, Techno-Functional and Nutritional Properties of Lentil Flours. *Foods*, 13(17), 2744. <https://doi.org/10.3390/foods13172744>
- Chandra, M. V., & Shamasundar, B. A. (2014). Texture Profile Analysis and Functional Properties of Gelatin from the Skin of Three Species of Fresh Water Fish. *International Journal of Food Properties*, 18(3), 572–584. <https://doi.org/10.1080/10942912.2013.845787>
- Chisowa, D. M. (2022). Comparative evaluation of the effect of boiling and autoclaving of legume grains on tannin concentration. *Magna Scientia Advanced Biology and Pharmacy*, 7(1), 009-017. <https://doi.org/10.30574/msabp.2022.7.1.0080>
- Choe, U., Osorno, J. M., Ohm, J.-B., Chen, B., & Rao, J. (2022). Modification of physicochemical, functional properties, and digestibility of macronutrients in common bean (*Phaseolus*

- vulgaris L.) flours by different thermally treated whole seeds. *Food Chemistry*, 382, 132570.
<https://doi.org/10.1016/j.foodchem.2022.132570>
- Chompoorat, P., Rayas-Duarte, P., Hernández-Estrada, Z. J., Phetcharat, C., & Khamsee, Y. (2018). Effect of heat treatment on rheological properties of red kidney bean gluten free cake batter and its relationship with cupcake quality. *Journal of Food Science and Technology*, 55(12), 4937–4944. <https://doi.org/10.1007/s13197-018-3428-z>
- Dang, B., Zhang, W.-G., Zhang, J., Yang, X.-J., & Xu, H.-D. (2022). Effect of Thermal Treatment on the Internal Structure, Physicochemical Properties and Storage Stability of Whole Grain Highland Barley Flour. *Foods*, 11(14), 2021. <https://doi.org/10.3390/foods11142021>
- Dankwa, R., Aisala, H., Kayitesi, E., & de Kock, H. L. (2021). The Sensory Profiles of Flatbreads Made from Sorghum, Cassava, and Cowpea Flour Used as Wheat Flour Alternatives. *Foods*, 10(12), 3095. <https://doi.org/10.3390/foods10123095>
- Drulyte, D., & Orlie, V. (2019). The Effect of Processing on Digestion of Legume Proteins. *Foods*, 8(6), 224. <https://doi.org/10.3390/foods8060224>
- Esbroeck, T. van, Sala, G., Stieger, M., & Scholten, E. (2024). Effect of structural characteristics on functional properties of textured vegetable proteins. *Food Hydrocolloids*, 149, 109529–109529. <https://doi.org/10.1016/j.foodhyd.2023.109529>
- Febrianto, N. A., Sa'diyah, K., & Tejasari, T. (2016). Red Kidney Bean Powder Substituted Milk in Cinnamon Herbal Coffee: Consumer Perception, Sensory Properties and Nutrition Content. *Pelita Perkebunan (a Coffee and Cocoa Research Journal)*, 32(2), 109–119. <https://doi.org/10.22302/iccri.jur.pelitaperkebunan.v32i2.223>
- García-Díaz, Y. D., Aquino-Bolaños, E. N., Chávez-Servia, J. L., Vera-Guzmán, A. M., & Carrillo-Rodríguez, J. C. (2018). Bioactive compounds and antioxidant activity in the common bean are influenced by cropping season and genotype. *Chilean Journal of Agricultural Research*, 78(2), 255–265. <https://doi.org/10.4067/s0718-58392018000200255>

- Gbenga-Fabusiwa, F. J., Oladele, E. P., Oboh, G., Adefegha, S. A., & Oshodi, A. A. (2018). Nutritional properties, sensory qualities and glycemic response of biscuits produced from pigeon pea-wheat composite flour. *Journal of Food Biochemistry*, 42(4), e12505. <https://doi.org/10.1111/jfbc.12505>
- Gómez, M., & Martínez, M. M. (2016). Changing flour functionality through physical treatments for the production of gluten-free baking goods. *Journal of Cereal Science*, 67, 68–74. <https://doi.org/10.1016/j.jcs.2015.07.009>
- Gravel, A., & Doyen, A. (2020). The use of edible insect proteins in food: Challenges and issues related to their functional properties. *Innovative Food Science & Emerging Technologies*, 59, 102272. <https://doi.org/10.1016/j.ifset.2019.102272>
- Gupta, S., Chhabra, G. S., Liu, C., Bakshi, J. S., & Sathe, S. K. (2018). Functional Properties of Select Dry Bean Seeds and Flours. *Journal of Food Science*, 83(8), 2052–2061. <https://doi.org/10.1111/1750-3841.14213>
- How, Y.K., & Siow, L.F. (2020). Effects of convection-, vacuum-and freeze-drying on antioxidant, physicochemical properties, functional properties and storage stability of stink bean (*Parkia speciosa*) powder. *Journal of Food Science and Technology*, 57(12), 4637–4648. <https://doi.org/10.1007/s13197-020-04501-7>
- Husni, A., & Budhiyanti, S. A. (2022). Effect of Isolation Method on Characteristics of Microcrystalline Cellulose from Brown Seaweed *Sargassum vulgare*. *Indonesian Journal of Pharmacy*, 42–51. <https://doi.org/10.22146/ijp.3274>
- Inyang, U., Oboh, I., & Etuk, B. (2017). Drying and the different techniques. *International Journal of Food Nutrition and Safety*, 8(1), 45-72. <https://www.researchgate.net/publication/356187901>
- Jamali, P. V., V. Eyarkai Nambi, & M. Loganathan. (2024). Milling. *Elsevier EBooks*, 175–214. <https://doi.org/10.1016/b978-0-443-18965-4.00007-8>
- Jiang, Z., Pulkkinen, M., Wang, Y., Lampi, A.-M., Stoddard, F. L., Salovaara, H., Piironen, V., & Sontag-Strohm, T. (2016). Faba bean flavour and technological property improvement by

- thermal pre-treatments. *LWT - Food Science and Technology*, 68, 295–305.
<https://doi.org/10.1016/j.lwt.2015.12.015>
- Juliana, Pramono, R., Yudistira, I. G. A., Josephine, G. K., & Wijaya, J. S. (2022). Experimental Design Sensory Quality Boba Developed From Pumpkin. *International Journal of Applied Business and International Management*, 7(1). <https://doi.org/10.32535/ijabim.v7i1.1439>
- Kalyankar, S. D., Deshmukh, M. A., Chopde, S. S., Khedkar, C. D., Lule, V. K., & Deosarkar, S. S. (2016). Milk Powder. *Encyclopedia of Food and Health*, 724–728.
<https://doi.org/10.1016/b978-0-12-384947-2.00465-7>
- Kamei, M., Nishibe, M., Araki, R., Kohyama, K., & Kusakabe, Y. (2024). Effect of texture preference on food texture perception: Exploring the role of matching food texture and preference. *Appetite*, 192, 107078–107078. <https://doi.org/10.1016/j.appet.2023.107078>
- Kan, L., Nie, S., Hu, J., Wang, S., Cui, S. W., Li, Y., Xu, S., Wu, Y., Wang, J., Bai, Z., & Xie, M. (2017). Nutrients, phytochemicals and antioxidant activities of 26 kidney bean cultivars. *Food and Chemical Toxicology*, 108, 467–477. <https://doi.org/10.1016/j.fct.2016.09.007>
- Kaur, B., Quek, R. Y. C., Ng, G. C. F., Ponnalagu, S., & Henry, C. J. (2022). Comparison of boba pearls made from tapioca starch and other unconventional flours and starches: Their glycaemic response (GR). *Malaysian Journal of Nutrition*, 28(3).
<https://doi.org/10.31246/mjn-2021-0091>
- Kenar, J. A., Felker, F. C., Singh, M., Byars, J. A., Berhow, M. A., Bowman, M. J., & Winkler-Moser, J. K. (2020). Comparison of composition and physical properties of soluble and insoluble navy bean flour components after jet-cooking, soaking, and cooking. *LWT*, 130, 109765.
<https://doi.org/10.1016/j.lwt.2020.109765>
- Kilua, A., Chihiro, H., Han, K.-H., Homma, K., Fukuma, N., Kamitani, T., Suzuki, T., & Fukushima, M. (2020). Whole kidney bean (*Phaseolus vulgaris*) and bean hull reduce the total serum cholesterol, modulate the gut microbiota and affect the caecal fermentation in rats. *Bioactive Carbohydrates and Dietary Fibre*, 24, 100232. <https://doi.org/10.1016/j.bcdf.2020.100232>

- Li, S., Zhang, L., Sheng, Q., Li, P., Zhao, W., Zhang, A., & Liu, J. (2024). The effect of heat moisture treatment times on physicochemical and digestibility properties of adzuki bean, pea, and white kidney bean flours and starches. *Food Chemistry*, 440, 138228. <https://doi.org/10.1016/j.foodchem.2023.138228>
- Lima, R. R., Stephani, R., Perrone, Í. T., & Fernandes, A. (2023). Plant-based proteins: A review of factors modifying the protein structure and affecting emulsifying properties. *Food Chemistry Advances*, 3, 100397–100397. <https://doi.org/10.1016/j.focha.2023.100397>
- Liyana, N., Nor-Khaizura, & Ismail-Fitry. (2018). Effect of substituting tapioca starch with various high protein legume flours on the physicochemical and sensory properties of keropok lekor (Malaysian fish sausage). *Food Research*, 3(1), 40–48. [https://doi.org/10.26656/fr.2017.3\(1\).217](https://doi.org/10.26656/fr.2017.3(1).217)
- Locali-Pereira, A. R., Tiaki, M., Fuzetti, C. G., & Nicoletti, V. R. (2022). Functional Properties of Physically Pretreated Kidney Bean and Mung Bean Flours and Their Performance in Microencapsulation of a Carotenoid-Rich Oil. *Frontiers in Sustainable Food Systems*, 6. <https://doi.org/10.3389/fsufs.2022.845566>
- Mahalaxmi, S., Himashree, P., Malini, B., & Sunil, C. K. (2022). Effect of microwave treatment on the structural and functional properties of proteins in lentil flour. *Food Chemistry Advances*, 1, 100147. <https://doi.org/10.1016/j.focha.2022.100147>
- Mayhew, E. J., Schmidt, S. J., Schlich, P., & Lee, S. Y. (2018). Correlation of consumer perception of stickiness and contributing texture attributes to trained panelist temporal evaluations in a caramel system. *Food Quality and Preference*, 65, 72-80. <https://doi.org/10.1016/j.foodqual.2017.11.009>
- Menon, A., Stojceska, V., & Tassou, S. A. (2020). A systematic review on the recent advances of the energy efficiency improvements in non-conventional food drying technologies. *Trends in Food Science & Technology*, 100, 67–76. <https://doi.org/10.1016/j.tifs.2020.03.014>

- Mesías, M., & Morales, F. (2017). Effect of Different Flours on the Formation of Hydroxymethylfurfural, Furfural, and Dicarbonyl Compounds in Heated Glucose/Flour Systems. *Foods*, 6(2), 14. <https://doi.org/10.3390/foods6020014>
- Milkias, M., Admassu, S., & Abebe, W. (2024). Impact of Variety and Drying Methods on the Physicochemical, Functional, and thermal properties of Ethiopian potato (*Plectranthus edulis*) tuber flour. *Heliyon*, e37628–e37628. <https://doi.org/10.1016/j.heliyon.2024.e37628>
- Mishra, P. K., Tripathi, J., Gupta, S., & Variyar, P. S. (2017). Effect of cooking on aroma profile of red kidney beans (*Phaseolus vulgaris*) and correlation with sensory quality. *Food Chemistry*, 215, 401–409. <https://doi.org/10.1016/j.foodchem.2016.07.149>
- Mishra, P. K., Tripathi, J., Gupta, S., & Variyar, P. S. (2019). GC-MS olfactometric characterization of odor active compounds in cooked red kidney beans (*Phaseolus vulgaris*). *Heliyon*, 5(9), e02459. <https://doi.org/10.1016/j.heliyon.2019.e02459>
- Mishra, P., Pandey, C. M., Singh, U., Sahu, C., Keshri, A., & Gupta, A. (2019). Descriptive Statistics and Normality Tests for Statistical Data. *Annals of Cardiac Anaesthesia*, 22(1), 67–72. https://doi.org/10.4103/aca.ACA_157_18
- Mk, M. M. B., Ray, A., & Sakhare, S. D. (2025). Unveiling a New Protein Concentrate Derived from Quinoa Germ: Exploring a Plant-Based Alternative Protein. *Journal of Cereal Science*, 104154–104154. <https://doi.org/10.1016/j.jcs.2025.104154>
- Modgil, R., & Singh, R. (2013). Physical characteristics and proximate composition of different cultivars of kidney beans grown in Himachal Pradesh. *International Journal of Agriculture Innovations and Research*, 2(2), 213–216. https://www.ijair.org/administrator/components/com_jresearch/files/publications/IJAIR_257_Final.pdf
- Mukwevho, P., & Emmambux, M. N. (2022). Effect of infrared and microwave treatments alone and in combination on the functional properties of resulting flours from bambara groundnut seeds.

- Lebensmittel-Wissenschaft + Technologie/Food Science & Technology*, 153, 112448–112448.
<https://doi.org/10.1016/j.lwt.2021.112448>
- Navneet, N., Martinez, M. M., & Joye, I. J. (2024). Heat-treated bean flour: Exploring techno-functionality via starch-protein structure-function analysis. *Food Hydrocolloids*, 157, 110416–110416. <https://doi.org/10.1016/j.foodhyd.2024.110416>
- Nciri, N., Cho, N., Bergaoui, N., El Mhamdi, F., Ben Ammar, A., Trabelsi, N., Zekri, S., Guémira, F., Ben Mansour, A., Sassi, F. H., & Ben Aissa-Fennira, F. (2015). Effect of White Kidney Beans (*Phaseolus vulgaris* L. var. Beldia) on Small Intestine Morphology and Function in Wistar Rats. *Journal of Medicinal Food*, 18(12), 1387–1399. <https://doi.org/10.1089/jmf.2014.0193>
- Novelina, N., Wati, L., Hari, P. D., & A'yun, Q. (2023). The Effect of the Addition of Red Kidney Bean Skin Powder (*Phaseolus vulgaris* L.) on the Physical, Chemical, and Organoleptic Characteristics of Red Kidney Bean Tempeh. *AJARCDE (Asian Journal of Applied Research for Community Development and Empowerment)*, 7(3), 143-149. <https://www.ajarcde-safe-network.org/index.php/index.php/ajarcde/article/download/348/256>
- Olaniyan, E. T., O'Halloran, F., & McCarthy, A. L. (2020). Dietary Protein Considerations for Muscle Protein Synthesis and Muscle Mass Preservation in Older Adults. *Nutrition Research Reviews*, 34(1), 1–26. <https://doi.org/10.1017/s0954422420000219>
- Ozguven, A., & Ozcelik, Y. (2014). Effects of high temperature on physico-mechanical properties of Turkish natural building stones. *Engineering Geology*, 183, 127–136. <https://doi.org/10.1016/j.enggeo.2014.10.006>
- Pangastuti, H. A., Affandi, D. R., & Ishartani, D. (2013). Karakterisasi sifat fisik dan kimia tepung kacang merah (*Phaseolus vulgaris* L.) dengan beberapa perlakuan pendahuluan. *Jurnal Teknosains Pangan*, 2(1). <https://jurnal.uns.ac.id/teknosains-pangan/article/view/4204>

- Pathak, N., & Kulshrestha, K. (2017). Comparison of physico-chemical qualities of the small and large red kidney beans (*Phaseolus vulgaris* L.) flour. *Journal of Food Legumes*, 30(3), 221-225. <https://pub.isprd.in/index.php/jfl/article/download/487/321>
- Prathyusha, A., & Devi, N. G. (2024). Physicochemical and functional properties of tapioca (*Manihont esculenta*) flour. *Journal of Krishi Vigyan*, 12(1), 132-137. <https://doi.org/10.5958/2349-4433.2024.00024.2>
- Punia, S., Dhull, S. B., Sandhu, K. S., Kaur, M., & Purewal, S. S. (2020). Kidney bean (*Phaseolus vulgaris*) starch: A review. *Legume Science*, 2(3). <https://doi.org/10.1002/leg3.52>
- Rahman, A., Nassef, A. M., Rezk, H., El, M., & Hoque, E. (2020). Experimental investigations and modeling of vacuum oven process using several semi-empirical models and a fuzzy model of cocoa beans. *Heat and Mass Transfer*, 57(2), 175-188. <https://doi.org/10.1007/s00231-020-02943-5>
- Ratnawati, L., Desnilasari, D., Surahman, D. N., & Kumalasari, R. (2019). Evaluation of Physicochemical, Functional and Pasting Properties of Soybean, Mung Bean and Red Kidney Bean Flour as Ingredient in Biscuit. *IOP Conference Series: Earth and Environmental Science*, 251, 012026. <https://doi.org/10.1088/1755-1315/251/1/012026>
- Ridawati, N., & Alsuheindra, N. (2024). Effects of heat-moisture treatment duration and bean condition on the physicochemical properties of red bean (*Phaseolus vulgaris* L) starch. *IOP Conference Series Earth and Environmental Science*, 1338(1), 012027-012027. <https://doi.org/10.1088/1755-1315/1338/1/012027>
- Rosenthal, A. J., & Thompson, P. (2021). What is cohesiveness?—A linguistic exploration of the food texture testing literature. *Journal of Texture Studies*, 52(3), 294-302. <https://doi.org/10.1111/jtxs.12586>
- Roy, M., Imran, M. Z. H., Alam, M., & Rahman, M. (2021). Effect of boiling and roasting on physicochemical and antioxidant properties of dark red kidney bean (*Phaseolus vulgaris*). *Food Research*, 5(3), 438-445. [https://doi.org/10.26656/fr.2017.5\(3\).673](https://doi.org/10.26656/fr.2017.5(3).673)

- Rusdianto, A. S., Purnamasari, D. A., & Herlina. (2024). Characterization of Bubble Pearls from a Mixture of Tapioca and Glucomannan. *International Journal on Food Agriculture and Natural Resources*, 5(2), 44–53. <https://doi.org/10.46676/ij-fanres.v5i2.328>
- Sattar, M. A., Rohi, M., Tehseen, S., & Lalarukh, I. (2024). COMPARATIVE STUDY OF PHYSICOCHEMICAL AND NUTRITIONAL CHARACTERISTICS OF RAW AND SPROUTED LEGUME BEANS FLOUR. *Journal of Population Therapeutics & Clinical Pharmacology*, Vol. 31(No. 08). <https://doi.org/10.53555/ne5xjs46>
- Scaria, S. S., Balasubramanian, B., Meyyazhagan, A., Gangwar, J., Jaison, J. P., Kurian, J. T., Pushparaj, K., Pappuswamy, M., Park, S., & Joseph, K. S. (2024). Cassava (*Manihot esculenta* Crantz)—A potential source of phytochemicals, food, and nutrition—An updated review. *EFood*, 5(1). <https://doi.org/10.1002/efd2.127>
- Seelig, J., & Seelig, A. (2024). Pressure protein denaturation compared to thermal and chemical unfolding - Analyses with cooperative models. *BioRxiv (Cold Spring Harbor Laboratory)*. <https://doi.org/10.1101/2024.08.14.608019>
- Shabir, F., & Khan, S. (2024). Nutritional and Health Promoting Attribute of Kidney Beans (*Phaseolus vulgaris* L.): A Review. *International Journal of Agricultural and Applied Sciences*, 5(1), 11–16. <https://doi.org/10.52804/ijaas2024.513>
- Shahnaz, T., Fawole, A. O., Adeyanju, A. A., & Onuh, J. O. (2024). Food Proteins as Functional Ingredients in the Management of Chronic Diseases: A Concise Review. *Nutrients*, 16(14), 2323. <https://doi.org/10.3390/nu16142323>
- Sheikh, M. A., Ubaid, M., Ahmed, N., & Gul, M. K. (2025). Effects of controlled microwave heat treatment on the compositional attributes, antioxidant potential, and anti-nutritional components of apricot kernel flour. *Journal of Food Measurement and Characterization*, 1-15. <https://doi.org/10.1007/s11694-024-03079-4>
- Shi, Y., Mandal, R., Singh, A., & Pratap Singh, A. (2020). Legume lipoxygenase: Strategies for application in food industry. *Legume Science*. 2(3), e44. <https://doi.org/10.1002/leg3.44>

- Sonnak, T., Chuenprapai, R., Sangteerakij, D., & Chalermchaiwat, P. (2023). ผล ของ แซ่ น แทน กั ม และ กั ว ร้ กั ม ต่อ คุณภาพ ของ เม็ด ไข่หมก จาก การ ไข่ แป้ง ข้าวกล้อง งอก และ แป้ง ข้าวเหนียวดำ งอก ทดแทน แป้งมัน สำปะหลัง. *RMUTP Research Journal Sciences and Technology*, 17(1), 14-26. <https://ph02.tci-thaijo.org/index.php/RMUTP/article/view/244201>
- Suhag, R., Kellil, A., & Razem, M. (2024). Factors Influencing Food Powder Flowability. *Powders*, 3(1), 65–76. <https://doi.org/10.3390/powders3010006>
- Tang, J., Cui, L., Zhang, S., Wang, L., Hou, D., & Zhou, S. (2023). A novel plant-based milk alternative made from red kidney bean (*Phaseolus vulgaris* L.): Effects of cultivars on its stability and sensory properties. *Food Bioscience*, 56, 103362–103362. <https://doi.org/10.1016/j.fbio.2023.103362>
- Tontul, I., & Topuz, A. (2017). Spray-drying of fruit and vegetable juices: Effect of drying conditions on the product yield and physical properties. *Trends in Food Science & Technology*, 63, 91–102. <https://doi.org/10.1016/j.tifs.2017.03.009>
- USDA. (2018). Beans, pinto, mature seeds, sprouted, raw. <https://fdc.nal.usda.gov/food-details/170086/nutrients>
- USDA. (2018). Chickpeas (garbanzo beans, bengal gram), mature seeds, raw. <https://fdc.nal.usda.gov/food-details/173756/nutrients>
- USDA. (2019). Beans, kidney, all types, mature seeds, raw. <https://fdc.nal.usda.gov/food-details/175193/nutrients>
- USDA. (2021). Pulses - Kidney Beans and Dried Peas. https://apps.fas.usda.gov/newgainapi/api/Report/DownloadReportByFileName?fileName=Pulses%20-%20Kidney%20Beans%20and%20Dried%20Peas_Beijing_China%20-%20People%27s%20Republic%20of_09-23-2021.pdf
- Wang, X., McClements, D. J., Xu, Z., Meng, M., Qiu, C., Long, J., Jin, Z., & Chen, L. (2023). Recent advances in the optimization of the sensory attributes of fried foods: Appearance, flavor, and

- texture. *Trends in Food Science & Technology*, 138, 297–309.
<https://doi.org/10.1016/j.tifs.2023.06.012>
- Wang, R., & Hartel, R. W. (2021). Understanding stickiness in sugar-rich food systems: A review of mechanisms, analyses, and solutions of adhesion. *Comprehensive Reviews in Food Science and Food Safety*, 20(6), 5901–5937. <https://doi.org/10.1111/1541-4337.12833>
- Wani, I. A., Andrabi, S. N., Sogi, D. S., & Hassan, I. (2019). Comparative study of physicochemical and functional properties of flours from kidney bean (*Phaseolus vulgaris* L.) and green gram (*Vigna radiata* L.) cultivars grown in Indian temperate climate. *Legume Science*, 2(1).
<https://doi.org/10.1002/leg3.11>
- Warechowska, M., Markowska, A., Warechowski, J., Miś, A., & Nawrocka, A. (2016). Effect of tempering moisture of wheat on grinding energy, middlings and flour size distribution, and gluten and dough mixing properties. *Journal of Cereal Science*, 69, 306–312.
<https://doi.org/10.1016/j.jcs.2016.04.007>
- Weiler, M., Hertzler, S. R., & Dvoretzkiy, S. (2023). Is It Time to Reconsider the U.S. Recommendations for Dietary Protein and Amino Acid Intake? *Nutrients*, 15(4), 838.
<https://doi.org/10.3390/nu15040838>
- Xu, S., Qin, L., Mazhar, M., & Zhu, Y. (2022). Functional components profile and glycemic index of kidney beans. *Frontiers in Nutrition*, 9, 1044427. <https://doi.org/10.3389/fnut.2022.104442>
- Yang, D., Wu, G., Li, P., Qi, X., Zhang, H., Wang, X., & Jin, Q. (2020). Effect of microwave heating and vacuum oven drying of potato strips on oil uptake during deep-fat frying. *Food Research International*, 137, 109338. <https://doi.org/10.1016/j.foodres.2020.109338>
- Yusof, A. S. M., Dom, Z. M., & Shamsudin, R. (2020). Utilization of Sweet Potato in Development of Boba. *Advances in Agricultural and Food Research Journal*, 1(2).
<https://doi.org/10.36877/aafjr.a0000149>
- Zhang, Y., Li, R., Shang, G., Zhu, H., Mahmood, N., & Liu, Y. (2021). Mechanical grinding alters physicochemical, structural, and functional properties of tobacco (*Nicotiana tabacum* L.) leaf

powders. *Industrial Crops and Products*, 173, 114149.

<https://doi.org/10.1016/j.indcrop.2021.114149>