

References

- Anumudu, C. K., Miri, T., & Onyeaka, H. (2024). Multifunctional applications of lactic acid bacteria: Enhancing safety, quality, and nutritional value in foods and fermented beverages. *Foods*, 13(23), 3714. <https://doi.org/10.3390/foods13233714>
- Behera, S. S., Ray, R. C., & Zdolec, N. (2018). *Lactobacillus plantarum* with functional properties: An approach to increase safety and shelf life of fermented foods. *BioMed Research International*, 2018, 9361614. <https://doi.org/10.1155/2018/9361614>
- Bohn, T., Carrière, F., Day, L., Deglaire, A., Egger, L., Freitas, D., Golding, M., Le Feunteun, S., Macierzanka, A., Menard, O., Recio, I., Santos, C. N., Singh, R. P., Vegarud, G. E., Wickham, M. S. J., & Dupont, D. (2018). Correlation between *in vitro* and *in vivo* data on food digestion: What can we predict with static *in vitro* digestion models? *Critical Reviews in Food Science and Nutrition*, 58(13), 2239–2261. <https://doi.org/10.1080/10408398.2017.1315362>
- Braissant, O., Astasov-Frauenhoffer, M., Waltimo, T., & Bonkat, G. (2020). A review of methods to determine viability, vitality, and metabolic rates in microbiology. *Frontiers in Microbiology*, 11, 547458. <https://doi.org/10.3389/fmicb.2020.547458>
- Brena-Meléndez, A., García-Amezquita, L. E., Liceaga, A., Pascacio-Villafán, C., & Tejada-Ortigoza, V. (2024). Novel food ingredients: Evaluation of commercial processing conditions on nutritional and technological properties of edible cricket (*Acheta domesticus*) and its derived parts. *Innovative Food Science & Emerging Technologies*, 92, 103589. <https://doi.org/10.1016/j.ifset.2024.103589>
- Campana, R., Van Hemert, S., & Baffone, W. (2017). Strain-specific probiotic properties of lactic acid bacteria and their interference with human intestinal pathogens invasion. *Gut Pathogens*, 9, 12. <https://doi.org/10.1186/s13099-017-0162-4>

- da Silva Lucas, A. J., de Oliveira, L. M., Rocha, M., & Prentice, C. (2020). Edible insects: An alternative of nutritional, functional and bioactive compounds. *Food Chemistry*, 311, 126022. <https://doi.org/10.1016/j.foodchem.2019.126022>
- Duda, A., Adamczak, J., Chelmińska, P., Juskiewicz, J., & Kowalczewski, P. Ł. (2019). Quality and nutritional/textural properties of wheat bread enriched with edible insects. *Foods*, 8(2), 46. <https://doi.org/10.3390/foods8020046>
- Gaba, K., & Anand, S. (2023). Incorporation of probiotics and other functional ingredients in dairy fat-rich products: Benefits, challenges, and opportunities. *Dairy*, 4(4), 630–649. <https://doi.org/10.3390/dairy4040044>
- Ghosh, S., Lee, S.-M., Jung, C., & Meyer-Rochow, V. B. (2017). Nutritional composition of five commercial edible insects in South Korea. *Journal of Asia-Pacific Entomology*, 20(2), 686–694. <https://doi.org/10.1016/j.aspen.2017.04.003>
- Gibson, G. R., Hutkins, R., Sanders, M. E., Prescott, S. L., Reimer, R. A., Salminen, S. J., Scott, K., Stanton, C., Swanson, K. S., Cani, P. D., Verbeke, K., & Reid, G. (2017). Expert consensus document: The International Scientific Association for Probiotics and Prebiotics (ISAPP) consensus statement on the definition and scope of prebiotics. *Nature Reviews Gastroenterology & Hepatology*, 14(8), 491–502. <https://doi.org/10.1038/nrgastro.2017.75>
- Gurram, S., Jha, D. K., Shah, D. S., Kshirsagar, M. M., & Amin, P. D. (2021). Insights on the critical parameters affecting the probiotic viability during stabilization process and formulation development. *AAPS PharmSciTech*, 22(5), 156. <https://doi.org/10.1208/s12249-021-02024-8>
- Hall, F. G., Jones, O. G., O'Haire, M. E., & Liceaga, A. M. (2017). Functional properties of tropical banded cricket (*Gryllodes sigillatus*) protein hydrolysates. *Food Chemistry*, 224, 414–422. <https://doi.org/10.1016/j.foodchem.2016.11.138>

- Karimi, F., Hamidian, Y., Behrouzifar, F., Mostafazadeh, R., Ghorbani-HasanSaraei, A., Alizadeh, M., Mortazavi, S.-M., Janbazi, M., & Naderi Asrami, P. (2022). An applicable method for extraction of whole seeds protein and its determination through Bradford's method. *Food and Chemical Toxicology*, 164, 113053. <https://doi.org/10.1016/j.fct.2022.113053>
- Kipkoech, C. (2019). *Nutrient profile, prebiotic potential of edible cricket, and effect of cricket-based porridge on growth, haemoglobin and fatty acid levels of school children* (Doctoral dissertation, Jomo Kenyatta University of Agriculture and Technology). <http://ir.ikuat.ac.ke/handle/123456789/5179>
- Lopez-Santamarina, A., Mondragon, A. d. C., Lamas, A., Miranda, J. M., Franco, C. M., & Cepeda, A. (2020). Animal-origin prebiotics based on chitin: An alternative for the future? A critical review. *Foods*, 9(6), 782. <https://doi.org/10.3390/foods9060782>
- Melgar-Lalanne, G., Hernández-Álvarez, A.-J., & Salinas-Castro, A. (2019). Edible insects processing: Traditional and innovative technologies. *Comprehensive Reviews in Food Science and Food Safety*, 18(4), 1166–1191. <https://doi.org/10.1111/1541-4337.12463>
- Mohammed, N. K., Badrul Khair, M. F., Ahmad, N. H., & Meor Hussin, A. S. (2022). Ice cream as functional food: A review of health-promoting ingredients in the frozen dairy products. *Journal of Food Processing and Engineering*, 45(12), e14171. <https://doi.org/10.1111/jfpe.14171>
- Mondal, P., & Ganguly, M. (2019). *Entomophagy: Grab the grub for a better future*. *Agriculture & Food e-Newsletter*. https://www.researchgate.net/publication/337839756_ENTOMOPHAGY_Grab_the_grub_for_a_better_future

- Montowska, M., Kowalczewski, P. Ł., Rybicka, I., & Fornal, E. (2019). Nutritional value, protein and peptide composition of edible cricket powders. *Food Chemistry*, 289, 130–138.
<https://doi.org/10.1016/j.foodchem.2019.03.062>
- Orkusz, A. (2021). Edible insects versus meat—Nutritional comparison: Knowledge of their composition is the key to good health. *Nutrients*, 13(4), 1207.
<https://doi.org/10.3390/nu13041207>
- Payne, C. L. R., Dobermann, D., Forkes, A., House, J., Josephs, J., McBride, A., Müller, A., Quilliam, R. S., & Soares, S. (2016). Insects as food and feed: European perspectives on recent research and future priorities. *Journal of Insects as Food and Feed*, 2(4), 269–276.
<https://doi.org/10.3920/JIFF2016.0011>
- Stull, V. J., Finer, E., Bergmans, R. S., Febvre, H. P., Longhurst, C., Manter, D. K., Patz, J. A., & Weir, T. L. (2018). Impact of edible cricket consumption on gut microbiota in healthy adults, a double-blind, randomized crossover trial. *Scientific Reports*, 8(1), 10762.
<https://doi.org/10.1038/s41598-018-29032-2>
- Tang, C., Yang, D., Liao, H., Sun, H., Liu, C., Wei, L., Li, F., & Kang, L. (2019). Edible insects as a food source: A review. *Food Production, Processing and Nutrition*, 1, 8.
<https://doi.org/10.1186/s43014-019-0008-1>
- van Huis, A. (2016). Edible insects are the future? *Proceedings of the Nutrition Society*, 75(3), 294–305. <https://doi.org/10.1017/S0029665116000069>
- van Huis, A., & Oonincx, D. G. A. B. (2017). The environmental sustainability of insects as food and feed: A review. *Agronomy for Sustainable Development*, 37, 43.
<https://doi.org/10.1007/s13593-017-0452-8>

Van Lieshout, G. A. A., Lambers, T. T., Bragt, M. C. E., & Hettinga, K. A. (2020). How processing may affect milk protein digestion and overall physiological outcomes: A systematic review. *Critical Reviews in Food Science and Nutrition*, 60(14), 2422–2445.
<https://doi.org/10.1080/10408398.2019.1646703>

Zielińska, E., Pečová, M., & Pankiewicz, U. (2023). Impact of mealworm powder (*Tenebrio molitor*) fortification on ice cream quality. *Sustainability*, 15(22), 16041.
<https://doi.org/10.3390/su152216041>