

## REFERENCES

- Abugoch, L. E., Romero, N., Tapia, C. A., Silva, J., & Rivera, M. (2008). Study of some physicochemical and functional properties of quinoa (*chenopodium quinoa willd*) protein isolates. *Journal of Agricultural and Food Chemistry*, 56(12), 4745–4750.
- Akharume, F. U., Aluko, R. E., & Adedeji, A. A. (2021). Modification of plant proteins for improved functionality: A review. *Comprehensive Reviews in Food Science and Food Safety*, 20(1), 198–224.
- Aluko, R. E., & Yada, R. Y. (1993). Relationship of hydrophobicity and solubility with some functional properties of cowpea (*Vigna unguiculata*) protein isolate. *Journal of the Science of Food and Agriculture*, 62(4), 331–335.
- Aluko, R. E., and E. Monu. (2003). Functional and bioactive properties of quinoa and amaranth. *Food Science and Technology Research*, 16(2), 163–168.
- Ansharullah, Hourigan, J. A., & Chesterman, C. F. (1997). Application of carbohydrases in extracting protein from rice bran. *Journal of the Science of Food and Agriculture*, 74(2), 141–146.
- Autio, K., & Eliasson, A. C. (2009). Rye Starch. *Starch*, 14, 579–587.
- Bergquist, D. H. (1986). In Egg Science and Technology, 3rd edit. (W. J. Stadelman and O. J. Cotterill, eds.), AVI Publi. Co., Inc., Westport, CT, p. 285.
- Branlard, G., & Bancel, E. (2007). Protein extraction from cereal seeds. *Methods in Molecular Biology* (Clifton, N.J.), 355(February), 15–25.

- Burgess, K. J., & Kelly, J. (1979). Technical note: Selected functional properties of a whey protein isolate. *International Journal of Food Science & Technology*, 14(3), 325–329.
- Cano-Medina, A., Jiménez-Islas, H., Dendooven, L., Herrera, R. P., González-Alatorre, G., & Escamilla-Silva, E. M. (2011). Emulsifying and foaming capacity and emulsion and foam stability of sesame protein concentrates. *Food Research International*, 44(3), 684–692.
- Collar, C. (2015). Quinoa. *Encyclopedia of Food and Health*, 573–579.
- Dakhili, S., Abdolalizadeh, L., Hosseini, S. M., Shojaee-Aliabadi, S., & Mirmoghadaie, L. (2019). Quinoa protein: Composition, structure and functional properties. *Food Chemistry*, 299(July), 125161.
- Damodaran, S. (2006). Protein stabilization of emulsions and foams. *Journal of Food Science*, 70(3).
- Eisner, M. D., Jeelani, S. A. K., Bernhard, L., & Windhab, E. J. (2007). Stability of foams containing proteins, fat particles and nonionic surfactants. *Chemical Engineering Science*, 62(7), 1974–1987.
- Elsohaimy, S. A., Refaay, T. M., & Zaytoun, M. A. M. (2015). Physicochemical and functional properties of quinoa protein isolate. *Annals of Agricultural Sciences*, 60(2), 297–305.
- Filho, A. M. M., Pirozi, M. R., Borges, J. T. D. S., Pinheiro Sant'Ana, H. M., Chaves, J. B. P., & Coimbra, J. S. D. R. (2015). Quinoa: Nutritional, functional, and antinutritional aspects. *Critical Reviews in Food Science and Nutrition*, 57(8), 1618–1630.
- Föste, M., Elgeti, D., Brunner, A. K., Jekle, M., & Becker, T. (2015). Isolation of quinoa protein by milling fractionation and solvent extraction. *Food and Bioproducts Processing*, 96, 20–26.

- Galves, C., Stone, A. K., Szarko, J., Liu, S., Shafer, K., Hargreaves, J., Siarkowski, M., & Nickerson, M. T. (2019). Effect of pH and defatting on the functional attributes of safflower, sunflower, canola, and hemp protein concentrates. *Cereal Chemistry*, 96(6), 1036–1047.
- Geerts, M. E. J., Dekkers, B. L., van der Padt, A., & van der Goot, A. J. (2018). Aqueous fractionation processes of soy protein for fibrous structure formation. *Innovative Food Science and Emerging Technologies*, 45(November 2017), 313–319.
- Godswill, C., Somtochukwu, V., & Kate, C. (2019). The Functional Properties of Foods and Flours. *International Journal of Advanced Academic Research | Sciences*, 5(11), 2488–9849.
- Goff, H. D., Kinsella, J. E., & Jordan, W. K. (1989). Influence of Various Milk Protein Isolates on Ice Cream Emulsion Stability. *Journal of Dairy Science*, 72(2), 385–397.
- Gomes, M. T. M. S., & Pelegrine, D. H. G. (2012). Solubility of egg white proteins: Effect of pH and temperature. *International Journal of Food Engineering*, 8(3), 8–15.
- Graham, D.E. and Philips, M.C. 1976. The conformation of proteins at the air-water interface and their role in stabilizing foam. In Akers, R.J. (Ed.) New York: Academic Press. Foams, p. 237-255.
- Ivanova, P., Kalaydzhiev, H., Dessev, T. T., Silva, C. L. M., Rustad, T., & Chalova, V. I. (2018). Foaming properties of acid-soluble protein-rich ingredients obtained from industrial rapeseed meal. *Journal of Food Science and Technology*, 55(9), 3792–3798.
- Kim, S. H., & Kinsella, J. E. (1985). Surface Activity of Food Proteins: Relationships Between Surface Pressure Development, Viscoelasticity of Interfacial Films and Foam Stability of Bovine Serum Albumin. *Journal of Food Science*, 50(6), 1526–1530.

Kinsella, J. E. (1976). Functional properties of proteins in foods: A survey. C R C Critical Reviews in Food Science and Nutrition, 7(3), 219–280.

Kinsella, J. E. (1981). Functional properties of proteins: Possible relationships between structure and function in foams. Food Chemistry, 7(4), 273–288.

Kinsella, J. E. (1984). Milk proteins: Physicochemical and functional properties. C R C Critical Reviews in Food Science and Nutrition, 21(3), 197–262.

Kitabatake, N., & Doi, E. (1982). Surface Tension and Foaming of Protein Solutions. Journal of Food Science, 47(4), 1218–1221.

Lomakina, K., & Míková, K. (2006). A study of the factors affecting the foaming properties of egg white - A review. Czech Journal of Food Sciences, 24(3), 110–118.

Ngoc, T. T. B., Len, N. T., & Lindberg, J. E. (2012). Chemical characterization and water holding capacity of fibre-rich feedstuffs used for pigs in Vietnam. Asian-Australasian Journal of Animal Sciences, 25(6), 861–868.

Novozymes. (2001). Viscozyme L Product Sheet. 2. [http://www.ebiosis.co.kr/Novozymes/ProductSheet/Viscozyme L.pdf](http://www.ebiosis.co.kr/Novozymes/ProductSheet/Viscozyme%20L.pdf)

Peng, Y., Dewi, D. P. A. P., Kyriakopoulou, K., & van der Goot, A. J. (2020). Effect of calcium hydroxide and fractionation process on the functional properties of soy protein concentrate. Innovative Food Science and Emerging Technologies, 66(March), 102501.

Petersson, K., Nordlund, E., Tornberg, E., Eliasson, A. C., & Buchert, J. (2012). Impact of cell wall-degrading enzymes on water-holding capacity and solubility of dietary fibre in rye and wheat bran. Journal of the Science of Food and Agriculture, 93(4), 882–889.

Prego, I., Maldonado, S., & Otegui, M. (1998). Seed structure and localization of reserves in *Chenopodium quinoa*. *Annals of Botany*, 82(4), 481–488.

Rosset, M., Acquaro, V. R., & Beléia, A. D. P. (2012). Protein extraction from defatted soybean flour with Viscozyme L pretreatment. *Journal of Food Processing and Preservation*, 38(3), 784–790.

Ruger, P. R., Baer, R. J., & Kasperson, K. M. (2002). Effect of double homogenization and whey protein concentrate on the texture of ice cream. *Journal of Dairy Science*, 85(7), 1684–1692.

Ruiz, G. A. (2016). Exploring novel food proteins and processing technologies A case study on quinoa protein and high pressure – high temperature processing.

Shen, Y., Tang, X., & Li, Y. (2021). Drying methods affect physicochemical and functional properties of quinoa protein isolate. *Food Chemistry*, 339(August 2020), 127823.

Smalheiser, N. R. (2017). Chapter 11 - ANOVA. Data Literacy, 149–155.

Tacias-Pascacio, V. G., Rosales-Quintero, A., Rodrigues, R. C., Castañeda-Valbuena, D., Díaz-Suarez, P. F., Torrestiana-Sánchez, B., Jiménez-Gómez, E. F., & Fernandez-Lafuente, R. (2021). Aqueous extraction of seed oil from mamey sapote (*Pouteria sapota*) after viscozyme I treatment. *Catalysts*, 11(6), 1–15.

Taneja, A., Ye, A., & Singh, H. (2014). Influence of protein concentration on the stability of oil-in-water emulsions formed with aggregated milk proteins during spray drying. *Dairy Science and Technology*, 95(3), 279–293.

Teo, C. T., Munro, P. A., Singh, H., & Hudson, R. C. (1996). Effects of pH and temperature on the water-holding capacity of casein curds and whey protein gels. *Journal of Dairy Research*, 63(1), 83–95.

Toapanta, A., Carrillo, W., Carpio, C., & Vilcacundo, R. (2016). Analysis of protein isolate from quinoa (*Chenopodium quinoa*). *Asian Journal of Pharmaceutical and Clinical Research*, 9(2), 332–334.

Valencia-Chamorro, S. A. (2015). Quinoa: Overview. *Encyclopedia of Food Grains: Second Edition*, 1–4, 341–348.

Wang, M., Jiang, L., Li, Y., Liu, Q., Wang, S., & Sui, X. (2011). Optimization of extraction process of protein isolate from mung bean. *Procedia Engineering*, 15, 5250–5258.

Waniska, R. D., Shetty, J. K., & Kinsella, J. E. (1981). Protein-Stabilized Emulsions: Effects of Modification on the Emulsifying Activity of Bovine Serum Albumin in a Model System. *Journal of Agricultural and Food Chemistry*, 29(4), 826–831.

Wu, W. U., Hettiarachchy, N. S., & Qi, M. (1998). Hydrophobicity, solubility, and emulsifying properties of soy protein peptides prepared by papain modification and ultrafiltration. *JAOCS, Journal of the American Oil Chemists' Society*, 75(7), 845–850.

USDA. Quinoa, uncooked. (2019). Retrieved from USDA.

Zayas, J. F. (1997). *Functionality of Proteins in Food* (1st Edition). Springer-Verlag Berlin Heidelberg.