

เอกสารอ้างอิง

กัลยาณี โสมนัส. 2540. การผลิตกล้วยหอมพงโดยการทำแห้งแบบไฟฟ์และแบบพ่นฟอย.

วิทยานิพนธ์วิทยาศาสตร์มหาบัณฑิต (วิทยาศาสตร์และเทคโนโลยีการอาหาร),
มหาวิทยาลัยเกษตรศาสตร์. กรุงเทพฯ.

กล้านรังค์ ศรีรอด และเกื้อภูล ปีะจอมขวัญ. 2543. เทคโนโลยีแป้ง. พิมพ์ครั้งที่ 2.
มหาวิทยาลัยเกษตรศาสตร์. กรุงเทพฯ.

กุลวงศ์ คงชนะเลข. 2552. การผลิตนำส้มสายชูหมักจากน้ำเย็นเต้าหู้และน้ำเย็นเนยแข็ง. ภาควิชา
ชีววิทยา คณะวิทยาศาสตร์ มหาวิทยาลัยเชียงใหม่. เชียงใหม่.

คุ้มเกล้า ตุลาดิลก. 2552. การผลิตนำกระเทียมดองชนิดผงโดยการทำแห้งแบบไฟฟ์แมท. วิทยาศาสตร์
มหาบัณฑิต. ภาควิชาวิทยาศาสตร์ และเทคโนโลยีการอาหาร. คณะอุตสาหกรรมเกษตร มหาวิทยาลัยเชียงใหม่. เชียงใหม่.

ดุจหทัย พูเจริญ. 2005. การผลิตนำนมข้าวโพดผงโดยวิธีการอบแห้งแบบไฟฟ์แมท. วิทยาศาสตร์
มหาบัณฑิต. ภาควิชาวิทยาศาสตร์ และเทคโนโลยีการอาหาร. คณะอุตสาหกรรมเกษตร
มหาวิทยาลัยเชียงใหม่. เชียงใหม่.

นรินทร์ ทองศิริ. 2531. เทคโนโลยีอาหารนม (Dairy Technology). ภาควิชาวิทยาศาสตร์และ
เทคโนโลยีการอาหาร คณะเกษตรศาสตร์ มหาวิทยาลัยเชียงใหม่. เชียงใหม่.

นิชยา รัตนานันท์. 2541. เคมีนมและผลิตภัณฑ์นม. ภาควิชาวิทยาศาสตร์และเทคโนโลยีอาหาร
คณะอุตสาหกรรมเกษตร มหาวิทยาลัยเชียงใหม่. เชียงใหม่.

นิชยา รัตนานันท์. 2545. เคมีอาหาร. ไอเดียนสโตร์ กรุงเทพฯ.

วรรณฯ ตั้งเจริญชัย และวินูลย์ศักดิ์ กาวิละ. 2531. นมและผลิตภัณฑ์นม. ไอ.เอ.ส.พรีนติ้งเฮาส์,
กรุงเทพฯ.

รัชนี ตันทะพานิชกุล. 2542. เคมีอาหาร. ภาควิชาเคมี คณะวิทยาศาสตร์ มหาวิทยาลัยรามคำแหง.
กรุงเทพฯ.

รัตนฯ อัตตปัญช. 2547. การทำแห้งแบบไฟฟ้าแม่เหล็ก. เทคโนโลยีอุตสาหกรรมเกษตร, Trio advertising and media, เชียงใหม่.

อภิรักษ์ เพียรมงคล, เรณู ปั่นทอง, วิชัย หาญพาณิชย์พันธ์. 2549. คุณภาพของเนยแข็งรสสกุนไพร และการบำบัดด้วยไฟฟ้าเพื่อใช้ผลิตแซนแทกนกัน และไข่โภเชลลูลอส. ภาควิชาวิทยาศาสตร์และเทคโนโลยีอาหาร คณะอุตสาหกรรมเกษตร มหาวิทยาลัยเชียงใหม่. เชียงใหม่.

Arslan, D. and Ozcan, M.M. 2010. Study the effect of sun, oven and microwave drying on quality of onion slices. *Food Science and Technology*, 43: 1121-1127.

AOAC. 2000. *Official methods of analysis of Association of Official Analysis Chemists International*, the 17ed. The Association of Official Analysis Chemists. Virginia, USA.

Barbano, D.M. and Clark J.L. 1989. Infrared milk analysis: Challenges for future. *Journal Dairy Science*, 72: 1627-1636.

Barbano, M.S., Egoscue, J.J., Fernandez, M.G., Kijko, A., Lapajne, J., Mayer-Rosa, D., Schenk, V., Schenkova, Z., Slezko, D., and Zonno, G. 1989. Assessment of seismic hazard for the Sannio-Matase area of southern Italy-A summary. *Natural Hazard*, 2: 217-228.

Bates, R.P. 1964. Factors affecting foam production and stabilization of tropical fruit products. *Food Technology*, 18: 93-96.

Belitz, H.D., and Grosch, W. 1999. Aroma substances. In Belitz, H.D., and Grosch, W. (Eds.), *Food chemistry*. Springer-Verlag. Berlin, Germany. 473-476.

Berry, R.E., Bisselt, O.W. and Lastinger, J.C. 1965. Method for evaluating foams from citrus concentrates. *Food Technology*, 19(5): 144-147.

Bikerman, J.J. 1973. *Foams*. Springer-Verlag, New York.

Borcherding, K., Lorenzen, P.Ch., Hoffmann, W. and Schrader, K. 2008. Effect of foaming temperature and varying time/temperature-conditions of pre-heating on the foaming properties of skimmed milk. *International Dairy Journal*, 18: 349–358.

- Bradford, M. 1976. A rapid and sensitive method for the quantitation of microgram quantities of protein utilizing the principle of protein-dye binding. *Analytical Biochemistry*, 72: 248-254.
- Brygidyr, A.M., Rzepecka, M.A. and Mc Connell, M.B. 1977. Characterization and drying of tomato paste foam by hot air and microwave energy. *Canadian Institute of Food Science and Technology Journal*, 10(4): 313-319.
- Bylund, G. 1995. *Dairy processing handbook*. Tetra Pak Processing System AB. Lund, Sweden. 13-36.
- Cherry, J.P., and Mcwatters, K.H. 1981. Whippability and aeration. In Cherry, J.P. (Ed.), *Protein Functionality in Foods*. American chemical society publisher. 149-176.
- Chronakis, I.S. 1988. On the molecular characteristics, composition property, and structural functional mechanisms of maltodextrins: A review. *Critical Reviews in Food Science*, 38 (7): 599-637.
- Crudden, A. and Kelly, A.L. 2003. Studies of plasmin activity in whey. *International Dairy Journal*, 13: 987-993.
- Davis, J.P., Foegeding, E.A. and Hansen, F.K. 2004. Electrostatic effects on the yield stress of whey protein isolate foams. *Colloids and Surfaces B: Biointerfaces*, 34: 13-23.
- Davis, J.P. and Foegeding, E.A. 2007. Comparisons of the foaming and interfacial properties of whey protein isolate and egg white proteins. *Colloids and Surfaces B: Biointerfaces*, 54: 200-210.
- De Wit, J.N., Hontelez-Backx, E. and Adamse, M. 1988. Evaluation of functional properties of whey protein concentrates and whey protein isolates. III. Functional properties of aqueous solution. *Netherlands Milk and Dairy Journal*, 42: 155-72.
- Dickinson, E. 1992. *An introduction to food colloids*. Oxford University Press. Oxford, UK.
- Fennema, R.O. 1996. Characteristic of milk. In Fennema, R.O. (Ed.), *Food chemistry*. 3rd ed. Marcel Dekker, Inc. New York. 245-370.

- Fox, P.F. and McSweeney, P.L.H. 1998. *Dairy chemistry and biochemistry*. Blackie Academic and Professional Publisher. London.
- Furia, T.E. 1972. *CRC Handbook of food additive*, vol. 1. 2nd ed. AVI publishing. New York, USA.
- Gaiani, C., Morand, M., Sanchez, C., Tehrany, E.A., Jacquot, M., Schuck, P., Jeantet, R. and Scher, J. 2010. How surface composition of high milk proteins powders is influenced by spray-drying temperature. *Colloids and Surfaces B: Biointerfaces*, 75: 377–384.
- Ganzle, M.G., Haase, G. and Jelen, P. 2008. Lactose: Crystallization, hydrolysis and value-added derivatives. *International Dairy Journal*, 18: 685– 694.
- Gerberding, S.J. and Byers, C.H. 1998. Preparative ion-exchange chromatography of proteins from dairy whey. *Journal of Chromatography A*, 808: 141–151.
- Giri, S.K. and Suresh, P. 2007. Drying kinetics and rehydration characteristics of microwave-vacuum and convective hot-air dried mushrooms. *Journal of Food Engineering*, 78, 512-521.
- Hart, M.R., Graham, R.P., Ginnette, I.F., and Morgan, A.I. 1963. Foams for foam-mat drying. *Food Technology*, 17(10): 90-92.
- Igoe, R.S., and Hui Y.H. 1996. *Dictionary of food ingredients*, 3rd ed. Chapman & Hall, New York.
- Indrawati, L., Wang, Z., Narsimhan, G. and Gonzalez, J. 2008. Effect of processing parameters on foam formation using a continuous system with a mechanical whipper. *Journal of Food Engineering*, 88: 65–74.
- Irena, J., Rajka B., Mladen, B. and Branko, T. 2012. Influence and comparison of thermal, ultrasonic and thermo-sonic treatments on microbiological quality and sensory properties of rennet cheese whey. Microbiological and sensory quality of rennet cheese whey, *Mjekarstvo*, 62 (3): 165-178.

- Jambrak, A.R., Mason, T.J., Paniwnykand, L. and Vesna, L. 2007. Accelerated drying of button mushrooms, Brussels sprouts and cauliflower by applying power ultrasound and its rehydration properties. *Journal of Food Engineering*, 81: 88-97.
- Karim, A.A. and Wai, C.C. 1999. Foam-mat drying of starfruit (*Averrhoa carambola* L.) puree. Stability and air drying characteristics. *Food Chemistry*, 64: 337-343.
- Kilara, A. 1994. Whey protein functional. In Hettiarachchy, N.S. and Ziegler, G.R. (Eds.) *Protein functional in food systems*. Marcel Dekker, Inc. New York. 325-355.
- Kontogiorgos, V., Tosh, S.M. and Wood, P.J. 2009. Phase behaviour of high molecular weight oat β -glucan/whey protein isolate binary mixtures. *Food Hydrocolloids*, 23: 949-956.
- Korhonen, H., Pihlanto-leppala, A., Rantamaki, P. and Tuomo, T. 1998. The functional and biology properties of whey protein: Properties for the development of function food. *Agricultural and Food Science in Finland*, 7: 283-296.
- Krog, N. 2001. Crystallization properties and lyotropic phase behavior of food emulsifiers. In Garti, N. and Sato, K. (Eds.), *Crystallization processes in fats and lipids systems*. Marcel Dekker Inc. New York. 505-526.
- Labelle, R.L. 1996. Characterization of foams for foam-mat drying. *Food Technology*, 20(8): 1065-1070.
- Lee, S.K. and Anema, S.G. 2009. The effect of the pH at cooking on the properties of processed cheese spreads containing whey proteins. *Food Chemistry*, 115: 1373–1380.
- Leonelli, C., and Mason, T.J. 2010. Microwave and ultrasonic processing: Now a realistic option for industry. *Chemical Engineering and Processing: Process Intensification*, 49: 885-900.
- Lin, S., Sun, J., Cao, D., Cao, J. and Jiang, W. 2010. Distinction of different heat-treated bovine milks by native-PAGE fingerprinting of their whey proteins. *Food Chemistry*, 121: 803–808.

- Maas, S.G., Schaldach, G., Littringer, E.M., Mescher, A., Criesser, U.J., Braun, D.E., Walzel, P.E. and Urbanetz, N.A. 2011. The impact of spray drying outlet temperature on the particle morphology of mannitol. *Powder Technology*, 213: 27–35.
- Macrae, R., Robinson, R.K. and Sadler, M.J. 1993. *Encyclopaedia of food science. Food technology and nutrition*. Vol. 8. Academic Press. New York, USA.
- McIntyre, R.T. 1979. Polyglycerol Esters. *Journal of American Oil Chemistry Society*, 56: 835-840.
- Methakhup, S., Chiewchan, N., and Devahastin, S. 2005. Effects of drying methods and conditions on drying kinetics and quality of Indian gooseberry flake. *Lebensmittel Wissenschaft und Technologie*, 38: 579-587.
- Mishra S., Mann B. and Joshi V.K. 2001. Functional improvement of whey protein concentrate on interaction with pectin. *Food Hydrocolloids*, 15: 9-15.
- Mitchell, J.R., 1986. *Development in food proteins*. Elsevier Applied Science Publishers. New York, USA.
- Mohan, M., Ramachandran, D., and Sankar, T.V. 2006. Functional properties of Rohu (*Labeo rohita*) proteins during iced storage. *Food Research International*, 39: 847–854.
- Morr, C.V. and Foegeding, E.A. 1990. Composition and functionality of commercial whey and milk protein concentrates and isolates: A status report. *Food Technology*, 44 (4): 100-112.
- Park, W.J., Jung, M.K., Masaki, T., Im, S.J. and Yoon, D.H. 2008. Characterization of YVO 4: Eu³⁺, Sm³⁺ red phosphor quick synthesized by microwave rapid heating method. *Materials Science and Engineering: B*, 146: 95-98.
- Pernell, C.W., Foegeding, E.A., Luck, P.J. and Davis, J.P. 2002. Properties of whey and egg white protein foams. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, 204: 9-21.

- Ponting J.D., Jackson R. and Watters G. 1972. Refrigerated apple slices: Preservative effect of ascorbic acid, calcium and sulphites. *Journal of Food Science*, 37: 434.
- Raikos, V. 2010. Effect of heat treatment on milk protein functionality at emulsion interfaces. A review. *Food Hydrocolloids*, 24: 259–265.
- Rajkumar, P., Kailappan, R., Viswanathan, R. and Raghavan, G.S.V. 2007. Drying characteristics of foamed alphonso mango pulp in a continuous type foam mat dryer. *Journal of Food Engineering*, 79: 1452-1459.
- Ratchaniyom, C. 2002. *Production of longan juice by foam-mat drying*. Master's thesis. Department of Agro-Industry, Faculty of Food Science and Technology. Chiang Mai University. Chiang Mai.
- Sanket, K.C. and Castaigne, F. 2004. Foaming and drying behaviour of ripe bananas. *Lebensmittel-Wissenschaft und Technologie*, 37: 517-525.
- Sauter, E.A. and Montourey, J.E. 1972. The relationship of lysozyme content of egg white to volume and stability of foams. *Journal of Food Science*, 37(6): 918-920.
- Sein, A., Verheij, J.A., and Agterof, W.G.M. 2002. Rheological characterization, crystallization, and gelation behavior of monoglyceride gels. *Journal of Colloid and Interface Science*, 249: 412-422.
- Shah, B., Ikeda, S., Davidson, P.M. and Zhong, Q. 2012. Nanodispersing thymol in whey protein isolate-maltodextrin conjugate capsules produced using the emulsion–evaporation technique. *Journal of Food Engineering*, 113: 79–86.
- Shittu, T.A. and Lawal, M.O. 2007. Factors affecting instant properties of powdered cocoa beverages. *Food Chemistry*, 100: 91-98.
- Sodini I., Mattas J. and Tong P.S. 2006. Influence of pH and heat treatment of whey on the functional properties of whey protein concentrates in yoghurt. *International Dairy Journal*, 16: 1464-1469.

- Sumnu, G. 2001. A review on microwave baking of foods. *International Journal of Food Science and Technology*, 36: 117–127.
- Swaisgood, H.E. 1996. Characteristics of milk. In Fennema, O.R. (Ed.), *Food chemistry*. 3rd ed. Marcel Dekker, Inc. New York. 841-878.
- Tedeschi C., Clement V., Rouvet M. and Valles-Pamies B. 2009. Dissolution tests as a tool for predicting bioaccessibility of nutrients during digestion. *Food Hydrocolloids*, 23: 1228-1235.
- Walstra, P., Geurts, T.J., Noomen, A., Jellema, A., and van Boekel, M.A.J.S. 1999. *Dairy technology: Principles of milk properties and processes*. Marcel Dekker, Inc. USA.
- Wilde, P.J. and Clark, D.C. 1996. Foam formation and stability. In Hall, G.M. (Ed.), *Methods in testing protein functionality*. Blackie Academic & Professional. London. 100-152.
- Wit, J.N.D. 1998. Nutritional and functional characteristics of whey proteins in food products. *Dairy Science*, 81: 597-608.
- Wong, D, Camirand, W. and Pavlath, A. 1996. Structures and functionalities of milk protein. *Critical Reviews in Food Science and Nutrition*, 36: 807-844.
- Wu, T., and Mao, L. 2008. Influences of hot air drying and microwave drying on nutritional and odorous properties of grass carp (*Ctenopharyngodon idellus*) fillets. *Food Chemistry*, 110: 647–653.
- Yang, F., Rogers S., Selomulya C. and Chen X.D., 2012. Functionality of milk protein concentrate: Effect of spray drying temperature. *Biochemical Engineering Journal*, 62: 101– 105.
- Yamul, D.K., and Lupano, C.E. 2005. Whey protein concentrate gels with honey and wheat flour. *Food Research International*, 38: 511–522.
- Zadow, J.G. 1992. *Whey and lactose processing*. Elsevier Science Publishers Ltd. England.