

เอกสารอ้างอิง

- นิธยา รัตนาปันนท์. 2549. เคมีอาหาร. พิมพ์ครั้งที่ 2. กรุงเทพฯ : ไอเดียนสโตร์.
- อนอมดวง แซ่ดี. 2549. การพัฒนาผลิตภัณฑ์ไอกวีรีมคัดแปลงจากโปรดีนถั่วเหลืองและไขมันพืช. วิทยานิพนธ์ปริญญาวิทยาศาสตรมหาบัณฑิต สาขาวิชาเทคโนโลยีอาหาร มหาวิทยาลัยเทคโนโลยีสุรนารี.
- ประนัติ วงศ์ประภาส. 2545. เคมีภายในของอาหาร คอลลอกยด อิมัลชัน และเจล. พิมพ์ครั้งที่ 1. กรุงเทพฯ : สำนักพิมพ์จุฬาลงกรณ์มหาวิทยาลัย.
- พชรีย์ พัฒนาณกุล. 2549. การใช้น้ำมันพืช อังคก้า โปรดีนสกัดจากถั่วเหลือง และเป็นมันสำปะหลัง เพื่อพัฒนาคุณภาพในผลิตภัณฑ์ไส้กรอก. วิทยานิพนธ์ปริญญาโท สาขาวิทยาศาสตร์และเทคโนโลยีการอาหาร. มหาวิทยาลัยเชียงใหม่.
- ศรีภรรยา ศรีเจริญ และ รศมี ชูชีพ. 2547. ผลของการดับน้ำมันถั่วเหลืองในสูตรการผลิตไส้กรอกปลา尼ลอิมัลชัน โภคสารเตอรอลต์. วารสารวิจัย มหาวิทยาลัยขอนแก่น, กรกฎาคม – ธันวาคม, 9(2): 19-30.
- สถาบันค้นคว้าและพัฒนาผลิตภัณฑ์อาหาร มหาวิทยาลัยเกษตรศาสตร์. 2527. ถั่วเหลือง และ การใช้ประโยชน์ในประเทศไทย. พิมพ์ครั้งที่ 1. บริษัทสยามօฟเช็ค จำกัด. กรุงเทพ.
- Abiola, S.S. and Adegbaju, S.W. 2001. Effect of substituting pork backfat with rind on quality characteristics of pork sausage. Meat Science. 58: 409-412.
- Aktas, N. and Gencelep, H. 2006. Effect of starch type and its modifications on physicochemical properties of bologna type sausage produced with sheep tail fat. Meat Science. 74: 404-408.
- Andrés, S.C., García, M.E., Zaritzky, N.E. and Califano, A.N. 2006. Storage stability of low-fat chicken sausages. Journal of Food Engineering. 72: 311-319.
- AOAC. 2000. Official methods of analysis of AOAC. 16th ed. Virginia. USA.
- Apichartsrangkoon A. 2003. Physico-chemistry of high pressure treated soy protein concentrate. Food Chemistry. 80: 55-60.
- Ayadi, M.A., Kechaou, A., Makni, I. and Attia, H. 2009. Influence of carrageenan addition on turkey meat sausages properties. Journal of Food Engineering. 93: 278-283.

- Ayo, J., Carballo, J., Solas, M.T. and Jiménez-Colmenero, F. 2008. Physicochemical and sensory properties of healthier frankfurters as affected by walnut and fat content. *Food Chemistry*. 107: 1547-1552.
- Baeza, R.I., Carp, D.J., Pérez, O.E. and Pilosof, A.M.R. 2002. *K*-Carrageenan—Protein Interactions: Effect of proteins on polysaccharide gelling and textural properties. *Lebensmittel-Wissenschaft und-Technologie*. 35: 741-747.
- Barać, M.B., Stanojević, S.A.P., Jovanović, S.A.T. and Pešić, M.B. 2004. Soy protein modification. *Biblicl. 35*: 3-16.
- Bloukas, J. G., Paneras, E. D. and Fournitzis, G. C. 1997. Effect of replacing pork backfat with olive oil on processing and quality characteristics of fermented sausages. *Meat Science*. 45: 133-144.
- Braipson-Danthine, S. and Deroanne, C. 2004. Influence of SFC, microstructure and polymorphism on texture (hardness) of binary blends of fats involved in the preparation of industrial shortenings. *Food Research International*. 37: 941-948.
- Britten, M. and Giroux, H.J. 1991. Emulsifying properties of whey protein and casein composite blends. *Journal Daily Science*. 74: 3318-3325.
- Cáceres, E., García, M.L. and Selgas, M.D. 2008. Effect of pre-emulsified fish oil – as source of PUFA n-3 – on microstructure and sensory properties of mortadella, a Spanish bologna-type sausage. *Meat Science*. 80: 183–193.
- Campo, V.L., Kawano, D.F., Silva Jr., D.B., Carvalho, I. 2009. Carrageenans: Biological properties, chemical modifications and structural analysis. *Carbohydrate Polymers*. 77: 167–180.
- Candogan, K. and Kolsarici, N. 2003. The effects of carrageenan and pectin on some quality characteristics of low-fat beef frankfurters. *Meat Science*. 64: 199-206.
- Choi, Y., Choi, J., Han, D., Kim, H., Lee, M., Kim, H., Jeong, J. and Kim, C. 2009. Characteristics of low-fat meat emulsion systems with pork fat replaced by vegetable oils and rice bran fiber. *Meat Science*. 82: 266-271.
- Choi, Y., Choi, J., Han, D., Kim, H., Lee, M., Kim, H., Lee, J., Chung, H. and Kim, C. 2010. Optimization of replacing pork back fat with grape seed oil and rice bran fiber for reduced-fat meat emulsion systems. *Meat Science*. 84: 212-218.

- Cierach, M., Modzelewska-Kapitula, M. and Szacilo, K. 2009. The influence of carrageenan on the properties of low-fat frankfurters. *Meat Science*. 82: 295-299.
- Cramp, G. 2007. Modification and molecular interactions of soy protein isolate. A thesis submitted to the Graduate Faculty of North Carolina State University.
- Crehan, C.M. and Hughes, E. 2000. Effect of fat level and maltodextrin on the functional properties of frankfurters formulated with 5, 12, and 30% fat. *Meat Science*, 55: 463-469.
- Ensor, M. Hallett, K. Hewitt, B. Fursey, G.A.J. and Wood, J.D. 1996. Fatty acid content and composition of english beef, lamb and pork at retail. *Meat Science*. 42: 443-456.
- Fennema, O. R. 1996. *Food Chemistry*. Marcel Dekker. New York.
- Food intelligence center, Thailand. (online). Available : <http://fic.nfi.or.th/th/thaifood/product52-meat.asp>. [23 November 2009].
- Harnsilawat, T., Pongsawatmanit, R. and McClements D.J. 2006. Stabilization of model beverage cloud emulsions using protein-polysaccharide electrostatic complexes formed at the oil-water interface. *Journal of Agricultural and Food Chemistry*. 54: 5540 - 5547.
- Hayakawa, S. and Nakai, S. 1985. Relationship of hydrophobicity and net charge to the solubility of milk and soy proteins. *Journal Food Science*. 50: 486-491.
- He, Y. and Sebranck, J. G. 1996. Frankfurters with lean finely textured tissue as affected by ingredients. *Journal of Food Science*. 60: 55-67.
- Hsu, S.Y. and Yu, S.H. 2002. Comparisons on 11 plant oil fat substitutes for low-fat kung-wans. *Journal of Food Engineering*. 51: 212-220.
- Hughes, E., Cofrades, S. and Troy, D.J. 1996. Effect of fat level oat fibre and carrageenan on frankfurter formulated with 5, 12 and 30 % fat. *Meat Science*. 45: 273-281.
- Jiménez-Colmenero, F., Herrero, A., Pintado, T. Solas, M.T. and Ruiz-Capillas, C. 2010. Influence of emulsified olive oil stabilizing system used for pork backfat replacement in frankfurters. *Food Research International*. 43: 2068–2076.
- Kayaard, S. and Gok, V. 2003. Effect of replacing beef fat with olive oil on quality characteristics of Turkish soudjouk (sucuk). *Meat Science*. 66: 249-257.

- Krstonosic, V., Dokic, L., Dokic, P. and Dapcevic, T. 2009. Effects of xanthan gum on physicochemical properties and stability of corn oil-in-water emulsions stabilized by polyoxyethylene (20) sorbitan monooleate. *Food Hydrocolloids.* 1-9.
- Lin, K.-W. and Huang, H.-Y. 2003. Konjac/gellan gum mixed gels improve the quality of reduced-fat frankfurters. *Meat Science.* 65: 749-755.
- Liu, K. 1999. Soybeans Chemistry, Technology and Utilization. Aspen publication. America.
- Maheshwari, P., Ooi, E.T. and Nikolov, Z.L. 1995. Off-flavor removal from soy-protein isolate by using liquid and supercritical carbon dioxide. *Journal of the American Oil Chemists' Society.* 72(10): 1107-1115.
- Mills, E.N.C., Jenkins, J., Marigheto, N., Belton, P.S., Gunning, A.P. and Morris, V.J. 2002. Allergens of the cupin superfamily. *Plant Food Allergens.* 30: 925-929.
- Mine, Y., Li-Chan, E. and Jiang, B. 2010. Flavor - active properties of amino acids, peptides, and proteins. *Bioactive Proteins and Peptides as Functional Foods and Nutraceuticals.* 341-358.
- Mitidieri, F.E. and Wagner, J.R. 2002. Coalescence of o/w emulsions stabilized by whey and isolate soybean proteins. Influence of thermal denaturation, salt addition and competitive interfacial adsorption. *Food Research International.* 35: 547-557.
- Mourtzinos, I. and Kiosseoglou, V. 2005. Protein interactions in comminuted meat gels containing emulsified corn oil. *Food Chemistry.* 90: 699-704.
- Muguerza, E., Gimeno, O., Ansorena, D., Bloukas, J.G. and Astiasaran, I. 2001. Effect of replacing pork backfat with pre-emulsified olive oil on lipid fraction and sensory quality of Chorizo de Pamplona-a traditional Spanish fermented sausage. *Meat Science.* 99: 251-258.
- Muguerza, E., Fista, G., Ansorena, D., Astiasaran, I. and Bloukas, J.G. 2002. Effect of fat level and partial replacement of pork backfat with olive oil on processing and quality characteristics of fermented sausages. *Meat Science.* 61: 397-404.
- Nielsen, P.M., Petersen, D. and Dambmann, C. 2001. Improved method for determining food protein degree of hydrolysis. *Journal of Food Science.* 66(5): 642-646.
- Prajapati, S.T., Patel, A.K. and Patel, L.D. 2007. Carrageenan: a naturally occurring routinely used excipient. *Anonymous.* 5(1).

- Ortiz, S.E. and Wangner, J.R. 2002. Hydrolysates of native and modified soy protein isolate: structural characteristics, solubility and foaming properties. *Food Research International.* 32: 511-518.
- Ozvural, E.B. and Vural, H. 2008. Utilization of interesterified oil blends in the production of frankfurters. *Meat Science.* 78(3): 211–216.
- Pearce, K.N. and Kinsella, J.E. 1979. Emulsifying properties of protein: evaluation of a turbidimetric technique. *Journal of Agricultural and Food Chemistry.* 26: 716-723.
- Pietrasik, Z. and Duda, Z. 2000. Effect of fat content and soy protein carageenan mix on the quality characteristics of comminuted scaled sausage. *Meat Science.* 56: 181-188.
- Rawdkuen, S. and Benjakul, S. 2008. Whey protein concentrate: Autolysis inhibition and effects on the gel properties of surimi prepared from tropical fish. *Food Chemistry.* 106: 1077-1084.
- Renkema, J. M. S. 2001. Formation, Structure and Rheological Properties of Soy Protein Gels. Wageningen University. The Netherlands.
- Roesch, R. R. and Corredig, M. 2003. Texture and microstructure of emulsions prepared with soy protein concentrate by high-pressure homogenization. *Lebensmittel-Wissenschaft und Technologie.* 36: 113-124.
- Saithi, S. and Wongfhun, P. 2005. Pre-emulsified fat pork fat substitute in fish sausage. KKU Annual Agricultural Seminar for year 2005.
- Santiago, L. G., Gonzalez, R. J., Fillery-Travis, A., Robins, M., Bonaldo, A. G. and Carrara, C. 2002. The influence of xanthan and λ -carrageenan on the creaming and flocculation of an oil-in-water emulsion containing soy protein. *Brazilian Journal of Chemical Engineering.* 19: 411-417.
- Serrano, A., Librelotto, J., Cofrades, S., Sanchez-Muniz, F. J. and Jimenez-Colmenero, F. 2007. Composition and physicochemical characteristics of restructured beef steaks containing walnuts as affected by cooking method. *Meat Science.* 77(3): 304–313.
- Sikorski, Z.E. 2001. Chemical and Functional Properties of Food Proteins. Chemical and functional properties of food components series: CRC press, New York.
- Simmons, K. 2009. (online). Available : <http://kentsimmons.uwinnipeg.ca/cm1504/proteins.htm> [20/8/2009].

- Suliman, M.A., El, T., Abdulla, H. and Elkhalifa, A.E.O. 2006. Solubility as influenced by pH and NaCl concentration and functional properties of lentil proteins isolate. *Pakistan Journal of Nutrition*. 5(6): 589-593.
- Sun, X. S. 2005. (online). Available : <http://www.globalspec.com/reference/2238/203279/Chapter-9-Thermal-and-Mechanical-Properties-of-Soy-Proteins>. [20/8/2009].
- Tsumura, K., Saito, T., Tsuge, K., Ashida, H., Kugimiya, W., and Inouye, K. 2005. Functional properties of soy protein hydrolysates obtained by selective proteolysis. *Lebensmittel-Wissenschaft und-Technologie*. 38: 255–261.
- Vural, H. and Javidipour, I. 2002. Replacement of beef fat in frankfurters by interesterified palm, cottonseed and olive oils. *European Food Research and Technology*. 214: 465–468.
- Wu, W.U., Hettiarachchy, N.S., and Qi, M. 1998. Hydrophobicity, solubility, and emulsifying properties of soy protein peptides prepared by papain modification and ultrafiltration. *Journal of the American Oil Chemists' Society*. 75(7): 845-850.
- Youssef, M.K. and Barbut S. 2009. Effects of protein level and fat/oil on emulsion stability, texture, microstructure and color of meat batters. *Meat Science*. 82: 228–233.
- Zhong, F., Wang, Z., Xu, S.-Y., and Shoemaker, C.F. 2007. The evaluation of proteases as coagulants for soy protein dispersions. *Food Chemistry*. 100: 1371-1376.