

- Sibbald, A., Carney, J.R. and Marangoni, A.G. 2016. An investigation of mixed molecular compound formation in mixtures of edible fat fractions. *J. Amer. Oil Chem. Soc.* (Printed Online).
- Davidovich-Pinhas, M., Barbut, S. and Marangoni, A.G. 2016. Development, characterization and utilization of food grade polymer oleogels. *Ann. Rev. Food Sci. Technol.* 7:4.1–4.27.**
- Wang, F.C., Gravelle, A.J., Blake, A.I. and Marangoni, A.G. 2016. Novel Trans Fat Replacement Strategies. *Current Opinion in Food Science* 7: 27-34.
- Wang, F.C., Peyronel, M.F. and Marangoni, A.G. 2016. Phase diagram of glycerol monostearate and sodium stearyl lactylate. *Crystal Growth and Design* 16: 297–306.**
- Wang, F.C. and Marangoni, A.G. 2016. Microstructural basis for water release from glycerol monostearate structured emulsions upon transformation from the a-gel to the coagel phase. *Food Structure* 7: 1-5.
- Wang, F.C., Challacombe, C. and Marangoni, A.G. 2016. Effect of the addition of palm stearin and storage temperatures on the thermal properties of glycerol monostearate-structured emulsions. *Food Research International*. 79: 29-32.
- Wang, F.C. and Marangoni, A.G. 2016. A Comparative Study of the Rheological and Sensory Properties of a Petroleum-Free and a Petroleum-Based Cosmetic Cream *Journal of Cosmetic Science* (In Press).
- Thilakarathna, S.H., Rogers, M.A., Lan, Y., Huynh, S., Marangoni, A.G., Robinson, L.E., and Wright, A.J. 2016. Investigations of in vitro bioaccessibility from interesterified stearic acid-rich blends. *Food and Function* 7: 1932-1940.
- Ramel, P.R and Marangoni, A.G. 2016. Engineering the microstructure of milk fat by blending binary and ternary mixtures of its fractions. *RSC Advances* 6: 41189 - 41194.
- Macias-Rodriguez, B. and Marangoni, A.G. 2016. Physicochemical and rheological characterization of roll-in shortening. *J. Amer. Oil Chem. Soc.* Volume 93: 575-585.
- Peyronel, F., Campos, R., and Marangoni, A.G. 2016. Stabilization of Palm Oil Mid Fraction/ Palm Olein Blends using a High Behenic acid Stabilizer. *Food Research International* (Printed Online).
- Macias-Rodriguez, B. and Marangoni, A.G. 2016. Rheological characterization of triglyceride shortenings. *Rheologia Acta* (Printed Online).**
- Ramel, P., Peyronel, M.F. and Marangoni, A.G. 2016. Preliminary studies on the nanostructure of milkfat. *Food Chemistry* 203: 223-230.
- Barbut, S., Wood, J. and Marangoni, A.G. 2016. Use of organogels to replace animal fat in comminuted meat products. *Meat Science* (Accepted).
- Barbut, S., Wood, J. and Marangoni, A.G. 2016. Effects of organogel hardness and formulation on acceptance of frankfurters. *Journal of Food Science* (Accepted)
- Barbut, S., Wood, J. and Marangoni, A.G. 2016. Reducing saturated fat in breakfast sausage via the use of organogels. *Meat Science* (Accepted).
- Valoppi, F., Calligaris, S. and Marangoni, A.G. 2016. Phase transition and polymorphic behavior of binary systems containing fatty alcohols and peanut oil. *Crystal Growth and Design* (Printed Online).**
- Valoppi, F., Calligaris, S. and Marangoni, A.G. 2016. Structure and physical properties of organogels containing peanut oil and even fatty alcohols from C14OH to C22OH. *European Journal of Lipid Science and Technology* (submitted).
- Tanti, R., Barbut, S. and Marangoni, A.G. 2016. Oil stabilization of natural peanut butter using food grade polymers. *Food Hydrocolloids* (Printed Online)
- Tanti, R., Barbut, S. and Marangoni, A.G. 2016. Hydroxypropyl methylcellulose and methylcellulose structured oil as a replacement for shortening in sandwich cookie creams. *Food Hydrocolloids* (Printed Online)
- Blach, C., Gravelle, A.J., Peyronel, F., Weiss, J., Barbut, S. and Marangoni, A.G.

- Revisiting the crystallization behavior of stearyl alcohol/stearic acid (SOSA) mixtures in edible oil. Royal Society of Chemistry Advances (submitted).
- Guedes, A. M.M., Antoniassia, R., Galdeano, M.C., Grimaldi, R., de Carvalho, M.G., Wilhelm, A.E., Marangoni, A.G. 2016. Physical and chemical characterization of interesterified Brazilian Pequi Oil. *J. Amer. Oil Chem. Soc.* (submitted).
- Gravelle, A.J., Barbut, S. and Marangoni, A.G. 2016. Insight into the mechanism of myofibrillar protein gel stability: Influencing texture and microstructure using a model hydrophilic filler. *Food Hydrocolloids* (Printed online).
- Gravelle, A.J., Marangoni, A.G. and Barbut, S. 2016. Filled myofibrillar protein gels: Improving cooking loss and texture with model filler particles. *Food Structure* (submitted).
- Gravelle, A.J., Davidovich-Pinhas, M., Barbut, S. and Marangoni, A.G. 2016. Influencing the crystallization behavior of binary mixtures of stearyl alcohol and stearic acid (SOSA) using ethylcellulose. *Food Research International* (submitted).
- Ramel, P., Co, E.D., Acevedo, N.A. and Marangoni, A.G. 2016. Nanoscale structure and functionality of fats. *Progress in Lipid Research* (Invited Review, submitted).**
- Wang, F.C. and Marangoni, A.G. 2016. Emulsifier alpha-gels. *J. Colloid and Interface Science* (Invited Review, Submitted)**
- Acevedo, N.C. and Marangoni, A.G. 2016. Is there a relationship between molecular diffusion of triglycerides and bulk oil loss? *Royal Society of Chemistry Advances* (submitted)
- Yoshikawa, H.Y., Pink, D.A., Acevedo, N.C., Peyronel, F., Marangoni, A.G. and Tanaka, M. 2016. Mechanical Response of Single Triacylglycerol Spherulites by Using Microcolloidal Probes. *Chemistry and Physics of Lipids* (submitted).
- Rogers, M.A. and Marangoni, A.G. Kinetics of 12-Hydroxyoctadecanoic Acid SAFin Crystallization Rationalized using Hansen Solubility Parameters. *Langmuir* (submitted).**
- Winkelmeyer, C.B., Peyronel, F., Weiss, J. Marangoni, A.G. 2016. Monitoring tempered dark chocolate using ultrasonic spectrometry. *Food and Bioprocess Technology* (Printed Online).
- Ramel, P., Marangoni, A.G. 2016. Characterization of the crystal structure of milk fat within processed cheese products. *Food Structure* (submitted).
- O'Sullivan, C., Barbut, S. and Marangoni, A.G. 2016. Edible oleogels for the oral delivery of lipid soluble molecules: composition and structural design considerations. *Trends in Food Science and Technology* (submitted).**
- Moorthy, A., Liu, R., Mazzanti, G.F., Wesdorp, L.H. and Marangoni, A.G. 2016. Estimating thermodynamic properties of pure triglyceride systems using the Triglyceride Property Calculator. *J. Amer. Oil Chem. Soc.* (submitted).
- Moorthy, A., Liu, R., Mazzanti, G.F., Wesdorp, L.H. and Marangoni, A.G. 2016. Model optimization and sensitivity analysis of Wesdorp's model implemented in the Triglyceride Property Calculator. *J. Amer. Oil Chem. Soc.* (submitted).
- Moorthy, A. and Marangoni, A.G. 2016. An R-package for estimating Young's Modulus from Texture Profile Analysis data. *J. Food Engineering* (submitted)
- ***Mensink, R.P., Sanders, T. A., Baer, D.J. Hayes, K.C., Howles, P.N., Marangoni, A. 2016. The Increasing Use of Interesterified Lipids in the Food Supply and Their Effects on Health Parameters. *Advances in Nutrition* 7 (4) (In Press).**
- Macias-Rodriguez, B., Acevedo, N.C. and Marangoni, A.G. 2016. Entropy-mediated modulation of the yield stress of polycrystalline triglyceride networks. *Scientific Reports* (In preparation).
- Marangoni, A.G., Benevuto, R. and Peyronel, M.F. 2016. The phase space of fat crystallization. (In Preparation).
- Nicholson, R., Moorthy, A., Marangoni, A.G. and Barbut, S. 2016. Particle reinforced whey protein matrix composite. *Food Hydrocolloids* (In Preparation).
- Nicholson, R., Moorthy, A., Marangoni, A.G. and Barbut, S. 2016. Particle reinforced caseinate matrix composite. *Food Hydrocolloids* (In Preparation)

BOOK: Marangoni, A.G., Co, E.D. 2017. *Kinetic Analysis of Food Systems*. Springer, N.Y, USA.