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Prairie View, TX 77446

**Position Title:** Associate Professor  
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Education:	Degree and Area of Study	Institution Name	Degree Date
	PhD - Food Science	The University of Newcastle, Australia	2013
	M.S. - Food Science & Technology	Shiraz University, Iran	2000
	B.S. - Food Science & Technology	Ferdowsi University, Iran	1997

Professional Experience	Position Title	Institution Name	Position Dates (Beginning and End)
	Associate Professor	Prairie View A&M University	2020-present
	Research Scientist	Prairie View A&M University	2017-2020
	Postdoctoral Researcher	University of California Davis	2013-2017
	Graduate Research Assistant	The University of Newcastle, Australia	2009-2013
	Laboratory Technician	The University of Newcastle, Australia	2006-2007
	Visiting Researcher	London Metropolitan University, UK	2005

**Professional Publications:**

**Journal Articles**

**Barouei, J.**, Martinic A., Bendiks, Z., Mishchuk, D., Heeney, D., Slupsky, C. M., and Marco M. L. 2023. Type 2 resistant starch and Lactiplantibacillus plantarum NCIMB 8826 result in additive and interactive effects in diet-induced obese mice. *Nutrition Research*, 118: 12-28. <https://doi.org/10.1016/j.nutres.2023.07.003>

Moussavi, M., **Barouei, J.**, Evans, C., Adams, M. C., and Baines, S. 2023. Viability and in vitro gastrointestinal transit tolerance of multispecies probiotic combinations incorporated into orange juice and drinking water. *Foods*, 12, 2249. <https://doi.org/10.3390/foods12112249>

Moussavi, M., Cuskelly, A., Jung, Y., Hodgson, D. M. **Barouei, J.** 2023. Maternal Probiotic Intake Attenuates Ileal CRH Receptor Gene Expression in Maternally Separated Rat Offspring. *Bioscience, Biotechnology, and Biochemistry*, 87(3): 308-313, <https://doi.org/10.1093/bbb/zbac199>

Moussavi, M., Lieberman, V., Theofel, C., **Barouei, J.** & Harris L. J. 2019. Growth of Salmonella and other foodborne pathogens on inoculated inshell pistachios during simulated delays between hulling and drying. *Journal of Food Protection*, 82(5): 815–825.

Moussavi, M., Lieberman, V., Theofel, C., **Barouei, J.** & Harris L. J. 2019. Growth of Salmonella

- on inoculated in-hull pistachios during postharvest handling. *Journal of Food Protection*, 82(2): 217-225.
- Heeney, D., Zhai, Z., Bendiks, Z., **Barouei, J.**, Slupsky, C., Martin, R. & Marco, M. L. 2018. *Lactobacillus plantarum* bacteriocin is associated with intestinal and systemic improvements in diet-induced obese mice and maintains epithelial barrier integrity in vitro. *Gut Microbes*, 2018 Nov 8:1-16. doi: 10.1080/19490976.2018.1534513.
- Martinic, A., **Barouei, J.**, Bendiks, Z., Mishchuk, D., Heeney, D., Martin, R., Marco, M. L. & Slupsky, C. 2018. Supplementation of *Lactobacillus plantarum* in the context of a high fat diet improves intestinal barrier function and systemic metabolism. *J Proteome Res.* 17(8): 2790–2802.
- Lambertini, E., **Barouei, J.**, Schaffner, D. W., Danyluk, M. D., Harris, L. J. 2017. Risk of salmonellosis from consumption of pistachios produced in the United States. *Food Microbiology*, 67: 85–96.
- Barouei, J.**, Bendiks, Z., Martinic, A., Mishchuk, D., Heeney, D., Hsieh, Y., Kieffer, D., Marin, R., Slupsky, C. & Marco, M. L. 2017. Microbiota, metabolome, and immune alterations in obese mice fed a high fat diet containing type 2 resistant starch. *Molecular Nutrition and Food Research*, 61(11): 1700184.
- Barouei, J.**, Moussavi, M. & Hodgson, D. M. 2015. Perinatal maternal probiotic intervention impacts immune responses and ileal mucin mRNA expression in a rat model of irritable Bowel syndrome. *Beneficial Microbes.* 6(1): 83-95.
- Yavarmanesh, M., Sohrabi Balssini, M., Edalatian Dovom, M. R., Ghiamati Yazdi F. & **Barouei, J.** 2014. Inclusion of dietary zeolite reduces aflatoxin B1 levels in household bread waste used as cattle feed. *Current Nutrition & Food Science*, 10(2): 107-111.
- Zouikr, I., Tadros, M. A., **Barouei, J.**, Beagley, K. W., Clifton, V. L., Callister, R. J. & Hodgson, D. M. 2014. Altered nociceptive, endocrine, and dorsal horn neuron responses in rats following a neonatal immune challenge. *Psychoneuroendocrinology.* 41: 1-12
- Barouei, J.**, Moussavi, M. & Hodgson, D. M. 2012. Effect of maternal probiotic intake on HPA-axis, immunity and gut microbiota in a rat model of irritable bowel syndrome. *PLoS ONE* 7(10): e46051.
- Stevenson, R. J., Hodgson, D., Oaten, M. J., Moussavi, M., Langberg, R., Case, T. I., & **Barouei, J.** 2012. Disgust elevates core body temperature and up-regulates certain oral immune markers. *Brain, Behavior, and Immunity*, 26(7): 1160–1168.
- Barouei, J.**, Karbassi, A., Ghoddusi, H. B., Mortazavi, A. Ramezani, R. and Moussavi, M. 2011. Impact of native *Lactobacillus paracasei* subsp *paracasei* and *pediococcus* spp as adjunct cultures on sensory quality of Iranian white brined cheese. *International Journal of Dairy Technology*, 64: 526–535.
- Stevenson, R. J., Hodgson, D., Oaten, M. J., **Barouei, J.** and Case, T. I. 2010. The effect of disgust on oral immune function. *Psychophysiology*, 48: 900–907.
- Barouei, J.**, Adams, M. C. and Hodgson, D. M. 2009. Prophylactic role of maternal administration of probiotics in intestinal and immune dysfunctions induced by neonatal stress. *Medical Hypotheses*, 73: 764–767.
- Stevenson, R. J., Case, T. I., Hodgson, D., Porzig-Drummond, R., **Barouei, J.** & Oaten, M. J. 2009. A Scale for measuring hygiene behavior: development, reliability and validity. *American Journal of Infection Control*, 37(7): 557–564.
- Mohebbi, M., **Barouei, J.** Akbarzadeh-T, M. R., Rowhanimanesh, A. R., Habibi-N, M.B. and Yavarmanesh, M. 2008. Modelling and optimization of viscosity in enzyme modified cheese by fuzzy logic and genetic algorithm. *Computer and Electronics in Agriculture*, 62(2): 260–265.
- Yavarmanesh, M., Najafi, M. B. H., Mortazavi, A., **Barouei, J.** 2008. Application of commercial immunoassay (ELISA) technique for determination of hepatitis A antigen (HAV) in raw milk. *Food Control*, 19(6): 551–556.
- Barouei, J.**, Karbassi, A., Ghoddusi, H. B. and Mortazavi, A. 2008. Lactic microflora present in

Liqvan ewe's milk cheese. *International Journal of Food Properties*, 11(2): 407–414.

Mortazavi, A., Ghandi, A., **Barouei, J.** and Moussavi, M. 2007. Diversity of lactic acid bacteria isolated from Kurdish ewe's milk cheese. *Australian Journal of Dairy technology*, 62(3): 185–190.

Mortazavi, S. A., Maskooki, M. A., Ghandi, A., Koocheki, A., **Barouei, J.** 2005. Effect of high isostatic pressure on metabolic activities and morphology of *Saccharomyces cerevisiae*. *Iranian Journal of Food Science & Technology*, 2(3): 81–94.

Yavarmanesh, M., Mortazavi, A., Nassiri-Mahallati, M. and **Barouei, J.** 2005. Possibility of diagnosis of hepatitis a virus (HAV) in milk by ELISA technique. *Iranian Food Science & Technology Research Journal*, 1(1): 53–59.

#### **Non-Peer- Reviewed Publications**

**Barouei, J.**, Frelka, J., Harris, L. J., Marks, B., Mashiana, R. and Theofel, C. 2018. Guidelines for using *Enterococcus faecium* NRRL B-2354 as a surrogate microorganism in pistachio process validation. Ver. 1.0, October 7, 2018. University of California- Davis, UC Food Safety. <http://ucfoodsafety.ucdavis.edu/files/292321.pdf>

Ranadheera, S., Hodgson, D. and **Barouei, J.** 2016. 'What is the gut microbiota and how does it affect mind and body?', *The Conversation*, <https://theconversation.com/explainer>

#### **Additional Trainings/Skills:**

Produce Safety Train-the-Trainer Certified, Produce Safety Alliance (PSA)

Preventive Control Qualified Individual (PCQI) Certified, Almond Board of California

Acidified Foods Manufacturing School, University of California, Davis

Better Process Control School, University of California, Davis

Laboratory Animal Care and Use: mice and rats, University of California, Davis

Research animal training scheme. TUNRA, The University of Newcastle, Newcastle, Australia