

Juliana Calil Brondani, PharmD., MSc., Ph.D.

EDUCATION

University of Georgia

Athens, GA

- Ph.D. in Pharmaceutical and Biomedical Sciences, Spring 2023

Federal University of Santa Maria

Santa Maria, Rio Grande do Sul, Brazil

- M.S. in Pharmaceutical Sciences, 2016
- Pharm. D., 2014

DIRECTORY INFORMATION

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TEACHING AND RESEARCH INTERESTS

Human physiology, pharmacology, anatomy, and pathophysiology, focusing on integrating foundational science with clinical relevance to enhance student understanding and critical thinking. Research interests center on infectious diseases, pharmaceuticals, and cancer biology, with an emphasis on translational approaches that bridge molecular mechanisms and therapeutic innovation.

PUBLICATIONS

Submitted

- **Brondani, J. C.**, Nune, M., Afful, D., Galloway, N., Neidle, E., Momany, C. FinR, a LysR-type transcriptional regulator involved in sulfur homeostasis with homologs in diverse microorganisms.
- Faccin, F.C., Gay, L.C., Regmi, D., Compton, S., Mejias, T.D., **Brondani, J.C.**, Howerth, E.W., Rajao, D.S., Palomares, R.A., Perez, D.R. Experimental infection and viral pathogenesis of a human isolate of H5N1 highly pathogenic avian influenza strain in Jersey cows.

Selected Refereed Journal Articles

- **Brondani, J. C.**, Afful, D., Nune, H., Hart, J., Cook, S., Momany, C. Overproduction, Purification, and Transcriptional Activity of Recombinant *Acinetobacter baylyi* ADP1 RNA Polymerase Holoenzyme. *Protein Expression and Purification* (2023).
- **Brondani, J. C.**, De Lima, R., Machado, M. M., Manfron, M. P. Determination of phytochemical composition, cytotoxicity, genotoxicity, and mutagenicity of the hydroethanolic extract of *Dolichandra unguis-cati* L. leaves in human leukocytes. *Journal of Herbal Medicine* (2020).
- De Lima, R., **Brondani, J. C.**, Dornelles, R. C., Lhamas, C. L., Faccin, H., Silva, C. V., Dalmora, S. L., Manfron, M. P. Anti-inflammatory activity and identification of the *Verbena litoralis* Kunth crude extract constituents. *Brazilian Journal of Pharmaceutical Sciences* (2020).
- Guex, C. G., Reginato, F. Z., De Jesus, P. R., **Brondani, J. C.**, Lopes, G. H. H., Bauermann, L. F. Antidiabetic effects of *Olea europaea* L. leaves in diabetic rats induced by high-fat diet and low-dose streptozotocin. *Journal of Ethnopharmacology* (2019).
- **Brondani, J. C.**, Reginato, F. Z., Brum, E. S., Vencato, M. S., Lhamas, C. L., Viana, C., Da Rocha, M. I. U. M., Bauermann, L. F., Manfron, M. P. Evaluation of acute and subacute toxicity of hydroethanolic extract of *Dolichandra unguis-cati* L. leaves in rats. *Journal of Ethnopharmacology* (2017).
- **Brondani, J. C.**, Cuelho, C. H. F., Marangoni, L. D., De Lima, R., Guex, C. G., Bonilha, I., Manfron, M. P. Traditional usages, botany, phytochemistry, biological activity and toxicology of *Tropaeolum majus* L. - A review. *Blacpma* (2016).