

## REFEREED AND PEER –REVIEWED PUBLICATIONS (last 4 years)

- Myers, C. A., M. E. de Haro Martí, M. **Chahine**, and G. E. Chibisa. 2024. Feeding or pen surface application of Clinoptilolite with different particle sizes: impact on nitrogen utilization and manure ammonia emissions in feedlot cattle. *Journal of Animal Science* (Accepted).
- Ammar, H., Y. M'Rabet, S. Hassen, **M. Chahine**, M. E. de Haro Marti, W. Soufan, S. Andres, S. Lopez, and K. Hosni. 2024. Chemodiversity and antimicrobial activities of Eucalyptus spp. essential oils. *Food Science and Technology*. doi.org/10.1080/23311932.2024.2383318
- Stahl, T., E. Mullin, J. Piñeiro, M. Lunak., **M. Chahine**, and P. Erickson. 2024. Creating models for the prediction of colostrum quantity, quality, and Immunoglobulin G yield in multiparous Jersey Cows from performance in the previous lactation and environmental changes. *Journal of Dairy Science*. S0022-0302(24)00049-3. doi: 10.3168/jds.2023-24209.
- Kholif, A. E., O. A. Olafadehan, G. A. Gouda, M. Fahmy, T. A. Morsy, H. Ammar, H. A. Hamdon and **M. Chahine**. 2024. Turmeric rhizomes reduced in vitro methane production and improved gas production and nutrient degradability. *Animal Biotechnology*. doi.org/10.1080/10495398.2024.2371519
- Kholif, A. E., M. A. Rahman, S. A. H. Abo El-Nor, T. A. Morsy, G. A. Gouda, M. Fahmy and **M. Chahine**. 2024. Efficacy of Salvia Officinalis shrub as a sustainable feed additive for reducing ruminal methane production and enhancing fermentation in ruminants. *Animals* 14(11), 1648 (19 pages). doi.org/10.3390/ani14111648
- Hassan, O. G. A., Hassaan, N. A., A. E. Kholif, **M. Chahine** and G. A. Mousa. 2024. Influence of replacing soybean meal with Nigelia sativa meal on feed intake, digestibility, growth performance, blood metabolites, and antioxidant activity of growing lambs. *Animals* 14(13): 1878 (15 pages) doi.org/10.3390/ani14131878
- Hatzenbuekhler, P., **M. Chahine**, D. Xiaxue, and T. Guang. 2023. Quantification of Feed Crop Supply and Demand in Idaho, 2003–2021. *Western Economic Forum*. Volume 21(1): 30-42.
- Ammar, H., A. E. Kholif, M. Missaoui, H. Zoabi, S. Ghzayel, M. E. de Haro-Martí, I. A. Teixeira, S. Fkiri, M. L. Khouja, M. Fahmy, G. A. Gouda, S. Lopez and **M. Chahine**. 2023. Seasonal Variation in Chemical Composition, Ruminal Fermentation, and Biological Characteristics of Paulownia shan tong: In Vitro Potential Use by Sheep and Goats. *Fermentation*, 210; doi.org/10.3390/fermentation9030210
- Ferreira, F. C. M. Rovai, **M. Chahine**, M. E. de Haro Marti, J. Wenz, J. Dalton, N. Silva-Del-Rio. 2023. Perspectives of dairy employees at the beginning of the COVID-19 pandemic: A survey of health risks and educational needs. *JDS Communications*. Volume 4(3): 186-190. doi: 10.3168/jdsc.2022-0253
- Valldecabres A, J. Wenz, F. C. Ferreira, **M. Chahine**, J. Dalton, M. E. de Haro Marti, M. Rovai, and N. Silva-Del-Río. 2022. Perspective of dairy producers from California, Idaho, South Dakota, and Washington: Health and business implications of the COVID-19 pandemic during the second wave. *Journal of Dairy Science*. 105 (2): 1788-1796.
- Ammar, H., I. Touihri, A. E. Kholif, Y. M. Rabet, R. Jaouadi, **M. Chahine**, M. E. de Haro Marti, E. Vargas-Bello-Pérez, and K. Hosni. 2022. Chemical Composition, Antioxidant, and Antimicrobial Activities of Leaves of Ajuja Iva. *Molecule* 27, no. 20: 7102. doi.org/10.3390/molecules27207102

- Ammar, H., A. E. Kholif, Y. A. Soltan, M. I. Almadani, W. Soufran, A. S. Morsy, S. Ouerghemmi, **M. Chahine**, M. E. de Haro-Marti, S. Hassan, H. Selmi, E. H. Horst, and S. Lopez. 2022. Nutritive Value of Ajuga iva as a Pastoral Plant for Ruminants: Plant Phytochemicals and In Vitro Gas Production and Digestibility. *Agriculture*. 12, 1199. doi.org/10.3390/agriculture12081199
- Jabri, J., H. Ammar, K. Abid, Y. Beckers, H. Yaich, A. Malek, J. Rekhis, A. S. Morsy, Y. A. Soltan, W. Soufan, M. A. ALmadani, **M. Chahine**, M. E. de Haro Marti, M. O. Okla, M. Kamoun. 2022. Effect of Exogenous Fibrolytic Enzymes Supplementation or Functional Feed Additives on In Vitro Ruminal Fermentation of Chemically Pre-Treated Sunflower Heads. *Agriculture*, 12, 696. doi.org/10.3390/agriculture12050696
- Ferreira, G. A. Burch, L. L. Martin, S. L. Hines, G. E. Shewmaker, and **M. Chahine**. 2021. Effect of drought stress on in situ ruminal starch digestion kinetics of corn for silage. *Animal Feed Science and Technology*. *Animal Feed Science and Technology* 279 (115027).
- Ferreira, G., L. L. Martin, C. L. Teets, B. A. Corl, S. L. Hines, G. E. Shewmaker, M. E. de Haro-Marti, and **M. Chahine**. 2021. Effect of drought stress on ruminal neutral detergent fiber digestibility of corn for silage. *Animal Feed Science and Technology* 273 (114803).
- Ammar, H., S. Abidi, M. Ayed, N. Moujahed, M. E. de Haro-Marti, **M. Chahine**, R. Bouraoui, S. Lopez, M. Hatem, and H. Hechlef. 2020. Estimation of Tunisian greenhouse gas emissions from different livestock species. *Agriculture* 2020, 10(11), 562.
- Klaeui, C., M. E. de Haro Marti, **M. Chahine**, and G. E. Chibisa. 2020. Altering the particle size of supplemental zeolite (clinoptilolite): effects on nitrogen utilization and nutrient digestibility in backgrounding cattle. *Translational Animal Science*, Volume 4, Issue Supplement 1, December 2020, Pages S132–S136.
- de Haro Martí, M. E., W. H. Neibling, L. Chen, and **M. Chahine**. 2020. On-farm testing of a zeolite filter to capture ammonia and odors from a dairy manure flushing system. *Trans. of the ASABE*. 63(3).
- Tejeda, H., X. Du, L. Lu, A. Westerhold, and **M. Chahine**. 2020. Investigating factors affecting adoption of Automated Milking Systems (AMS) in Idaho. *Western Economics Forum* 18(2020) Issue no. 2: 24-39.
- Hung, H., C. Tsai, G. Chibisa, **M. Chahine**, and P. Rezamand. 2020. Total tract apparent digestibility, serum fatty acid profile, and productive performances of mid-lactating dairy cows fed with dietary betaine. *Journal of Agricultural Science and Technology*. 11: 237-246.
- Bouajila, A., Ammar, H., **Chahine, M.**, Khouja. M., Hamdi, Z., Khechini, J., Zeidan, A., Salem, M., Ghorbel, A., and Lopez, S. 2020. Changes in phytase activity, phosphorus and phytate contents during grain germination of barley (*Hordeum vulgare* L.) cultivars. *Agroforest System*, 94 (4) pp. 1151-1159
- Tejeda, H., G. Ferreira, **M. Chahine**, and M. de Haro Martí. 2020. Risk assessment and decision-making guidelines for dairy risk management -- Part III. *University of Idaho Extension Bulletin* 954
- Tejeda, H., G. Ferreira, **M. Chahine**, and M. de Haro Martí. 2020. Risk assessment and decision-making guidelines for dairy risk management -- Part II. *University of Idaho Extension Bulletin* 953.