

**Dr Moufida Atigui**

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Dr **Moufida Atigui** is an Associate Professor and a researcher in animal physiology at the Livestock and Wildlife Laboratory, Arid Regions Institute - Medenine.

Dr Moufida Atigui is a graduate of University of Carthage (National Institute of Agriculature Tunis) in 2007 and Master degree in 2009 from the same university. She has a PhD in animal physiology (INAT, Tunsia/ AgroCampus Ouest, Rennes, France) in 2014.

She has been working since 2007 during her first final studies project on machine milking of dairy camels at the Arid Regions Institute. Since then, she has been working on different aspects of animal husbandry and management, mostly on camels but also cattle, goat and sheep as part of research projects. She is an expert of machine milking of dairy animals particularly non bovine dairy species. She has been involved in training camel breeders to intensify their production system and use of machine milking to produce camel milk. She has authored and co-authored over 40 scientific paper mostly on dairy camels. Her work on machine milking of camels made her won the L’Oréal-UNESCO For Women in Science Fellowships for 2015 and Hocine Khateli Award for scientific research in arid regions 2021.

**Research fields**: Different aspects of dairy animals’ intensive management including feeding, milking, hygiene, behavior, welfare, machine milking ability, milk quality control.

**Publications:**

1. Atigui M., Fguiri I., Arroum S., Brahmi M., Ghzaiel B., Hammadi M., 2023. Effect of milking routines and hygiene practices and evolution along the market value chain on raw camel milk quality in Tunisia. Italian Journal of Animal Science, 22:1, 337-346, DOI: [10.1080/1828051X.2023.2188883](https://doi.org/10.1080/1828051X.2023.2188883)
2. Atigui M., Brahmi M., Hammadi I., Marnet P-G., Hammadi M., 2021. Machine milkability of dromedary camels: correlation between udder morphology and milk flow traits. Animals, 11, 2014. https://doi.org/10.3390/ani11072014.
3. Brahmi, M., Atigui, M., Hammadi, I., Portanguen, J., Hammadi, M., Marnet, P., 2021. Oxytocin and cortisol release during suckling, hand-milking and machine milking in camels. Journal of Dairy Research
4. Atigui M., Marnet P.G., Bessalah S., Harrabi H., Khorchani T. and Hammadi M. 2016. Relationship between external and internal udder and teat measurements and milk partitioning in the udder of machine milked camels. Journal of Tropical Animal Health and Production, 48: 935–942.
5. Marnet PG., Atigui M. and Hammadi M. 2016. Developing mechanical milking of camels? Some main steps to take… Journal of Tropical Animal Health and Production, 48: 889–896.
6. Atigui M., Marnet P.G., Barmat A., KhorchaniT. & Hammadi M., 2015. Effects of vacuum level and pulsation rate on milk ejection and milk flow traits in Tunisian dairy camels (Camelus dromedarius). Journal of Tropical Animal Health and Production, 47:201–206.
7. Atigui M., Hammadi M., Barmat A., Farhat M., Khorchani T. & Marnet P.G. 2014. First description of milk flow traits in Tunisian dairy dromedary camels under intensive farming system. Journal of Dairy Research. 81, 173–182.
8. Atigui M., Marnet P.G., Ayeb N., Khorchani T. & Hammadi M. 2014. Effect of changes in milking routine on milking related behaviour and milk removal in Tunisian dairy dromedary camels. Journal of dairy Research, 81, 494–503.
9. Atigui M., Hammadi M. and Khorchani T., 2013. Effects of oestrus on milk yield and composition in Tunisian Maghrebi camels (Camelus dromedarius). Emirate Journal of Food and Agriculture 25 (4): 291-295.
10. M. Atigui, L. Ben Hajsaid, G. Ben Fraj, R. Yahya et M. Kamoun. 2020. Effect of milking settings adjustment on udder health and milkquality in dairy cows. Journal of New Science.