

**Professor Dr. Tahereh Mohammadabadi Bsc, Msc, PhD**  
**Faculty of Animal Science and Food Technology**  
**Agricultural Sciences and Natural Resources University of Khuzestan,**  
**Iran**

**Field and Interests:** *Dairy Products, Camel Milk and Health Complications, Milk and Meat Quality, Animal Science, Gut Microorganisms of Animals, Food Technology, Herbalist,*

She finished her PhD in Iran and has been as a researcher at University of Queensland, Australia; she has attended and presented her works in different conferences in some countries.

She is working as academic member, researcher and teacher since 12 years ago in Faculty of Animal Science and Food Technology, Agricultural Sciences and Natural Resources University of Khuzestan, Iran. She has over 200 published publications, conferences presentations, and scientific projects. She is member of the editorial board and reviewer of some international and national journals.

She has completed some research projects and currently started a project on improving of camel and buffalo milk quality and enhancing of milk medicinal properties.

She isolated some biologic enzymes from gut microorganisms of animals such as tannin degradaing bacteria, lactic acid bacteria and cellulolytic bacteria as probiotics. She currently started to isolate lactic acid bacteria from camel and buffalo milk and fermented products to make commercial probiotics for human health.

She works on production of organic and health animal products such as milk and meat by manipulation of diet in the animal; possible changes in feed of the dairy camel, buffalo and cow by using some additives, plants or seeds to enhance milk quality, medicinal and antioxidants properties and fatty acid profiles which helps in health issues

#### **Accepted ideas in the national events**

- Prepration of some anti-diabetic supplements from camel milk
- Production of anti-viral supplements from camel milk and colostrums (buffalo)

#### **Publications**

#### **Some Articles in the Journals**

Mohammadabadi, T., Noruzi, H.N., Hoseini, S., Direkvandi, E. 2023. Effect of dietary *Conocarpus erectus* leaves and branches on milk yield, quality, antioxidant activity and fatty acid profile, and blood parameters of Najdi dairy goats. *Translational Animal Science*, 7(1), txac172.

Mohammadabadi T, Boyahya A. Milk Lactoferrin: A Nutraceutical Supplement Against Viruses. *Authorea Preprints*; 2023. doi: 10.22541/au.167754962.24802576/v1.

Direkvandi, E. T Mohammadabadi, A Z M Salem. 2021. Influence of three microbial feed additives of *Megasphaera elsdenii*, *Saccharomyces cerevisiae* and *Lactobacillus* sp. on ruminal methane and carbon dioxide production, and biofermentation kinetics. *J Appl Microbiol.* 131(2):623-633.

Jain, R., V Seshiah, N Bhavatharini, R Shoghli, S Davey, et al. 2022. Covid19 toe, a late manifestation of mild SARS-CoV-2 with Diabetes. *Diabetes Research and Clinical Practice*. doi: 10.1016/j.diabres.2022.109342.

Direkvandi, E., Mohammadabadi, T., Dashtizadeh, M., Alqaisi, O., Salem, A.Z.M. 2021. *Lactobacillus plantarum* as feed additive to improvement in vitro ruminal bio fermentation and digestibility of some tropical tree leaves. *Journal of Applied Microbiology*. 131(6). 2739–2747

Mohammadabadi, T. 2022. Camel Milk; A Superfood for Diabetic Patients. *EC Nutrition* 17.6: 7-13.

Azhar, J. Tahereh Mohammadabadi, Masroor Ellahi Babar and Tanveer Hussain. 2020. Article Review: Milk Lactoferrin: A probable immunological agent against SARS-CoV-2. *Basrah J. Agric. Sci.* 33(2): 138-146, 2020.

Mohammadabadi, T. 2021. Camel Milk lactoferrin: Special agent against bacterial infections. *World J Pharm Sci* 2021; 9(3): 155-159.

Mohammadabadi, T., Ghezi, Z., & Vakili, S. T. 2020. Effect of dietary palm kernel on semen quality, reproductive and thyroid hormones and blood chemistry parameters of Arabi rams. *Anim nutrition and feed technology*. 20(1):93.

Mohammadabadi, T., Ghezi, Z., & Vakili, S. T. 2022. The Effect of Palm Kernel Powder on Performance, Microbial Fermentation, Digestibility and Some Blood Parameters of Arabi sheep. 13(4), 511

Mohammadabadi T, Alasadi Magid Hassan and Ali Haider Ibrahim 2021. Effect of dietary supplementation of raw sunflower seeds on the milk production, composition and fatty acid profile of dromedary camels. *Ruminant Science* 10(1):77-80.

Direkvandi, E., Mohammadabadi, T., Chaji, M. et al. Effect of sulfuric acid and molasses on the chemical composition, ruminal fermentation, and digestibility of silage of *Conocarpus erectus* L. tree leaves and branches. *Agroforest Syst* 94, 1601–1609 (2020).

Azhar, J. Tanveer Hussain T. and Tahereh Mohammadabadi. 2021. The overview on anti-cancer effects of milk lactoferrin . *World J Pharm Sci* 2021; 9(5): 135-144.

Mohammadabadi, T. 2021. The camel milk lactoferrin against different viral infections and COVID-19. *Journal of Global Biosciences*. 10(10). 9009-9017

Jolazadeh, A. Mohammadabadi, T., Dehghan-Banadaky, M Chaji, M Garcia Miriam. 2019. Effect of supplementing calcium salts of n-3 and n-6 fatty pregnant acid to nonlactating cows on colostrum composition, milk yield, and reproductive performance of dairy cows. *Animal Feed Science and Technology*. 247: 127-140.

Mohammadabadi, T. 2020. Camel Milk as an Amazing Remedy Against Healthy complications; A Review Article. *Basrah J. Agric. Sci.* 33(2): 125-137, 2020

Mohammadabadi, T. and Tanveer Hussain.2021. Is Camel milk lactoferrin effective against COVID-19. *World J Pharm Sci* 2021; 9(2): 91-97

Tahereh Mohammadabadi. 2020. Camel Milk; An Especial Remedy for Treatment of Autism. *Acta Scientific Agriculture*. 4 (1).

Jolazadeh, A. Mohammadabadi, T., Dehghan-Banadaky, M Chaji, M Garcia Miriam. 2019. Effect of supplementation fat during the last 3 weeks of uterine life and the preweaning period on performance, ruminal fermentation, blood metabolites, passive immunity and health of the newborn calf. *British Journal of Nutrition* (2019), 122, 1346–1358

Harsini Shakarami, M., Mohammadabadi, T., Motamedi, H Sari M and Teimouri Yansari A. 2019. Isolation and identification of cellulolytic bacteria from gastrointestinal tract of Arabian horse and investigation of their effect on the nutritional value of wheat straw. *Journal of Applied Microbiology*. 127(2). 344-353.

Mohammadabadi, T., and S. Hoseini. 2021. Effect of *Malva sylvestris* plant on milk quality and production, liver enzymes and nutrients digestibility of Khuzestani Buffalo. *Journal of Ruminant Research* 9(4). 109-120.

Mohammadabadi, T., Maryam Gheibipour, Hosein Motamedi, Morteza Chaji and Basil A. Abbas.2021. Isolation and identification of tannin-degrading bacteria from deer gut and potency for improving nutritional value of tannin rich plants. *Iranian Veterinary Journal* Vol. 17, No. 1, 2021, 65-75.

Tahereh Mohammadabadi, Alireza Jolazadeh, Zeinab Ghezi. 2020. Effect of Treated *Conocarpus erectus* L. Leaves with *Klebsiella pneumoniae* and *Acinetobacter* as Tannin-Degrading Bacteria on Digestion Activity of Rumen Microorganisms. *Biotechnology in Animal Husbandry*. 36 (1). 1-16.

Mohammadabadi T., Amiri Bakhtiari M. and Alimirzaei P. 2018. Isolation and identification of lactate producing and utilizing bacteria from the rumen of Najdi goats. *Indian Journal of Small Ruminant*. 24(2).

diekvandi, E. Tahereh Mohammadabad and Abdelfattah Z. M. Salem. Oral administration of lactate producing bacteria alone or combined with *Saccharomyces cerevisiae* and *Megasphaera elsdenii* on performance of fattening lambs. *Journal of Applied Animal Research*. 48(1).

Mohammadabadi, T. Harsini Shakarami, M. Elghandour. Mona M.M.Y. Salem Abdelfattah Z.M. 2018. Effect of Natuzyme Enzyme on Fecal Digestion and Fermentation of Wheat Straw and Alfalfa Hay in Arabian Horses. *Journal of Equine Veterinary Science*, Pages 13-17.

Tahereh Mohammadabadi, Morteza Chaji, Ehsan Direkvandi and Othman Alqais.2021. Effect of replacing alfalfa hay with *Leucaena leucocephala* (L. Leucocephala) leaves on in vitro gas production, digestibility and in situ degradability in buffalo. *Acta Scientiarum. Animal Sciences*, 43, e52129. *Iranian Journal of Applied Animal Science* (2021) 11(4), 781-788.

Tahereh Mohammadabadi.2020. Effect of dietary inclusion of mustard plant on lipid profile, thyroid hormones and liver health of Arabi sheep. *Ruminant Science* Vol 8 No 2, p 169-172

Nikbakht S.A. T. Mohammadabadi and K. Mirzadeh. 2021. The Effect of Feeding *Tribulus terrestris* Plant Powder on Growth Performance, Digestibility, Rumen and Blood Parameters of Iranian Arabic Lambs. *Iranian Journal of Applied Animal Research*.

- Dadvar, P. Tahereh Mohammadabadi, M. Sari J. Fayazi. 2019. Investigation of rumen fermentation parameters and some blood metabolites of dromedary camels fed with C3 and C4 forages. *Veterinary Research Forum*. 10 (3).
- Tahereh Mohammadabad, Mojtaba Shaeikh Azadi and Mehdi Babaei. 2020. Effect of diets containing oak kernel on the rumen fermentation and digestibility, blood metabolites and liver enzymes in Khuzestani buffalo. *Indian Journal of Animal Sciences*. 90.
- Tahereh Mohammadabadi and Abdul Raziq Kakar. Comparison of *in vitro* digestibility of diets containing subabul plant as fodder in dromedary camel and cow. *Exploratory Animal and Medical Research*. Vol.9, Issue - 1, 2019, p. 61-66.
- Mohammadabadi T., and Chaji M. 2018. *In vitro* gas production and *in situ* degradation of Mesquite leaves and pods in Arabian camels in Iran. *Journal of Camelid Science*. 11: 49-56.
- Tahereh Mohammadabadi and Morteza chaji. 2019. *In vitro* study of dietary supplementation of *Malva sylvestris* to *Suaeda fruticosa* plant on rumen digestibility and fermentation of and protozoa morphology in one humped camel. *Ruminant Science*. Vol 8 No 1, pp 1-8
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- Dadvar, P. Mohammadabadi, T. Sari M. and Fayazi J. 2016. Ruminant microbial fermentation of dromedary camel in a dual flow continuous culture system using cultivable and pasture forages *Journal of Livestock Science and Technologie*. 4 17-24.
- Shakarami, F. Chaji, M. Eslami, M. Mohammadabadi, T. and Bojarpour. M. 2015. The Comparison of *in vitro* Digestibility of Wheat Straw by Rumen Anaerobic Fungi

of Khuzestan Buffalo and Holstein Cattle. Iranian Journal of Applied Animal Science. 5(2) 285-292.

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Mohammadabadi ,T. and Chaji M. 2011. Effect of exogenous enzyme on *in vitro* fermentation of sesame straw by rumen bacteria culture. Journal of Applied Animal Research. 39 (2). 161-163

Asemi Esfahani M. Chaji M. Eslami M. Mohammadabadi T. and Babai M. 2016. The effect of anise seed powder (*Pimpinella anisum*) on performance, nutrient digestibility and infectious microbes of suckling calf intestine. Journal of Veterinary Research. 71 (1).107-115

Eghbali, H. Mohammadabadi, T. Chaji, M. Bojarpour M. and Eslami M. The effect of Brown seaweed (*Ascophyllum nodosum*) on milk composition, digestibility, fermentation and respiration rate of dairy cow in warm weather of Khuzestan. 2015. Iranian Veterinary Journal. 11.2. 19-32.

## **Papers in Conference**

More than 200 papers in international and national conferences.

## **International and National Presentations**

More than 60 presentations in the International and national conferences, workshops and webinars.

## **Books**

### **English books**

Camel milk; a superfood for diabetes and healthy life, 2022

Milk lactoferrin: Milk lactoferrin: Anti-microbial, anti-viral, anti-cancer and immunomodulatory properties. (under publishing) 2023

### **Translated books**

Direct-Fed Microbials and Prebiotics for Animals Science and Mechanisms of Action 2012

Therapeutic properties of camel milk (Diabetes) 2021

Methodology in study of rumen microorganisms 2020

Bioactive components in milk of the livestock 2012

Dietary phytochemicals and microbes 2012

Plant secondary metabolites 2007

Quantification of tannins in tree and shrub foliage 2003