



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

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

She finished her PhD in Iran and Australia 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 11 years ago in Faculty of Animal Science and Food Technology, Agricultural Sciences and Natural Resources University, Iran.

She has been as supervisor for 10 PhD students and more than 30 Msc students and also guided more than 45 Msc and Phd thesis. She has over 200 published publications, conferences presentations, and scientific projects; **Also some books on phytochemicals and microbes, probiotics, bioactive components in the livestock milk; gut microorganisms of animals, milk lactoferrin and health, anti diabetes properties of camel milk.**

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

- Already working on making some supplements from milk (camel, buffalo or cow) as one strong anti-microbial and anti-viral agent especially against infections
- Making some anti diabetic supplements from camel milk

### **International lectures on the milk (Camel milk)**

- Milk components: anti-microbial agents against infections and COVID-19
- Camel milk components: as anti-microbial agents against infections
- Camel Milk; a nutritious and medicinal superfood for future of the world
- Camel Milk; a superfood for health
- Medicinal value of camel milk
- Camel milk; as a natural superfood for diabetes
- The improving of camel milk composition and fatty acid profile by inclusion of flaxseed in the Arabian camel ration
- Inclusion of olive pulp on production, quality and microbial counts of milk in the dromedary camels

### **Publications**

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

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

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

Jahanzaib Azhar, 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.

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

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

Tahereh Mohammadabadi.2021. The unique effects of camel milk as adjunctive super food on the health. World J Pharm Sci. 9(5): 97-106.

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

Tahereh Mohammadabadi. 2019. Camel Milk; A superfood as a treatment for diabetes. EC Nutrition 14.10 (2019): 922-933.

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

Tahereh Mohammadabadi et al. 2020. Bioactive components in milk of the livestock. Translation of book. Dr Park. Haghshenas publication.

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.

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 ShakaramiHarsini, 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.

Tahereh Mohammadabadi, 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

E. Direkvandi, T. Mohammadabadi, M. Dashtizadeh, O. Alqaisi and A.Z.M. Salem.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.

Ehsan diekvandi, 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).

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

S.A. Nikbakht 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.

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.

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).

Nikbakht, S. A. Tahereh Mohammadabadi and Kh. Mirzadeh.2020. The Effect of Feeding *Tribulus terrestris* Plant Powder on Growth Performance, Digestibility, Rumen and Blood Parameters of Arabi Lambs. Iranian Journal of Applied Animal Science. Accepted.

Tahereh MohammadabadMojtaba 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.2020. Impact of Supplementation of Hemp Seeds (*Cannabis sativa* L.) on *In Vitro* Gas Fermentation Parameters and Digestibility using Foregut Fluid from Dromdary Camel. Basrah Journal of Agricultural Science.33(1).

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.

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

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* (2020).

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.

Mohammadabadi, T., Chaji, M. Uosefi Z. and Tahmasbi R. 2018. Study on Chemical Composition, Digestibility and Ruminal Degradation Parameters of Siris Leaves, Flowers and Pods in One-Humped Camel. *Acta Scientific Agriculture*. 2 Issue 6.

Mohammadabadi, T., Zarei F. Effect of feeding menthe pulegium L. powder on egg quality characteristics and cholesterol value of laying Japanese quails. *Explor Anim Med Res*, 8 1, 2018, p. 26-32

Ansari Kh., Mohammadabadi T., and Sari, M. 2017. The effect of feeding of Albizia lebbeck leaf on fermentation, gas production, digestibility and rumen protozoa of one-humped camel. *Journals of Ruminant Research*. 5(2), <http://ejrr.gau.ac.ir>.

Dadvar, P. Mohammadabadi, T. Sari M. and Fayazi J. 2018. In vitro Fiber Digestibility, Gas Production and Enzyme Activity of Cellulolytic Bacteria of Arabian Camels (Dromedary) Fed Cultivable and Pasture Forage. *Iranian Journal of Applied Animal Science*. 8(3). 527-538

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)

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

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.

Ebadi, M. Mohammadabadi, T. Tabatabaei Vakili, S. Chaji, M. and Mirzadeh, Kh. 2016. The study of the effect of diets containing subabul plant on digestibility and rumen fermentation and some blood parameters of Arabi sheep. 12. 3. *Iranian Veterinary Journal*. 58-68.

Tahmasebi Boldaji, Z., Mohammadabadi, T, Sari, M., Chaji, M. 2016. Study of the effect of dried apple pomace on digestibility, rumination microbiol fermentation

characteristic and blood glucose and urea of arabi sheep. Journal of Veterinary Research. 71(3): 255-262.

Khodadadi I., Mohammadabadi, T., Chaji M and Sari M. 2014. The effect of silybum marianum on digestibility and microbial fermentation of suaeda fruticosa and protozoa morphology in one-humped camel. Animal Science Researches. 42(3).

Masouri, B. Salari, S. Khosravinia, H. Tabatabaei Vakili S.S. and Mohammadabadi T.2015. Effects of dietary Satureja khuzistanica essential oils and  $\alpha$ -tocopherol on productive performance, organ weights, blood lipid constituents and antioxidative potential in heat stressed broiler chicks European Poultry Science.

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.

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.

Aminifard, Z. Chaji M. and Mohammadabadi, T. 2015. The replacement value of corn silage with wild pistachio (Pistacia khinjuk) leaf in the diet of sheep and its effect on digestibility of fiber and protein Journal of Livestock Science and Technologie. 3 (1) 17-23

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

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

## **Papers in Conference**

More than 120 papers in international and national conferences.

## **International and National Presentations**

More than 50 presentations in the conferences, workshops and webinars

### **Books (in persian)**

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

### **English Books**

Milk lactoferrin: An anti-microbial, antiviral and immune modulator agent against  
bacterial and viral infections (in progress, under editing) 2021

Camel milk on Diabetes 2021