



Barbagianni Mariana DVM, PhD

Assistant Professor

Diagnostic Imaging ,

Faculty of Veterinary Medicine, School of Health Sciences, University of Thessaly

224 Trikalon, Karditsa, 43100, Greece

Phone: 0030 6987325059

Email: mabarbag@uth.gr

Scopus Author ID: 55953626500

ORCID: 0000-0003-2541-4237

SHORT CV

Barbagianni Mariana is Assistant Professor at the Faculty of Veterinary Science, University of Thessaly since March 2021. She has born in 1987, in Kozani. She is a graduate of the Veterinary School of the University of Thessaly and a doctorate from the Faculty of Veterinary Science of the same University with postgraduate training in Diagnostic Imaging at the Animal Clinic of the Department of Veterinary Medicine of the Aristotle University of Thessaloniki. She is the author and co-author of 22 scientific publications, with over 80 references and a total h-index of 8. She has participated in more than 43 oral and poster announcements at national and international scientific conferences. She is a reviewer in 2 scientific journals. She has worked as a veterinarian in a pet clinic and in the Department of Veterinary Service of the Region of Thessaly.

RESEARCH INTERESTS

Radiology and Ultrasonography of animals. Ultrasound functional imaging for the diagnosis of mammary diseases. Visual investigation of embryonic development, embryonic programming and intra-uterine restricted growth.

EDUCATION

Ph.D., Veterinary Medicine, University of Thessaly, 2016

Dissertation: Experimental study of pregnancy toxemia in ewes and its association with mastitis in the post partum period.

Dissertation Advisors: G.C. Fthenakis, P.G. Gouletsou, I. Valasi.
D.V.M., Faculty of Veterinary Medicine, University of Thessaly, 2010.

Postgraduate training

Training in diagnostic imaging of sheep respiratory system in training center European College of Small Ruminant Health Management (Nov. 2017)

Training in diagnostic imaging at the Clinic of Small Animal (Imaging Diagnostic Unit of the Department of Veterinary Medicine of the Aristotle University of Thessaloniki (Sep.-Nov. 2019 and 2020)

TEACHING EXPERIENCE

- Assistant Professor, University of Thessaly, 2021
- Teaching lecturer at University of Thessaly Veterinary Department 2020.
- Lecturer at University of Thessaly Veterinary Department 2017-2019.
- Lecturer at University of Ioannina, Department of Agriculture, Direction of Animal Production Arta , 2018-2020.
- Lecturer at Technological Educational Institute of Epirus, Arta, School of Technology of Agriculture and Food Technology, Direction of Animal Production 2016 - 2018

RESEARCH EXPERIENCE

2012-2015: Application of 'omic' technologies for the genetic characterization of indigenous Greek dairy breeds of goats and sheep, for the improvement of their production and for the identification of potential bioactivity of their milk (GOSHOMICS).

2018-2021: Research studies on the use of alternative proteinaceous feeds livestock production aiming to reduce production cost and to apply innovative processes for the production of traditional product with superior quality characteristics (GREEN FEEDS).

2019-2021: Development and application of state-of-the-art method of sex preselection in sheep aiming at the maintenance and increase of genetic base and productivity of high genetic value indigenous sheep breeds (AMNOSELECT).

PUBLICATIONS AND CITATIONS REPORT

Articles in peer-reviewed scientific journals: 22

Chapters in editorial reviewed books: 1

Presentations (Oral, Poster) in scientific meetings: 43

Total citations:80 (Scopus)

h-index: 8 (Scopus)

PUBLICATIONS IN PEER-REVIEWED SCIENTIFIC JOURNALS

V.S. Mavrogianni, E. Papadopoulos, S.A. Spanos, A. Mitsoura, S. Ptochos, D.A. Gougoulis, M.S. Barbagianni, I. Kyriazakis, G.C. Fthenakis (2014) Trematode infections in pregnant ewes can predispose to mastitis during the subsequent lactation period. *Research in Veterinary Science* 96:171-179.

I.G Petridis, P.G Gouletsou, M.S Barbagianni, G.S Amiridis, C. Brozos, I. Valasi, G.C Fthenakis (2014) Ultrasonographic findings in the ovine udder during involution. *Journal of Dairy Research* 81:288-296.

M.S. Barbagianni, E. Giannenas, E. Papadopoulos, I.G. Petridis, S.A. Spanos, P.G. Gouletsou, I. Valasi, G.C. Fthenakis (2015) Pregnancy toxemia in ewes: development of an experimental model and potential interactions with gastrointestinal nematode infections. *Small Ruminant Research* 133:102-107.

M.S. Barbagianni, P.G. Gouletsou, I. Valasi, I.G. Petridis, I. Giannenas, G.C. Fthenakis (2015) Ultrasonographic findings in the ovine udder during lactogenesis in healthy ewes or ewes with pregnancy toxemia. *Journal of Dairy Research* 82:293-303.

M.S. Barbagianni, V.S. Mavrogianni, A.I. Katsafadou, S.A. Spanos, V. Tsioli, A.D. Galatos, M. Nakou, I. Valasi, P.G. Gouletsou, G.C. Fthenakis (2015) Pregnancy toxemia as risk factor for development of mastitis in sheep during the immediately post-partum period. *Small Ruminant Research* 130:246-251.

M.S. Barbagianni, S.A. Spanos, K.S. Ioannidi, N.G.C. Vasileiou, A.I. Katsafadou, I. Valasi, P.G. Gouletsou, G.C. Fthenakis (2016) Increased incidence of peri-parturient problems in ewes with pregnancy toxemia. *Small Ruminant Research* 132:111-114.

M.S. Barbagianni, K.I. Ioannidi, N.G.C. Vasileiou, V.S. Mavrogianni, D.C. Orfanou, G.C. Fthenakis, I. Valasi (2017) Ultrasonographic examination of pregnant ewes: From early diagnosis of pregnancy to early prediction of dystocia. *Small Ruminant Research* 152:41–55.

M.S. Barbagianni, V.S. Mavrogianni, N.G.C. Vasileiou, G.C. Fthenakis, I.G. Petridis (2017) Ultrasonographic examination of the udder in sheep. *Small Ruminant Research* 152:86-99.

K.S. Ioannidi, V.S. Mavrogianni, I. Valasi, M.S. Barbagianni, N.G.C. Vasileiou, G.S. Amiridis, G.C. Fthenakis, D.C. Orfanou (2017) Ultrasonographic examination of the uterus of ewes during the post-partum period. *Small Ruminant Research* 152:74–85.

I.G. Petridis, M.S. Barbagianni, K.S. Ioannidi, E. Samaras, G.C. Fthenakis, E.I. Vloumidi (2017) Doppler ultrasonographic examination in sheep. *Small Ruminant Research* 152:22-32.

I. Valasi, M.S. Barbagianni, K.S. Ioannidi, N.G.C. Vasileiou, G.C. Fthenakis, A. Pourlis (2017) Developmental anatomy of sheep embryos, as assessed by means of ultrasonographic evaluation. *Small Ruminant Research* 152:56-73.

I. Valasi, E.K. Theodosiadou, S. Papadopoulos, M.S. Barbagianni, A. Nanos, S. Spanos, G.C. Fthenakis, S. Chadio (2017) Combined treatment of eCG and a non-selective inhibitor of phosphodiesterases for enhancing reproductive performance in ewes. *Animal Reproduction, Belo Horizonte* 14:1133-1137.

G. Mantziaras, N.G.C. Vasileiou, K.S. Ioannidi, V.S. Mavrogianni, D.A. Gougoulis, G.C. Fthenakis, I.G. Petridis, M.S. Barbagianni (2018) Use of contrast-enhanced ultrasonographic examination to evaluate health status of mammary glands of ewes at the end of a lactation period. *Journal of Dairy Research* 85:39-43.

A.I. Katsafadou, G.Th. Tsangaris, A.K. Anagnostopoulos, C. Billinis, M.S. Barbagianni, N.G.C. Vasileiou, S.A. Spanos, V.S. Mavrogianni, G.C. Fthenakis (2019) Differential quantitative proteomics study of experimental *Mannheimia haemolytica* mastitis in sheep. *Journal of Proteomics* 205:103393.

A.I. Katsafadou, G.Th. Tsangaris, A.K. Anagnostopoulos, C. Billinis, M.S. Barbagianni, N.G.C. Vasileiou, S.A. Spanos, V.S. Mavrogianni, G.C. Fthenakis (2019) Proteomics data of ovine mastitis associated with *Mannheimia haemolytica*. *Data in Brief* 25:104259.

A.I. Katsafadou, A.P. Politis, V.S. Mavrogianni, M.S. Barbagianni, N.G.C. Vasileiou, G.C. Fthenakis, I.A. Fragkou (2019) Mammary defences and immunity against mastitis. *Animals* 9:726.

V. Tsioli, S.A. Spanos, D. Bikiaris, I. Grigoriadou, M.S. Barbagianni, G.C. Fthenakis, L.G. Papazoglou, A.I. Sideri, A.D. Galatos (2019) Comparative evaluation of metallic skin staples

or polypropylene sutures for primary closure of teat wounds in sheep. *New Zealand Veterinary Journal* 67:234-240.

N.G.C. Vasileiou, P.J. Cripps, K.S. Ioannidi, A.I. Katsafadou, D.C. Chatzopoulos, M.S. Barbagianni, V. Tsioli, E. Dermisiadou, E. Karavanis, N. Papadopoulos, D.T. Lianou, V.S. Mavrogianni, E. Petinaki, G.C. Fthenakis (2019) Experimental study for evaluation of the efficacy of a biofilm-embedded bacteria-based vaccine against *Staphylococcus chromogenes*-associated mastitis in sheep. *Veterinary Microbiology* 239:108480.

K.S. Ioannidi, N.G.C. Vasileiou, M.S. Barbagianni, D.C. Orfanou, G. Mantziaras, T.M. Chouzouris, E. Dovolou, D.C. Chatzopoulos, E. Karavanis, N. Papadopoulos, A.I. Katsafadou, I.A. Fragkou, N.G. Kordalis, G.S. Amiridis, G.C. Fthenakis, V.S. Mavrogianni (2020) Clinical, ultrasonographic, bacteriological, cytological and histopathological findings of uterine involution in ewes with uterine infection. *Pathogens* 9:54.

I. Nanas, T.M. Chouzouris, K. Dadouli, E. Dovolou, K. Stamperna, M. Barbagianni, I. Valasi, A. Tsiaras, G. S. Amiridis (2020) A study on stress response and fertility parameters in phenotypically thermotolerant and thermosensitive dairy cows during summer heat stress. *Reproduction in Domestic Animals*. 55 (12), 1774-1783.

I. Nanas, T.M. Chouzouris, E. Dovolou, K. Dadouli, K. Stamperna, I. Kateri, M. Barbagianni, G. S. Amiridis (2021) Early embryo losses, progesterone and pregnancy associated glycoproteins levels during summer heat stress in dairy cows. *Journal of Thermal Biology*, In Press 102951.

Multi-author volume

I. Valasi, I.G. Petridis, M.S. Barbagianni, G.C. Fthenakis (2017). *Ovine Ultrasonography: Use of Ultrasonographic Examination in Sheep Health Management*. *Small Ruminant Research*, 173 pp.

PUBLICATIONS IN PROCEEDINGS OF SCIENTIFIC MEETINGS

In total, 48 publications in proceedings of scientific meetings – oral and poster presentations, with abstract in proceedings, in below meetings:

3rd Greek Veterinary Congress for Farm Animal Medicine & Food Safety (May. 2014; Ioannina, Greece)

2nd European Conference in Small Ruminant Health Management (Oct. 2014; London, United Kingdom).

13th Greek Veterinary Congress (May. 2015; Athens, Greece).

32nd World Veterinary Congress (Sep. 2015; Istanbul, Turkey).

9th Annual Congress of European Proteomics Association (Jun. 2015; Milan, Italy)

18th International Conference on Animal Reproduction (2015; Tours, France),

4th Greek Veterinary Congress for Farm Animal Medicine & Food Safety (May. 2017; Volos, Greece).

9th International Sheep Veterinary Congress & 3rd European Conference in Small Ruminant Health Management (May. 2017; Harrogate, United Kingdom).

14th Greek Veterinary Congress (May. 2018; Thessaloniki, Greece).

Annual meeting of the European College of Small Ruminant Health Management (May. 2018; Thessaloniki, Greece).

Italian Proteomics Association and the Hellenic Proteomics Society International XIV Congress (Jun. 2019; Catanzaro, Italy)

REVIEWER IN SCIENTIFIC JOURNALS

1. Veterinary Sciences
2. Περιοδικό της Ελληνικής Κτηνιατρικής Εταιρείας