

EKATERINI K. THEODOSIADOU
ASSOCIATE PROFESSOR
"ANIMAL PHYSIOLOGY"



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Position: Associate Professor in
"Animal Physiology"

EDUCATION & TRAINING

- DVM, Faculty of Veterinary Medicine, Aristotle University of Thessaloniki, Greece (July 1993).
- PhD, Department of Physiology, Faculty of Veterinary Medicine, Aristotle University of Thessaloniki, Greece (July 2000).
- Postdoctoral researcher, Department of Physiology, Faculty of Veterinary Medicine, Aristotle University of Thessaloniki, Greece (January-December 2002).
- Foreign Languages
English: First Certificate in English, University of Cambridge, 1984.
French: Diplôme d'Études Françaises (2^E Degré), Université de Paris-Sorbonne, 1992.
- Official License for Teaching French Language, 1992.
- Typewriter Knowledge, 1987.
- Computer Knowledge, 1993.

FOUNDATIONS

- Financial support by the Greek State Scholarships Foundation (November 1994-April 1998; PhD; exams: March 1994).
- Financial support by the Greek State Scholarships Foundation (January-December 2002; postdoctoral research).

PROFESSIONAL ACTIVITIES

- Postgraduate fellow, Department of Physiology, Faculty of Veterinary Medicine, Aristotle University of Thessaloniki, Greece (November 1993-1994).
- PhD student, Department of Physiology, Faculty of Veterinary Medicine, Aristotle University of Thessaloniki, Greece (November 1994-July 2000; founded by the Greek State Scholarships Foundation, November 1994-April 1998).
- Work contract for the needs of the research project: *“Breed and sex differences in the secretion of FSH and LH from sheep’s pituitary gland (Greek breeds)”* [PENED ’95, 716/3.1.; General Secretariat for Research and Technology, European Commission; 1998-2000; 10.000.000 Drachmas; Leader: Full Researcher Sofia Belibasaki, Veterinary Research Institute (V.R.I.) of Thessaloniki, National Agricultural Research Foundation (N.AG.RE.F.), Greece].
- Laboratory/Scientific Associate (hourly-paid, private interest contract) for the Laboratory Exercises in *“Farm Animal Physiology”*; students of the 2nd semester (October 2000-July 2012) and Scientific Associate (hourly-paid, private interest contract) for the Laboratory Exercises in *“Farm Animal Reproduction”*; students of the 4th semester (November 2003-February 2008), Department of Animal Production, Alexander Technological Educational Institute (A.T.E.I.) of Thessaloniki, Greece.
- Postdoctoral fellow, Department of Physiology, Faculty of Veterinary Medicine, Aristotle University of Thessaloniki, Greece (July 2000-December 2001).
- Postdoctoral researcher, Department of Physiology, Faculty of Veterinary Medicine, Aristotle University of Thessaloniki, Greece (January-December 2002; founded by the Greek State Scholarships Foundation).
- Work contract for the needs of the research project: *“Effect of pollutants and anthelmintic drugs in the reproductive system of farm animals”* [ARCHIMEDES, EPEAEK II; 3rd Community Support Programme; May 2004-August 2008; 55.186 €; Leader: Professor Panagiotis Goulas, Department of Animal Production, Technological Educational Institute (T.E.I.) of Larissa, Greece].
- Work contract for the needs of the research project: *“Effect of thyroid hormones on reproduction of indigenous breeds of sheep”* [ARCHIMEDES II (17453/06/09/05), EPEAEK II; 3rd Community Support Programme; September 2005-September 2008; 55.000 €; Leader: Assistant Professor Dimitrios Kantas, Department of Animal Production, Technological Educational Institute (T.E.I.) of Larissa, Greece].
- Lecturer in *“Animal Physiology”*, Department of Physiology, Faculty of Veterinary Science, School of Health Sciences, University of Thessaly, Karditsa, Greece (September 2006-June 2014).
- Assistant Professor in *“Animal Physiology”*, Department of Physiology, Faculty of Veterinary Science, School of Health Sciences, University of Thessaly, Karditsa, Greece (June 2014-February 2018).
- Head of the Department of Physiology, Faculty of Veterinary Science, School of Health Sciences, University of Thessaly, Karditsa, Greece (2015-present).
- Assistant Professor (tenure) in *“Animal Physiology”*, Department of Physiology, Faculty of Veterinary Science, School of Health Sciences, University of Thessaly, Karditsa, Greece (February 2018-July 2020).
- Associate Professor in *“Animal Physiology”*, Department of Physiology, Faculty of Veterinary Science, School of Health Sciences, University of Thessaly, Karditsa, Greece (July 2020-present).

TEACHING

Undergraduate

- **Laboratory exercises** [Department of Physiology, Faculty of Veterinary Medicine, Aristotle University of Thessaloniki, Greece (October 1994-June 2002); contribution]:
 - Physiology I (3rd semester)
 - Physiology II (4th semester).
- **Laboratory exercises** [Department of Animal Production, Alexander Technological Educational Institute (A.T.E.I.) of Thessaloniki, Greece]:
 - Farm Animal Physiology (2nd semester; October 2000-July 2012)
 - Farm Animal Reproduction (4th semester; November 2003-February 2008).
- **Lectures and Laboratory exercises** [Department of Physiology, Faculty of Veterinary Science, School of Health Sciences, University of Thessaly, Karditsa, Greece (October 2006-present)]:
 - October 2006-June 2017
 - Physiology I (3rd semester)
 - Physiology II (4th semester)
 - February 2017-present
 - Physiology I: Physiology of the cell, nervous system and sensory organs, muscular, cardiovascular, respiratory and digestive system (2nd semester)
 - Physiology II: Physiology of the urinary, endocrine, male and female genital system, placenta, mammary gland, skin, thermoregulation, fluid and acid-base balance and behaviour (3rd semester).

Postgraduate

- **Lectures and Laboratory exercises** [Department of Animal Production, School of Agricultural Technology, Technological Educational Institute (T.E.I.) of Thessaly, Larissa, Greece, Programme of Postgraduate Studies: *“Modern Technologies in the Primary Sector and Environmental Management”*, Direction: *“Modern Methods for Increasing Livestock Productivity”* (November 2016-June 2017 and November 2017-June 2018)]:
 - Reproductive Physiology (1st semester)
 - Applied Reproduction (2nd semester).
- **Lectures and Practical training, after invitation** [*“Training School in Artificial Insemination”*, 9-24 May 2019, Veterinary Research Institute (V.R.I.) of Thessaloniki, Hellenic Agricultural Organization (H.A.O.) - Demeter, Greece]:
 - Collection and evaluation of ram semen (Lectures, 13 May 2019)
 - Semen collection of rams (Practical training, 14 May 2019).

ADMINISTRATIVE ACTIVITIES

- Member of the General Assembly, Faculty of Veterinary Science, University of Thessaly, Greece (September 2006-present).
- Member of various Committees of the Faculty of Veterinary Science, University of Thessaly, Karditsa, Greece [graduate admission, student affairs, quality assurance,

animal welfare, Greek study guide of 2010, PhD studies, internet, etc. (September 2006-present)].

- Member of the European Society for Domestic Animal Reproduction (ESDAR).
- Member of the Federation of the European Laboratory Animal Association (FELASA).
- Member of the Hellenic Veterinary Medical Society (farm animals' branch).
- Member of the Hellenic Veterinary Association (HVA).
- Member of the Geotechnical Chamber of Greece (GEOT.E.E.).

RESEARCH

Interests

Physiology/Physiopathology and Endocrinology of male and female farm animal's reproduction (especially small ruminants):

- Hormones concentrations, hormones assessments (RIA, ELISA) in biological fluids (blood plasma/serum, cervical mucus, follicular fluid, seminal plasma, etc), cells (oocytes, spermatozoa, embryos, etc), tissues (genital tract, etc), role of hormones, breed and sex differences, correlation with proteolytic enzymes activity (acrosin, plasminogen activators, plasminogen activators inhibitors, plasmin inhibitors, etc), influences from various factors (hormones, vitamins, age, season of the year, etc), influences from various substances that can act as "*endocrine disruptors*" (pollutants, drugs, toxins, etc), *in vivo* and *in vitro*.
- Proteolytic enzymes activity (plasminogen activators, plasminogen activators inhibitors, plasmin inhibitors, etc), activity assessments (phasmatophotometrically) in biological fluids (cervical mucus, follicular fluid, seminal plasma, etc), cells (oocytes, spermatozoa, embryos, etc), tissues (genital tract, etc), role of enzymes, breed and sex differences, correlation with hormones concentrations, influences from various factors (hormones, vitamins, age, season of the year, etc), influences from various substances that can act as "*endocrine disruptors*" (pollutants, drugs, toxins, etc), *in vivo* and *in vitro*.
- Sperm physiology, macroscopic and microscopic sperm examination [concentration, viability, motility, morphological abnormalities of spermatozoa (head, tail, mid-piece), examination of chromatin integrity and fertilizing ability of spermatozoa using fluorescence detection, etc], capacitation and acrosome reaction of spermatozoa, sperm diluents and extenders, sperm conservation and cryopreservation, assessments of acrosin activity (phasmatophotometrically) in spermatozoa, role of acrosin, influences from and correlations with various factors, *in vivo* and *in vitro*.
- Natural oestrus, oestrous synchronization, superovulation, effects of induced oestruses in the genital tract (hormones, enzymes, DNA, RNA, proteins, etc), differences between natural and induced oestruses, artificial insemination, differences with natural mating.
- *In vitro* cultures of cells (FSH- and LH-cells, oocytes, embryos, etc), embryos cryopreservation.
- Presence, role, assessments and effects of various substances that can act as "*endocrine disruptors*" (pollutants, drugs, toxins, etc) at hormones concentrations and proteolytic enzymes activity, *in vivo* and *in vitro*.

- Presence, role, assessments and effects of various endogenous and exogenous antioxidant substances at hormones concentrations and proteolytic enzymes activity, *in vivo* and *in vitro*.

Projects

1. Member of the research team of the project: "*The effect of melatonin implants on acrosin activity in spermatozoa of the ram*" [Research Committee, Technological Educational Institute (T.E.I.) of Larissa, Greece; 1994-1996; Leader: Professor Panagiotis Goulas, Department of Animal Production, T.E.I. of Larissa, Greece].
2. Member of the research team of the project: "*Breed and sex differences in the secretion of FSH and LH from sheep's pituitary gland (Greek breeds)*" [PENED '95, 716/3.1., General Secretariat for Research and Technology, European Commission; 1998-2000; 10.000.000 Drachmas; Leader: Full Researcher Sofia Belibasaki, Veterinary Research Institute (V.R.I.) of Thessaloniki, National Agricultural Research Foundation (N.AG.RE.F.), Greece]. In this project I participated with work contract.
3. Member of the research team of the project: "*Synchronized oestrus in Karagouniki breed of ewes*" [Research Committee (151/16/2/1999), Technological Educational Institute (T.E.I.) of Larissa, Greece; 1999-2001; Leader: Professor Panagiotis Goulas, Department of Animal Production, T.E.I. of Larissa, Greece].
4. Member of the research team of the project: "*Effect of synchronized oestrus on: a) oestrogens and progesterone receptors at the genital tract, b) oestrogens and progesterone concentrations at the genital tract, c) histology of the genital tract, d) DNA, RNA and protein concentrations at the genital tract, of the ewe*" [National Agricultural Research Foundation (N.AG.RE.F.) (17109/18/12/2000), Greece; 2000-2005; Leader: Full Researcher Sofia Belibasaki, Veterinary Research Institute (V.R.I.) of Thessaloniki, N.AG.RE.F., Greece].
5. Postdoctoral research: "*Effect of Vitamin E on oestrogens and progesterone concentrations in blood and cervical mucus, as well as on specific proteolytic enzymes activity in cervical mucus during oestrus (natural and synchronized) of ewes*" (Greek State of Scholarships Foundation; January-December 2002; Supervisor: Professor Athanasios Smokovitis, Department of Physiology, Faculty of Veterinary Medicine, Aristotle University of Thessaloniki, Greece).
6. Member of the research team of the project: "*Effects of pollutants and anthelmintic drugs in the reproductive system of farm animals*" [ARCHIMEDES, EPEAEK II, 3rd Community Support Programme; May 2004-August 2008; 55.186 €; Leader: Professor Panagiotis Goulas, Department of Animal Production, Technological Educational Institute (T.E.I.) of Larissa, Greece]. In this project I participated with work contract.
7. Member of the research team of the project: "*Effect of the hormonal treatment for oestrus synchronization or superovulation on the uterine fluid composition of the ewe*" [National Agricultural Research Foundation (N.AG.RE.F.) (2970/13/05/2004), Greece; May 2004-September 2008; 880 €; Leader: Associate Researcher Foteini Samartzi, Veterinary Research Institute (V.R.I.) of Thessaloniki, N.AG.RE.F., Greece].
8. Member of the research team of the project: "*Effect of thyroid hormones on reproduction of indigenous breeds of sheep*" [ARCHIMEDES II (17453/06/09/05), EPEAEK II, 3rd Community Support Programme; September 2005-2008; 55.000 €; Leader: Assistant Professor Dimitrios Kantas, Department of Animal Production, Technological Educational Institute (T.E.I.) of Larissa, Greece]. In this project I participated with work contract.

9. Member of the research team of the project: "*CSN1S2 (as₂-casein) genetic polymorphism characterization in two indigenous goat breeds, Skopelos and Karystos breeds*" [Research Committee (3552/01/07/07), University of Thessaly; July 2007-2010; 1.447 €; Leader: Lecturer Katerina Manolakou, Faculty of Veterinary Science, University of Thessaly, Karditsa, Greece].
10. Leader of the research team of the project: "*Effect of albendazole in the fertilizing ability of ram spermatozoa, in vitro*" [Research Committee (3553/01/07/07, 3553.01-17/06/10), University of Thessaly, Greece; July 2007-December 2010; 1.440 €].
11. Member of the research team of the project: "*Study of new protocols for oestrus synchronization combined with fixed time artificial insemination in ewes of indigenous breeds*" (Research Committee, University of Thessaly; September 2010-August 2012; 3.333 €; Leader: Lecturer Irene Valasi, Faculty of Veterinary Science, University of Thessaly, Karditsa, Greece).
12. Project Partner (Team leader: FVS - ERA 83/03) at SEE-ERA.NET PLUS (ERA 83): "*Sustainable production of traditional cheeses from local sheep milk, in the Balkans: 1. Improved reproductive management of indigenous-sheep-breeds populations, 2. Ensuring of traditional cheeses hygiene and quality*" [European Commission and National contributions (of the countries participated in the SEE-ERA.NET PLUS consortium); October 2010-December 2012; 130.914 €; Co-ordinator: Associate Researcher Foteini Samartzi, Veterinary Research Institute (V.R.I.) of Thessaloniki, N.AG.RE.F., Greece].
13. Projet Partenaire (Co-responsable scientifique du projet - Responsable scientifique de l'équipe grecque): "*Protocoles non-hormonaux de la reproduction des chèvres et l'amélioration de la production laitière*" [TROUPEAUF-REPRO, le code BECO-2011-75-U-56115FT110, financé par l'Agence Universitaire de la Francophonie (AUF); décembre 2011-2013; 30.430 €; Responsable scientifique: Professeur Associé Juraj Grizelj, Faculté de Médecine Vétérinaire, Université de Zagreb, Croatie].
14. Member of the research team of the project: "*Study of the effect of selective or non-selective inhibitors of phosphodiesterases on reproductive performance of indigenous ewes and goats*" (Research Committee, University of Thessaly; June 2013-May 2015; 2.000 €; Leader: Lecturer Irene Valasi, Faculty of Veterinary Science, University of Thessaly, Karditsa, Greece).
15. Member of the research team of the project: "*A preliminary study on cryopreservation of bovine semen at high dilution rates (50-100 dilution folds) for low-dose artificial insemination (AI) from elite bulls or sex-sorted semen samples*" [Certificate No: 74597; September 2013-2020; Co-operation project between the Faculty of Veterinary Medicine, Institute of Reproduction, Skopje, F.Y.R.o.M., the Veterinary Research Institute (V.R.I.) of Thessaloniki, the Alexander Technological Educational Institute (A.T.E.I.) of Thessaloniki and the Department of Physiology, Faculty of Veterinary Science, Karditsa; Co-ordinator: Dr Tarek A.A. Khalifa, EquiBiotech Inc Research Services in Farm Animal Breeding, Thessaloniki, Greece].
16. Projet Partenaire (Co-responsable scientifique du projet - Responsable scientifique de l'équipe grecque): "*L'optimisation des paramètres de reproduction, de génétique et de santé pour l'amélioration de la production des troupeaux de chèvres*", financé par le Bureau Europe Centrale et Orientale (BECO) de l'Agence Universitaire de la Francophonie (AUF); septembre 2016-décembre 2017; 31.090 €; Responsable scientifique: Professeur Associé Juraj Grizelj, Faculté de Médecine Vétérinaire, Université de Zagreb, Croatie.

SCIENTIFIC SEMINARS - WORKSHOPS

Organization

1. «*L'atelier de la spermatologie des petits ruminants*», activité 9 du projet: "*Protocoles non-hormonaux de la reproduction des chèvres et l'amélioration de la production laitière*" - TROUPEAUF-REPRO, le code BECO-2011-75-U-56115FT110, financé par l'Agence Universitaire de la Francophonie (AUF). Organization: Département de la Physiologie, Faculté de Médecine Vétérinaire, Université de Thessalie, Karditsa, la Grèce [Responsable: Lectrice Ekaterini Theodossiadou, (co-responsable scientifique du projet - responsable scientifique de l'équipe grecque), en collaboration avec l'Institut de la Recherche Vétérinaire (V.R.I.) de Thessalonique, 14-16 février 2013, à Thermi de Thessalonique, la Grèce].

Pendant l'atelier, ont été présentés des nouvelles techniques pour l'évaluation de l'intégrité de la chromatine des spermatozoïdes des petits ruminants (orales présentations et laboratoires exercices).

2. L'atelier titré: «*Nouveaux techniques pour évaluer la fécondité de la semence*», dans le cadre du projet : «*L'optimisation des paramètres de reproduction, de génétique et de santé pour l'amélioration de la production des troupeaux de chèvres*», financé par le Bureau Europe centrale et orientale (BECO) de l'Agence Universitaire de la Francophonie (AUF). Organization: Département de la Physiologie, Faculté de Médecine Vétérinaire, Université de Thessalie, Karditsa, la Grèce [Responsable: Professeur Assisté Ekaterini Theodossiadou (co-responsable scientifique du projet - responsable scientifique de l'équipe grecque)], en collaboration avec l'Institut de la Recherche Vétérinaire (V.R.I.) de Thessalonique, 21-23 septembre 2017, à Thermi de Thessalonique, la Grèce.

Pendant l'atelier, ont été présentés des activités de l'équipe grecque au projet: «*Le rôle des antioxydants sur différents paramètres reproductifs (B - Grèce)*», des nouvelles techniques pour l'évaluation de la fécondité de la semence des petits ruminants et de test de fixation des spermatozoïdes à la zone pellucide de l'ovule (orales présentations et laboratoires exercices).

Participation

1. "*Protection of Laboratory Animals - Use of Laboratory Animals in Clinical Research and Diagnosis - Alternative Methods (1st cycle)*". Organization: Faculty of Veterinary Medicine, Aristotle University of Thessaloniki in collaboration with the General Veterinary Assembly of the Ministry of Agriculture and the Theagenio Anticancer Hospital, 6-17 December 1993, Thessaloniki, Greece.
2. "*Protection of Laboratory Animals - Use of Laboratory Animals in Clinical Research and Diagnosis - Alternative Methods (2nd cycle)*". Organization: Faculty of Veterinary Medicine, Aristotle University of Thessaloniki in collaboration with the General Veterinary Assembly of the Ministry of Agriculture, the Theagenio Anticancer Hospital, the University of Utrecht and the FELASA (Federation of the European Laboratory Animal Association), 9-20 January 1995, Thessaloniki, Greece. (Participation with oral presentation)
3. 7th Dermatology Conference of Companion Animals: "*Otitis in dog and cat*". Organization: Hellenic Society of Veterinary Dermatology, 8-9 May 2010, Faculty of Veterinary Medicine, University of Thessaly, Karditsa, Greece. (Participation with oral presentation, after invitation)

4. SEE-ERA.NET PLUS (ERA-83): *“Ultrasonographic study of follicular development in Lesvos ewes”*. Organization: Associate Researcher Foteini Samartzi (Co-ordinator of the project), Veterinary Research Institute (V.R.I.) of Thessaloniki team (VRI, ERA-83/01), in collaboration with the Faculty of Veterinary Medicine, University of Thessaly, Karditsa team (FVS, ERA-83/03) and the Faculty of Veterinary Medicine, University of Zagreb, Croatia team (VEF, ERA-83/02), 22-25 June 2012, Veterinary Research Institute (V.R.I.) of Thessaloniki, Diavata, Thessaloniki, Greece. [Participation as Team Leader of the FVS team (ERA-83/03)]
5. SEE-ERA.NET PLUS (ERA-83): Organization: Professor Miodrag Lazarević, Faculty of Veterinary Medicine, University of Belgrade, Serbia (FVM-Belgrade, ERA 83/05), 10 July 2012, Belgrade, Serbia. [Participation as Team Leader of the FVS team (ERA-83/03), with oral presentation]
6. *«Protocoles non-hormonales de la reproduction des chèvres et l'amélioration de la production laitière»*, activité 1 du projet: *«Protocoles non-hormonales de la reproduction des chèvres et l'amélioration de la production laitière»* - TROUPEAUF-REPRO, le code BECO-2011-75-U-56115FT110, financé par l'Agence Universitaire de la Francophonie (AUF). Organization: Professeur Associé Juraj Grizelj (Responsable Scientifique du projet), Faculté de Médecine Vétérinaire, Université de Zagreb, Croatie, 10-14 septembre 2012, Zagreb, Croatie. (Participation comme responsable scientifique de l'équipe grecque, avec présentation orale)
7. *«Coopération Universitaire Multilatérale Francophonie en Europe Centrale et Orientale»* de *«Symposium des Projets Financés par l'AUF»*. Organization: Agence Universitaire de la Francophonie (AUF), 18-19 mars 2013, Târgoviste, Roumanie. (Participation comme co-responsable scientifique du projet financé par l'AUF: *«Protocoles non-hormonales de la reproduction des chèvres et l'amélioration de la production laitière»* - TROUPEAUF-REPRO, le code BECO-2011-75-U-56115FT110, avec présentation orale et poster présentations)
8. *«La détection des marqueurs génétiques»*, activité 7 et *«La détection de la corrélation entre les loci de QTL et la production laitière»*, activité 8 du projet: *«Protocoles non-hormonales de la reproduction des chèvres et l'amélioration de la production laitière»* -TROUPEAUF-REPRO, le code BECO-2011-75-U-56115FT110, financé par l'Agence Universitaire de la Francophonie (AUF). Organization: Professeur Assisté Valentina Petcu (co-responsable scientifique du projet), Faculté d'Élevage et Biotechnologie, Université Agraire d'Etat de Moldova, Chisinau, Moldavie, 27-29 juin 2013, Chisinau, Moldavie. (Participation comme responsable scientifique de l'équipe grecque)
9. *«Programme d'initiation à l'Insémination animale caprine et au contrôle de la reproduction»*, activité 4 du projet: *«Protocoles non-hormonales de la reproduction des chèvres et l'amélioration de la production laitière»* - TROUPEAUF-REPRO, le code BECO-2011-75-U-56115FT110, financé par l'Agence Universitaire de la Francophonie (AUF). Organization: CAPGENES, Dr Pascal Boué, Directeur de CAPGENES, 27-30 août 2013, Poitiers, France. (Participation comme responsable scientifique de l'équipe grecque)

SCIENTIFIC CONFERENCES

International

1. 26th World Veterinary Congress (WVA), 23-26 September 1999, Lyon, France.
2. 4th Annual Conference of the European Society for Domestic Animal Reproduction (ESDAR), 23-25 November 2000, Prague, Czech Republic.

3. 6th International Conference of the European Society for Domestic Animal Reproduction (ESDAR), 12-14 September 2002, Parma, Italy.
4. 15th International Congress on Animal Reproduction (ICAR), 8-12 August 2004, Porto Seguro, BA-Brazil.
5. 8th Conference of the European Society for Domestic Animal Reproduction (ESDAR), 23-25 September 2004, Warsaw, Poland.
6. 6th International Sheep Veterinary Congress, 17-21 June 2005, Hersonissos, Crete, Greece.
7. 10th Conference of the European Society for Domestic Animal Reproduction (ESDAR), 7-9 September 2006, Portoroz-Lipica, Slovenia.
8. 10th International Symposium on Spermatology, 17-22 September 2006, Madrid, Spain.
9. 16th International Congress on Animal Reproduction (ICAR), 13-17 July 2008, Budapest, Hungary.
10. 12th Annual Conference of the European Society for Domestic Animal Reproduction (ESDAR), 20-23 November 2008, Utrecht, The Netherlands.
11. 13th Annual Conference of the European Society for Domestic Animal Reproduction (ESDAR), 9-12 September 2009, Ghent, Belgium.
12. 14th Annual Conference of the European Society for Domestic Animal Reproduction (ESDAR), 15-18 September 2010, Eger, Hungary.
13. IDF International Symposium on Sheep, Goat and other non-Cow Milk. IDF Dairy Science and Technology Week, 2011, 16-18 May 2011, Athens, Greece.
14. International Congress: "*Days of Veterinary Medicine*", organized by the Faculty of Veterinary Medicine, University of Skopje, 9-11 September 2011, Ohrid, F.Y.R.o.M..
15. International Congress: "*Veterinary Science and Profession*", organized by the Faculty of Veterinary Medicine, University of Zagreb, 3-4 October 2011, Zagreb, Croatia.
16. Symposium: "*Reproduction on domestic animals*", organized by the Faculty of Veterinary Medicine, University of Belgrade, 13-16 October 2011, Divčibare, Serbia.
17. 16th Annual Conference of the European Society for Domestic Animal Reproduction (ESDAR), 29 August - 1 September 2012, Dublin, Ireland.
18. Conference: "*Sustainable production of traditional cheeses from local sheep milk, in the Balkans: 1. Improved reproductive management of indigenous-sheep-breeds populations 2. Ensuring of traditional cheeses hygiene and quality*", SEE-ERA.NET PLUS (ERA-83; Final Meeting), Veterinary Research Institute (V.R.I.) of Thessaloniki, 14 December 2012, Thessaloniki, Greece.
19. 31st Annual Meeting of the European Embryo Transfer Association (AETE), 11-12 September 2015, Ghent, Belgium.
20. 32nd World Veterinary Congress, 13-17 September 2015, Istanbul, Turkey.
21. 19th Annual Conference of the European Society for Domestic Animal Reproduction (ESDAR), 17-19 September 2015, Albena, Bulgaria.
22. 18th International Congress on Animal Reproduction (ICAR), 26-30 June 2016, Le Vinci in Tours, France.
23. 20th Annual Conference of the European Society for Domestic Animal Reproduction (ESDAR), 27-29 October 2016, Lisbon, Portugal.
24. 9th International Sheep Veterinary Congress, 22-26 May 2017, Harrogate, England.

25. Annual Meeting of the European College of Small Ruminant Health Management (ECSRHM), 12 May 2018, Thessaloniki, Greece.
26. 23rd Annual Conference of the European Society for Domestic Animal Reproduction (ESDAR), 19-22 September 2019, St Petersburg, Russia.
27. 25th Annual Conference of the European Society for Domestic Animal Reproduction (ESDAR), 28 September - 2 October, Thessaloniki, Greece.

Greek

1. 4th Greek Farm Animal Veterinary Congress, 24-26 February 2005, Thessaloniki, Greece.
2. Congress: *"Sheep breeding in Lesvos"*, organized by the Hellenic Society of Animal Production (EZE), 26-27 May 2005, Lesvos, Greece.
3. 1st Greek Veterinary Congress for farm animal medicine, food safety and hygiene & consumer protection, 14-16 March 2008, Athens, Greece.
4. 2nd Pan-Hellenic Congress in Technology of Animal Production, 30 June - 1 July 2008, Larissa, Greece.
5. 11th Greek Veterinary Congress, 19-22 March 2009, Athens, Greece.
6. 2nd Greek Veterinary Congress for Farm animal medicine, Food safety and hygiene, Consumer protection, 18-20 March 2011, Thessaloniki, Greece.
7. 12th Greek Veterinary Congress, 5-8 April 2012, Athens, Greece.
8. 27th Annual Scientific Congress of the Hellenic Society of Animal Production (EZE), 3-5 October 2012, Trikala, Greece.
9. 4th Pan-Hellenic Congress in Technology of Animal Production, 8 February 2013, Thessaloniki, Greece.
10. 3rd Greek Veterinary Congress for Farm Animals & Food Hygiene, 2-4 May 2014, Ioannina, Greece.
11. 13th Greek Veterinary Congress, 8-10 May 2015, Athens, Greece.
12. 30th Annual Scientific Congress of the Hellenic Society of Animal Production (EZE), 14-16 October 2015, Giannitsa, Greece.
13. 31st Annual Scientific Congress of the Hellenic Society of Animal Production (EZE), 5-7 October 2016, Serres, Greece.
14. 6th Pan-Hellenic Congress in Technology of Animal Production, 3 February 2017, Thessaloniki, Greece.
15. 4th Greek Veterinary Congress for Farm Animals & Food Hygiene, 12-14 May 2017, Volos, Greece.
16. 1st Pan-Hellenic Congress: *"Climate Change. Local government & Thessaly in front of the global challenge"*, organized by the Regional Association of Thessaly Municipalities, 9 & 10 June 2017, Karditsa, Greece.
17. 14th Greek Veterinary Congress & Annual Meeting ECSRHM, 11-13 May 2018, Thessaloniki, Greece.
18. 33rd Annual Scientific Congress of the Hellenic Society of Animal Production (EZE), 3-5 October 2018, Preveza, Greece.

OTHER SCIENTIFIC ACTIVITIES

- External examiner of PhD theses [Panagiota Mamali (School of Veterinary Medicine, Aristotle University of Thessaloniki, Greece, 4 June 2008); Aikaterini Saratsi (School

of Veterinary Medicine, Aristotle University of Thessaloniki, Greece, 9 June 2008); Georgios Kourousekos (School of Veterinary Medicine, Aristotle University of Thessaloniki, Greece, 20 October 2008); Thomas-Markos Chouzouris (Faculty of Veterinary Science, University of Thessaly, Karditsa, Greece, 29 June 2018); Ioannis Margaritis (Faculty of Veterinary Medicine, Aristotle University of Thessaloniki, Greece, 26 May 2020)].

- Reviewer in the Journal of the Hellenic Veterinary Medical Society (JHVMS), in the Acta Veterinaria Eurasia and in Animals.
- ERASMUS LLP/Programs - Bilateral agreement for mobility of staff, students and graduate students, between the Faculty of Veterinary Medicine, Zagreb, Croatia and the Faculty of Veterinary Science, University of Thessaly, Karditsa, Greece (2013-2014 and 2014-2020).
- The Department of Physiology of the Veterinary Medicine in Karditsa was the Host Institution for two (2) professors (Associate Professor Juraj Grizelj and Assistant Professor Sylvijo Vince) from the Clinic of Obstetrics and Reproduction of the Veterinary Faculty of Zagreb, Croatia, from 26 to 30 May 2014, as a part of the ERASMUS LLP/Programs - Staff mobility for teaching. The lectures and the laboratory exercises (20 hours in total/person at undergraduate students) concerned Physiology of reproduction in small ruminants, horse and dog.

INVITATIONS

- Review article in a book.
- Oral presentation at a conference's workshop.
- Oral presentation at a scientific workshop.
- Postgraduate teaching.

PUBLICATIONS

Monograph - PhD thesis

1. **Ekaterini K. Theodosiadou:** *The effect of breed, blood plasma testosterone and season of the year on acrosin activity in spermatozoa of the ram.*
PhD thesis, Department of Physiology, Faculty of Veterinary Medicine, Aristotle University of Thessaloniki, Greece, July 2000.

Book chapter (after invitation)

1. Milk Composition Disturbance and Animal Organism Dysfunction Caused by Aflatoxins: A Review. Georgios D. Kourousekos and **Ekaterini K. Theodosiadou.** In: *"Milk Fat Composition, Nutritional Value and Health Implications"*. Linda B. Rudd (Editor), Nova Science Publishers, Inc, New York, U.S.A., pp. 1-26, 2013.

Review articles in international peer-reviewed journals

1. The application of *in vitro* fertilization techniques for the evaluation of ram fertility. S. Papadopoulos, **E. Theodosiadou**, D. Kantas, I. Valasi. *Journal of the Hellenic Veterinary Medical Society*, **66(2)**: 63-69, 2015.
2. Effects of aflatoxins on male reproductive system: A review. Kourousekos G.D., **Theodosiadou E.K.** *Journal of the Hellenic Veterinary Medical Society*, **66(4)**: 201-210, 2015.

Research articles in international peer-reviewed journals

1. The effect of melatonin implants on blood testosterone and acrosin activity in spermatozoa of the ram. N. Kokolis, **E. Theodosiadou**, M. Tsantarliotou, C. Rekkas, P. Goulas and A. Smokovitis. *Andrologia*, **32(2)**: 107-114, 2000.
2. The presence of environmental pollutants in the follicular fluid of farm animals (cattle, sheep, goats, and pigs). A. Kamarianos, X. Karamanlis, P. Goulas, **E. Theodosiadou**, A. Smokovitis. *Reproductive Toxicology*, **17(2)**: 185-190, 2003.
3. The presence of environmental pollutants in the semen of farm animals (bull, ram, goat, and boar). A. Kamarianos, X. Karamanlis, **E. Theodosiadou**, P. Goulas, A. Smokovitis. *Reproductive Toxicology*, **17(4)**: 439-445, 2003.
4. Oestrogen and progesterone concentrations in plasma and oviductal tissue of ewes exhibiting a natural or induced oestrus. **E. Theodosiadou**, P. Goulas, Th. Kouskoura, A. Smokovitis. *Animal Reproduction Science*, **80(1-2)**: 59-67, 2004.
5. Quantitative determination of albendazole metabolites in sheep spermatozoa and seminal plasma by liquid chromatographic analysis with fluorescence detection. G.C. Batzias, **E. Theodosiadou**, G.A. Delis. *Journal of Pharmaceutical and Biomedical Analysis*, **35(5)**: 1191-1202, 2004.
6. Synchronization of Ovulation and Fixed Time Intrauterine Insemination in Ewes. C Deligiannis, I Valasi, CA Rekkas, P Goulas, **E Theodosiadou**, T Lainas and GS Amiridis. *Reproduction in Domestic Animals*, **40(1)**: 6-10, 2005.
7. Effect of Porcine and Ovine FSH on Nuclear Maturation of Pig Oocytes *In Vitro*. F Samartzi, I Tsakmakidis, **E Theodosiadou** and E Vainas. *Reproduction in Domestic Animals*, **43(2)**: 153-156, 2008.
8. Influence of the injection site on the pharmacokinetics of amoxicillin after intramuscular administration of a conventional and a long-acting formulation in sheep. G. Delis, G. Batzias, **E. Theodosiadou**, G. Kounenis and M. Koutsoviti-Papadopoulou. *Journal of Veterinary Pharmacology and Therapeutics*, **32(5)**: 457-464, 2009.
9. Peripheral distribution of amoxicillin in sheep and influence of local inflammation. Georgios A. Delis, Maria Koutsoviti-Papadopoulou, **Ekaterini Theodosiadou**, Georgios Kounenis, Georgios C. Batzias. *The Veterinary Journal*, **185(3)**: 310-316, 2010.
10. Effects of aflatoxin B1 administration on Greek indigenous goats' milk. Georgios D. Kourousekos, **Ekaterini Theodosiadou**, Sofia Belibasaki, Konstantinos Deligiannis, Theodoros Koukoulas, Konstantinos Zoulfos, Aristotelis G. Lymberopoulos. *International Dairy Journal*, **24(2)**: 123-129, 2012.
11. Association of soybean-based extenders with field fertility of stored ram (*Ovis aries*) semen: A randomised double-blind parallel group design. Tarek Khalifa, Aristotelis Lymberopoulos, **Ekaterini Theodosiadou**. *Theriogenology*, **79(3)**: 517-527, 2013.
12. Endocrinological profile and follicular development in cyclic ewes subjected to repeated ovum pick-up. I. Valasi, **E. Theodosiadou**, G.C. Fthenakis, T. Papanikolaou, C. Deligiannis, D. Kalogiannis, S. Chadio, G.S. Amiridis. *Animal Reproduction Science*, **138(3-4)**: 180-187, 2013.
13. Relationship between electrical resistance of cervical mucus and ovarian steroid concentration at the time of artificial insemination in ewes. Short communication. **Ekaterini Theodosiadou**, Georgios S. Amiridis, Theodora Tsiligianni. *Reproductive Biology*, **14(3)**: 234-237, 2014.

14. Effects of Addition of Tissue-Type Plasminogen Activator in *In Vitro* Fertilization Medium on Bovine Embryo Development and Quality. F Krania, E Dovolou, CA Rekkas, **EK Theodosiadou**, I Pappas and GS Amiridis. *Reproduction in Domestic Animals*, **50(1)**: 112-120, 2015.
15. Determination of the proper time for mating after oestrous synchronisation during anoestrous or oestrous by measuring electrical resistance of cervical mucus in ewes. **E. Theodosiadou**, T. Tsiligianni. *Veterinarni Medicina*, **60(2)**: 87-93, 2015.
16. Effect of prolonged aflatoxin B₁ administration on blood serum oestradiol-17 β and progesterone concentrations of goats during the anoestrus period. G.D. Kourousekos, **E.K. Theodosiadou**, A.G. Lymberopoulos, S. Belibasaki, C. Boscós. *Czech Journal of Animal Science*, **60(4)**: 164-170, 2015.
17. Hare demography, physiology and European Brown Hare Syndrome virus infection: is there an association? C. Sokos, A. Touloudi, C. Iakovakis, K. Papaspyropoulos, A. Giannakopoulos, P. Birtsas, V. Spyrou, **E. Theodosiadou**, I. Valasi, A. Sfougaris & C. Billinis. *Journal of Zoology*, **298(2)**: 150-157, 2016.
18. Fertility rate of short-term progestagen pretreated ewes in relation to breed: A field study. Papadopoulos S., Deligiannis C., **Theodosiadou E.K.**, Kantas D., Lainas Th., Goulas P., Fthenakis G.C., Valasi I. *Journal of the Hellenic Veterinary Medical Society*, **68(1)**: 035-044, 2017.
19. Combined treatment of eCG and a non-selective inhibitor of phosphodiesterases for enhancing reproductive performance in ewes. Irene Valasi, **Ekaterini K. Theodosiadou**, Serafeim Papadopoulos, Mariana S. Barbagianni, Apostolos Nanos, Stavros Spanos, Georgios C. Fthenakis, Stella Chadio. *Animal Reproduction*, **14(4)**: 1133-1137, 2017.
20. Effect of aflatoxin B₁ on blood serum oestradiol-17 β and progesterone concentrations during the luteal phase and the synchronized oestrus of goats. Georgios D. Kourousekos, **Ekaterini K. Theodosiadou**, Aristotelis G. Lymberopoulos, Sofia Belibasaki, Constantin Boscós. *Animal Reproduction*, **15(1)**: 75-83, 2018.
21. Effects of Melatonin Administration to Pregnant Ewes under Heat-Stress Conditions, in Redox Status and Reproductive Outcome. Efterpi Bouroutzika, Dimitrios Kouretas, Serafeim Papadopoulos, Aristidis S. Veskoukis, **Ekaterini Theodosiadou**, Sotiria Makri, Charilaos Paliouras, Marios-Lazaros Michailidis, Mariangela Caroprese and Irene Valasi. *Antioxidants (Basel)*, **9(3)**: 266, 2020.
22. Effect of equine chorionic gonadotropin on glycosidase activity in the reproductive tract of ewes, in relation to ovarian response and embryo yield. Foteini Samartzi, **Ekaterini K. Theodosiadou**, Constantinos A. Rekkas, Aikaterini Saratsi, Aristotelis G. Lymberopoulos, Emmanouel Vainas, Theodora Tsiligianni. *Small Ruminant Research*, **191**: 106186, 2020.
23. Association of Melatonin Administration in Pregnant Ewes with Growth, Redox Status and Immunity of Their Offspring. Efterpi Bouroutzika, Maria Giovanna Ciliberti, Mariangela Caroprese, **Ekaterini Theodosiadou**, Serafeim Papadopoulos, Sotiria Makri, Zoi-Vasiliki Skaperda, Georgios Kotsadam, Marios-Lazaros Michailidis, George Valiakos, Stella Chadio, Dimitris Kouretas, Irene Valasi. *Animals*, **11(11)**: 3161, 2021.
24. Plasminogen activator activity and plasminogen activator inhibition in the uterus of ewes after the induction of oestrus synchronization or superovulation, involving eCG. Foteini Samartzi, **Ekaterini K. Theodosiadou**, Emmanouel Vainas, Aikaterini

Saratsi, Theodora Tsiligianni, Constantinos A. Rekkas. *Small Ruminant Research*, **210**: 106672, 2022.

25. Redox Status of Pregnant Ewes after Vaccination against Clostridial Diseases. Evaggelos-Georgios Stampinas, Efterpi Bouroutzika, Panagiotis D. Katsoulos, Georgios Valiakos, **Ekaterini K. Theodosiadou**, Labrini V. Athanasiou, Sotiria Makri, Demetrios Kouretas, Irene Valasi. *Vaccines*, **10(6)**: 898, 2022.
26. Redox Status and Hematological Variables in Melatonin-Treated Ewes during Early Pregnancy under Heat Stress. Efterpi V. Bouroutzika, **Ekaterini K. Theodosiadou**, Mariana S. Barbagianni, Serafeim Papadopoulos, Dimitrios Kalogiannis, Stella Chadio, Zoi Skaperda, Demetrios Kouretas, Eleni G. Katsogiannou, Irene Valasi. *Veterinary Sciences*, **9(9)**: 499, 2022.

Research articles in national peer-reviewed journals

1. Europski Znanstveni Projekti: INDI_SHEEP TRADI_CHEESE, europski istra-živački projekt: održiva proizvodnja tradicionalnih sireva od mlijeka lokalnih pasmina ovaca u regiji: 1) poboljšanje reproduktivnog managementa populacija autohtonih pasmina ovaca, 2) osiguranje higijene i kakvoće sira. J. Grizelj, S. Vince, Branimira Ževrnja, T. Dovenski, Lidija Kozačinski, M. Lazarević, **Ekaterini Theodosiadou** i Foteini Samartzi. *Veterinarska Stanica*, **43(2)**: 183-187, 2012.

Research articles in proceedings of conferences (peer-reviewed)

1. Sheep Hygiene. P. Mamali, G.C. Batzias, **Aik. Theodosiadou**, P. Goulas. Oral presentation at the Conference entitled: "Sheep breeding in Lesvos", organized by the Hellenic Society of Animal Production (EZE), 26-27 May 2005, Lesvos, Greece. *Special Issue (EZE)*, pp. 55-57, 2005.
2. Presence of the anthelmintic drug albendazole in the reproductive system of the ewe during oestrus. P. Mamali, G.C. Batzias, **Aik. Theodosiadou**, F. Samartzi, P. Goulas. Oral presentation at the 2nd Pan-Hellenic Congress in Technology of Animal Production, 30 June - 1 July 2008, Larissa, Greece. *Proceedings*, pp. 54-57, 2008.
3. Održiva Proizvodnja Tradicionalnih Sireva na Balkanu od Mleka Autohtonih Ovaca - SEE-ERA.NET PLUS Projekt [Sustainable production of traditional cheeses from local sheep milk, in the Balkans - SEE-ERA.NET PLUS Project]. Lazarević Miodrag, Mijačević Zora, Grizelj Juraj, Kozačinski Lidija, Dovenski Toni, Sekulovski Pavle, **Theodosiadou Ekaterini**, Rekkas A Constantine, Zdragas Antonios, Samartzi Foteini, Milovanović Alexander. Oral Presentation at the Symposium: "Reprodukcija Domaćih Životinja [Reproduction on domestic animals]", organized by the Faculty of Veterinary Medicine, University of Belgrade, 13-16 October 2011, Divčibare, Serbia. Beograd: *Naučna KMD*, pp. 175-179, 2011.
4. Fertility is influenced by the time of fixed time artificial insemination in short term progestagen pretreated ewes. S. Papadopoulos, I. Valasi, C. Deligiannis, **E. Theodosiadou**, D. Kantas, P. Goulas. 4th Pan-Hellenic Congress in Technology of Animal Production, 8 February 2013, Thessaloniki, Greece. *Proceedings*, pp. 409-414, 2013.

Abstracts in proceedings of international conferences (peer-reviewed)

1. Breed and sex differences in the secretion of FSH and LH from sheep's pituitary gland *in vitro*. M. Kazemzadeh-Vasilaki, S. Kourletaki-Belibasaki, E. Vainas, **E. Theodosiadou**, and A. Smokovitis. Oral presentation at the 26th World Veterinary Congress (WVA), 23-26 September 1999, Lyon, France.

2. Breed and sex differences in the secretion of FSH and LH from the pituitary gland and steroid hormones from the gonads of the sheep *in vivo*. Kourletaki-Belibasaki S, **Theodosiadou E** and Smokovitis A. 4th Annual Conference of the European Society for Domestic Animal Reproduction (ESDAR), 23-25 November 2000, Prague, Czech Republic. *ESDAR Newsletter*, **5**: 42, October 2000.
3. Oestrogens and progesterone concentrations in the oviductal wall by the end of the natural oestrus in ewe: Correlation with blood plasma oestrogens and progesterone. Disturbances induced by oestrus synchronization. Kouskoura T, **Theodosiadou E**, Goulas P and Smokovitis A. 4th Annual Conference of the European Society for Domestic Animal Reproduction (ESDAR), 23-25 November 2000, Prague, Czech Republic. *ESDAR Newsletter*, **5**: 42-43, October 2000.
4. The effect of breed, blood plasma testosterone and season of the year on acrosin activity in spermatozoa of the ram. **Theodosiadou E**, Kourletaki-Belibasaki S, Alexaki-Tzivanidou E, Kokolis N and Smokovitis A. 4th Annual Conference of the European Society for Domestic Animal Reproduction (ESDAR), 23-25 November 2000, Prague, Czech Republic. *ESDAR Newsletter*, **5**: 60, October 2000.
5. Presence of the Anthelmintic Drug Albendazole in Ram Semen. GC Batzias, **E Theodosiadou**, G Mamali and A Smokovitis. 6th International Conference of the European Society for Domestic Animal Reproduction (ESDAR), 12-14 September 2002, Parma, Italy. *Reproduction in Domestic Animals*, **37(4)**: 225, August 2002.
6. The Effect of Oestradiol-17 β and Progesterone Concentrations found in the Oviduct of Ewe during Natural and Synchronized Oestrus on the Motility of Ram Spermatozoa. S Belibasaki, **E Theodosiadou**, G Mamali and A Smokovitis. 6th International Conference of the European Society for Domestic Animal Reproduction (ESDAR), 12-14 September 2002, Parma, Italy. *Reproduction in Domestic Animals*, **37(4)**: 225, August 2002.
7. The Presence of Environmental Pollutants in the Follicular Fluid of Farm Animals (Cattle, Sheep, Goat and Pig). A Kamarianos, X Karamanlis, P Goulas, **E Theodosiadou** and A Smokovitis. 6th International Conference of the European Society for Domestic Animal Reproduction (ESDAR), 12-14 September 2002, Parma, Italy. *Reproduction in Domestic Animals*, **37(4)**: 238, August 2002.
8. Environmental Pollutants in the Semen of Farm Animals (Bulls, Rams and Bucks). A Kamarianos, X Karamanlis, **E Theodosiadou**, P Goulas and A Smokovitis. 6th International Conference of the European Society for Domestic Animal Reproduction (ESDAR), 12-14 September 2002, Parma, Italy. *Reproduction in Domestic Animals*, **37(4)**: 238, August 2002.
9. The Effect of α -Tocopherol Supplementation on the Proteolytic Activity (Plasminogen Activator Activity) of the Cervical Mucus of Ewe During Oestrous Synchronization. **E Theodosiadou**, C Rekkas, S Belibasaki and A Smokovitis. 6th International Conference of the European Society for Domestic Animal Reproduction (ESDAR), 12-14 September 2002, Parma, Italy. *Reproduction in Domestic Animals*, **37(4)**: 254, August 2002.
10. DNA, RNA, and Protein Concentrations in Endometrium and Myometrium of Ewes During Natural and Synchronized Oestrus in Correlation with Oestradiol-17 β and Progesterone Concentrations. **E Theodosiadou**, M Kolitsida, P Economou, M Hadzopoulou-Cladaras and A Smokovitis. 6th International Conference of the European Society for Domestic Animal Reproduction (ESDAR), 12-14 September 2002, Parma, Italy. *Reproduction in Domestic Animals*, **37(4)**: 254, August 2002.

11. Synchronization of ovulation and fixed time insemination in ewes. GS Amiridis, I Valasi, C Deligiannis, P Goulas, **E Theodosiadou**, T Lainas. 15th International Congress on Animal Reproduction (ICAR), 8-12 August 2004, Porto Seguro, BA-Brazil. *Abstracts*, **2**: 340, 2004.
12. The Effect of the Anthelmintic Drug Albendazole on the Plasminogen Activator Activity of Ram Semen. **E Theodosiadou**, CA Rekkas, G Batzias, P Mamali, S Belibasaki and A Smokovitis. 8th Conference of the European Society for Domestic Animal Reproduction (ESDAR), 23-25 September 2004, Warsaw, Poland. *Reproduction in Domestic Animals*, **39(4)**: 270-271, August 2004.
13. Pregnancy Rates after Synchronization of Ovulation in Ewes. I Valasi, P Goulas, J Menegatos, **E Theodosiadou**, C Deligiannis and GS Amiridis. 8th Conference of the European Society for Domestic Animal Reproduction (ESDAR), 23-25 September 2004, Warsaw, Poland. *Reproduction in Domestic Animals*, **39(4)**: 288, August 2004.
14. Plasminogen Activator Activity in the Reproductive Tract of the Ewe during Natural and Synchronized Oestrus. **E Theodosiadou**, CA Rekkas, F Samartzi, S Belibasaki and A Smokovitis. 8th Conference of the European Society for Domestic Animal Reproduction (ESDAR), 23-25 September 2004, Warsaw, Poland. *Reproduction in Domestic Animals*, **39(4)**: 288, August 2004.
15. Presence of the Anthelmintic Drug Albendazole in the Reproductive System of the Ewe. P Mamali, G Batzias, **E Theodosiadou** and F Saratsis. 8th Conference of the European Society for Domestic Animal Reproduction (ESDAR), 23-25 September 2004, Warsaw, Poland. *Reproduction in Domestic Animals*, **39(4)**: 289, August 2004.
16. Effect of Albendazole on Plasminogen Activator Activity in the Reproductive Tract of the Ewe during Oestrus. P Mamali, **E Theodosiadou**, CA Rekkas, G Batzias, F Samartzi and S Belibasaki. 8th Conference of the European Society for Domestic Animal Reproduction (ESDAR), 23-25 September 2004, Warsaw, Poland. *Reproduction in Domestic Animals*, **39(4)**: 289, August 2004.
17. Effects of follicular aspiration on the number and the quality of collected oocytes from superovulated Karagouniko ewes. I. Valasi, T. Papanikolaou, C. Deligiannis, **E. Theodosiadou**, G.S. Amiridis. 6th International Sheep Veterinary Congress, 17-21 June 2005, Hersonissos, Crete, Greece. *Proceedings*, pp. 373-374, 2005.
18. Effect of FSH Origin on *In Vitro* Maturation of Pig Oocytes. F Samartzi, I Tsakmakidis, **E Theodosiadou** and E Vainas. 10th Conference of the European Society for Domestic Animal Reproduction (ESDAR), 7-9 September 2006, Portoroz-Lipica, Slovenia. *Reproduction in Domestic Animals*, **41(4)**: 338, August 2006.
19. Effect of Human Chorionic Gonadotropin (hCG) Administration on Fertility and Prolificacy of Dairy Ewes. AG Lymberopoulos, TAA Khalifa, IA Tsakmakidis, **E Theodosiadou** and S Belibasaki. 10th Conference of the European Society for Domestic Animal Reproduction (ESDAR), 7-9 September 2006, Portoroz-Lipica, Slovenia. *Reproduction in Domestic Animals*, **41(4)**: 374, August 2006.
20. Influence of within-ejaculate variation on *in vitro* fertilizing ability of bull spermatozoa. AG Lymberopoulos, TAA Khalifa, CA Rekkas, I Dimitriadis, Th Papanikolaou, F Samartzi, **E Theodosiadou**, E Vainas. 10th International Symposium on Spermatology, 17-22 September 2006, Madrid, Spain. *Programme and Abstract Book*, p. 103, 2006.
21. The effect of albendazole administration on the concentration of ovarian steroids in the follicular fluid and the maturation of oocytes in the ewe. Mamali, P; Samartzi, F;

- Batzias, GC; **Theodosiadou, E**; Vainas, E; Goulas, P; Belibasaki, S; Saratsis, F. 16th International Congress on Animal Reproduction (ICAR), 13-17 July 2008, Budapest, Hungary. *Reproduction in Domestic Animals*, **43(s3)**: 192-193, July 2008.
22. Does gossypol have a genotoxic effect on Chios ram sperm? Dessiris, EA; Lymberopoulos, AG; Khalifa, TAA; **Theodosiadou, E**; Kotsaki-Kovatsi, VP; Belibasaki, S. 16th International Congress on Animal Reproduction (ICAR), 13-17 July 2008, Budapest, Hungary. *Reproduction in Domestic Animals*, **43(s3)**: 212, July 2008.
 23. *In vitro* Effect of Environmental Pollutants on the Response of Boar Spermatozoa to the Induction of Acrosome Reaction. IA Tsakmakidis, **E Theodosiadou**, F Samartzi, P Goulas, X Karamanlis and A Kamarianos. 12th Annual Conference of the European Society for Domestic Animal Reproduction (ESDAR), 20-23 November 2008, Utrecht, The Netherlands. *Reproduction in Domestic Animals*, **43(s5)**: 65-66, November 2008.
 24. Steroid Hormone Concentrations and Enzyme Activities in the Uterine Luminal Fluid of Ewes after Superovulation. F Samartzi, **E Theodosiadou**, Th Tsiligianni, AG Lymberopoulos, E Vainas and CA Rekkas. 12th Annual Conference of the European Society for Domestic Animal Reproduction (ESDAR), 20-23 November 2008, Utrecht, The Netherlands. *Reproduction in Domestic Animals*, **43(s5)**: 71, November 2008.
 25. The Effect of Albendazole and Levamisole on Ovarian Steroid Concentrations in the Reproductive System of the Ewe. P Mamali, **E Theodosiadou**, F Samartzi, CA Rekkas, F Saratsis and S Belibasaki. 12th Annual Conference of the European Society for Domestic Animal Reproduction (ESDAR), 20-23 November 2008, Utrecht, The Netherlands. *Reproduction in Domestic Animals*, **43(s5)**: 74, November 2008.
 26. Follicular Development after Repeated Ovum Pick-up (OPU) in Cyclic Ewes. I Valasi, Th Papanikolaou, Th Tsiligianni, **E Theodosiadou**, D Kantas, C Deligiannis and GS Amiridis. 12th Annual Conference of the European Society for Domestic Animal Reproduction (ESDAR), 20-23 November 2008, Utrecht, The Netherlands. *Reproduction in Domestic Animals*, **43(s5)**: 85, November 2008.
 27. Influence of Naloxone on Fecundity of Seasonally Anestrous Ewes. AG Lymberopoulos, TAA Khalifa and **E Theodosiadou**. 12th Annual Conference of the European Society for Domestic Animal Reproduction (ESDAR), 20-23 November 2008, Utrecht, The Netherlands. *Reproduction in Domestic Animals*, **43(s5)**: 87, November 2008.
 28. The Effect of the Anthelmintic Drug Levamisole on Plasminogen Activator Activity in the Reproductive System of the Ewe. P Mamali, **E Theodosiadou**, F Samartzi, G Batzias, P Goulas and CA Rekkas. 12th Annual Conference of the European Society for Domestic Animal Reproduction (ESDAR), 20-23 November 2008, Utrecht, The Netherlands. *Reproduction in Domestic Animals*, **43(s5)**: 87-88, November 2008.
 29. Electrical Resistance (ER) of Ewe Cervical Mucus in Relation to Fertility. Th Tsiligianni, D Kantas, **E Theodosiadou** and GS Amiridis. 12th Annual Conference of the European Society for Domestic Animal Reproduction (ESDAR), 20-23 November 2008, Utrecht, The Netherlands. *Reproduction in Domestic Animals*, **43(s5)**: 89, November 2008.
 30. Effect of Aflatoxin B1 Administration on Serum Steroid Hormones Concentrations of Goats. GD Kourousekos, **E Theodosiadou**, H Ververidis, S Belibasaki, C Boscas, P Saratsis and AG Lymberopoulos. 12th Annual Conference of the European Society for Domestic Animal Reproduction (ESDAR), 20-23 November 2008, Utrecht, The Netherlands. *Reproduction in Domestic Animals*, **43(s5)**: 102, November 2008.

31. *In vitro* Effect of α -Zearalenol on the Porcine Preimplantation Conceptus. A Saratsi, E Theodosiadou, CA Rekkas, K Angelopoulou, E Vainas, AG Lymberopoulos and CM Boscus. 12th Annual Conference of the European Society for Domestic Animal Reproduction (ESDAR), 20-23 November 2008, Utrecht, The Netherlands. *Reproduction in Domestic Animals*, **43(s5)**: 102, November 2008. (Invited oral presentation at the Workshop 1: "Endocrine disruptors and animal reproduction", Moderator: Fulvio Gandolfi, Italy)
32. Does Buserelin Decrease Pregnancy Losses in Broodmares. TAA Khalifa, AG Lymberopoulos and E Theodosiadou. Oral presentation at the 13th Annual Conference of the European Society for Domestic Animal Reproduction (ESDAR), 9-12 September 2009, Ghent, Belgium. *Reproduction in Domestic Animals*, **44(s3)**: 79, September 2009.
33. Effect of eCG on Steroid Hormone Concentrations and Plasminogen Activator Activity in the Genital Tract of Ewes. F Samartzi, E Theodosiadou, Th Tsiligianni, AG Lymberopoulos, E Vainas and CA Rekkas. 13th Annual Conference of the European Society for Domestic Animal Reproduction (ESDAR), 9-12 September 2009, Ghent, Belgium. *Reproduction in Domestic Animals*, **44(s3)**: 123, September 2009.
34. Effect of eCG on the Activity of Glucosidases in the Genital Tract of Ewes. F Samartzi, Th Tsiligianni, E Theodosiadou, AG Lymberopoulos, E Vainas and CA Rekkas. 13th Annual Conference of the European Society for Domestic Animal Reproduction (ESDAR), 9-12 September 2009, Ghent, Belgium. *Reproduction in Domestic Animals*, **44(s3)**: 123, September 2009.
35. *In vitro* Effect of Zearalenone and α -Zearalenol on the Plasminogen Activator Activity of Boar Sperm after Induced Acrosome Reaction. IA Tsakmakidis, E Theodosiadou, AG Lymberopoulos and CA Rekkas. 13th Annual Conference of the European Society for Domestic Animal Reproduction (ESDAR), 9-12 September 2009, Ghent, Belgium. *Reproduction in Domestic Animals*, **44(s3)**: 129, September 2009.
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