

20 February 2024

Prof. Mary Ioannidou-Koutselini
President of CY.Q.A.A.
5 Limassol Avenue
2112 Nicosia

Subject: Additional Information on the Decision Deferral related to submission of modification actions related to the evaluation of the “School of Veterinary Medicine”, its “Department” and its program of study “Veterinary Medicine (5 Years/300 ECTS, Doctor of Veterinary Medicine, D.V.M.)”

Dear Professor Ioannidou-Koutselini,

Thank you for your letter on February 14, 2024 (file numbers 07.14.320.004, 07.14.327.111) with regards to the above topic. We hereby respectfully submit the additional clarifications and documentation requested by your Office following our initial response on February 15, 2024.

Faculty Recruitment

A core team of Faculty has been hired to sustain implementation and coordination efforts for the establishment of the School of Veterinary Medicine, its Department, and its program of study Veterinary Medicine. In aligning with the following improvement recommendations of the EEC,

- 1. It is strongly recommended to substantially increase the number of permanent and tenured staff of the School of Veterinary Medicine with scientists with proven experience in research and independent teaching in Veterinary Medicine and the broader subjects of Animal Science [...]*
- 2. It is recommended to engage visiting teaching staff based on their recognized teaching and research experience in state-of-the-art subjects in veterinary medicine. The purpose of the recruitment of these personnel should be to provide support to the teaching staff of the Institution, adding to the programme’s scientific merit and international approach.*

the School has hired six (6) Faculty consisting of a mixture of senior and junior Faculty, as well as five (5) engaged Visiting Faculty to fully cover the teaching needs of the first two years of the program. Senior faculty, such as Professors Raptopoulos, Banos, and Fthenakis have extensive educational experience in Veterinary Medicine in their respective fields. Junior Faculty, Drs. Zenonos, Michael, and Vourakis demonstrate an upward trajectory both in research and teaching. As young Faculty they demonstrate a flexibility and energy to serve the development of the new program. Expertise in other areas, such as one Health (Professor Grotto) or biochemistry and nutrition (Dr. Christodoulides), are provided by these members of the academic staff who are experts

in the respective fields, with extensive teaching experience, offering a new multi-disciplinary perspective that breaks down traditional silos, a core concept in the new One Health approach. Recruitment has also focused on specialized disciplines, such as animal behavior (Dr. Karagiannis), and animal microbiology/infectious diseases (Dr. Chaintoutis) as part of the differentiating factor of the School, the Department and the program. In addition to experience in clinical teaching in the field, both at the undergraduate and graduate (residency level), Faculty such as Dr. Protopapas, was recruited based also on his integral knowledge of veterinary practices within Cyprus that is a paramount role in coordinating and integrating the program both within the Veterinary community, as well as the external partners.

The Faculty of the EUC Veterinary Medicine School, their qualifications and teaching and research experience are presented briefly below (please also see their detailed *Curriculum Vitae in Appendix I*):

1. Dr. Dimitrios Raptopoulos, Professor, Founding Acting Dean

Discipline: Veterinary Anesthesiology

Degrees & Qualification:

- Veterinary Degree, 1964-1969, Aristotle University of Thessaloniki
- PhD Diploma, 1976, Veterinary School, University of Thessaloniki
- Diploma in Veterinary Anaesthesia (DVA), 1978, Royal College of Veterinary Surgeons, UK
- Diploma in Veterinary Anaesthesia and Analgesia, 1995, EBVS
- European College of Veterinary Anaesthesia and Analgesia (ECVAA)

Teaching Experience:

- Veterinary School, University of Thessaloniki, Member of staff
- Visiting Assistant Professor, Gainesville, Florida, USA, Visiting Assistant Professor
- Vet School, University of Bristol Langford, Bristol, UK, Research Associate
- EBVS Award for Outstanding Contributions to the Course of Veterinary Specialisation in Europe (2020) <https://ebvs.eu/news/ebvs-award-2019>

Research & Academic Profile:

- Research focused primarily on gastro-oesophageal reflux during anaesthesia, and preoperative fasting in dogs and cats.
- Chairman of Organizing/Scientific Committee 3 World & 3 European Congresses
- Over 140 presentations in congresses
- Member of the Editorial Board, J of Veterinary Anaesthesia & Analgesis

Other Qualifications:

- 2013 – 2018, EBVS, Chief Executive Officer, Running the Organisation and reviewing its documents
- 1995-2011, ECVAA, President and member of Executive Committee, Chair of Education and Credentials Committee Running the College and developing its training programmes and examinations of candidates
- 2003-2007, University of Thessaloniki, Member of the Senate
- 2003-2007, Dean, Veterinary School, University of Thessaloniki
- 2007-2010, University of Thessaloniki, Elected Board Member of the Research Committee of the University

Teaching Courses in the EUC Veterinary Medicine Program of Study

- VET255, Veterinary Skills I: Basic
- VET325, Veterinary Skills II: Small Animals & Equine
- VET355, Veterinary Skills III: Farm Animals
- VET435, Anesthesiology, Emergency & Critical Care Medicine
- VET440, Farm Animal Surgery

2. Dr. Kypros Protopapas, Associate Professor, Founding Acting Chairperson

Discipline: Equine Medicine & Surgery, Obstetrics, Animal Reproduction.

Degrees & Qualification:

- Bachelor of Veterinary Medicine, 1990-1995, Faculty of Veterinary Medicine, Aristotelion University of Thessaloniki
- Residency in the Obstetric Clinic, 1995-1996, Faculty of Veterinary Medicine, Aristotelion University of Thessaloniki
- Master in Veterinary Medicine (MVetMed) degree, 1996-1997, Royal Veterinary College, University of London
- Residency in Equine Surgery and Doctor in Veterinary Medicine (DVetMed) degree, 1997-2000, Royal Veterinary College, University of London
- Master in Business Administration (MBA) degree, 2021-2022, Mediterranean Institute of Management (Lefkosia, Cyprus)

Teaching Experience:

- Clinical Teaching and assessment of students during equine surgery residency training, Royal Veterinary College, University of London
- Small group cohorts 4-5 final year veterinary students clinical training (rotations)
- Practical seminars – basic surgical skills 4th year veterinary students
- Supervisor of senior students
- Equine surgery & internal medicine clinical training of visiting students from other international schools in Cyprus.

Research & Academic Profile:

- Research has focused primarily on post-operative risk factors, metabolic disturbances and biochemical abnormalities following colic surgery in Horses.

Other Qualifications:

- Directs a modern rabbitry farm funded from the Cyprus Rural Development Programmes 2007- 2013 and 2014-2020
- Practices veterinary profession in Cyprus, mainly equine internal medicine & surgery
- Was awarded the Master in Veterinary Medicine which included a project on Feeding Racehorses

Teaching Courses in the EUC Veterinary Medicine Program of Study

- VET125, Animal Husbandry I: Animal Care & Management
- VET130, One Health: Health & Environment
- VET200, Wildlife Conservation
- VET210, Animal Nutrition and Metabolism
- VET250, Animal Reproduction
- VET325, Veterinary Skills II: Small Animals & Equine
- VET345, Equine Medicine & Surgery

3. Stephanos Christodoulides, Assistant Professor

Discipline: Medical Biochemistry - Nutrition & Metabolism

Degrees & Qualification:

- PhD Digestive Diseases & Nutrition, Queen Mary University of London, May 2019
- QDip Researcher Development, Queen Mary University of London, May 2019
- PG Cert Applied Sports Nutrition, St Mary's University College, London, Nov 2011
- BSc (Hons) Dietetics (2.1), University of Plymouth, Feb 2011
- MSc Clinical Nutrition (Distinction), University of Roehampton, London, Oct 2009
- MSc Biochemistry (Distinction), University of Patras, Oct 2006
- Certificate Oenology, University of Patras, Dec 2004
- BSc (Hons) Chemistry (2.1), University of Patras, Jul 2003

Teaching Experience:

- MD (Doctor of Medicine)
- BDS (Bachelor of Dental Surgery) teaching at European University Cyprus

- Course coordinator for the “Clinical Nutrition and Metabolism” (MD) course and the “Foundations of Nutrition” (BDS) course
- Course instructor for the “Medical Biochemistry I” (MD) course and the “Medical Biochemistry II” (MD) course
- MSc teaching (Gastroenterology) at Queen Mary University of London (2015-2019)
- Course coordinator for the “Nutrition and Gastrointestinal Health and Disease” course

Research & Academic Profile:

- Research focuses on nutrition and gastrointestinal health and disease
- Gut microbiota, transit time and gastrointestinal health
- Dietary interventions (probiotics, prebiotics, fibre, FODMAPs, whole foods, dietary advice)
- Research grant on probiotics

Other Qualifications:

- Registered Clinical Dietitian, UK (HCPC registration - DT26111)
- Registered Clinical Dietitian, CY (CyRBFSTD registration - 437)
- Registered Nutritionist, UK (UKVRN registration - ARN4841)
- Registered Sports Nutritionist, UK (SENr registration - 0018GRAD)
- British Dietetic Association (BDA) - Full Member
- Nutrition Society (NS) - Full Member
- Association for Nutrition (AfN)
- European Society for Clinical Nutrition & Metabolism (ESPEN)

Teaching Courses in the EUC Veterinary Medicine Program of Study

- VET135 Biological Processes II: Biochemistry
- VET210, Animal Nutrition and Metabolism
- VET130, One Health: Health & Environment

4. Christos Karagiannis, Assistant Professor

Discipline: Animal Behavior, Animal Welfare, Ethics & Law, Animal Behavioral Medicine

Degrees & Qualification:

- DVM, 2008, (Aristotle University of Thessaloniki, Greece)
- MSc, 2011, Clinical Animal Behavior, University of Lincoln, UK
- EBVS, European Veterinary Specialist in Behavioral Medicine
- RCVS Veterinary Specialist in Behavioral Medicine

Teaching Experience:

- Visiting Lecturer, National & Kapodistrian University of Athens
- MSc Program in Animal Welfare, Ethics & Law

- Visiting Lecturer, Veterinary School, Aristotle Univ of Thessaloniki, undergraduate & post-graduate level

Research & Academic Profile:

- Focus of research is on companion animal behavior and behavior disorders.
- Membership Royal College of Veterinary Surgeons (MRCVS),
- American Veterinary Society of Animal Behavior (AVSAB)

Other Qualifications:

Continuing Veterinary Education Center, Pets Pro Academy for Animal Behavioral Problems, and Veterinary Nursing (2016-present)

Teaching Courses in the EUC Veterinary Medicine Program of Study

- VET100, Principles of Animal Welfare, Ethics & Jurisprudence
- VET125, Animal Husbandry I: Animal Care & Management
- VET130, One Health: Health & Environment
- VET155, Applied Ethology
- VET220, Veterinary Behavioral Medicine
- VET255, Veterinary Skills I: Basic
- VET535, Animals & Social Development

5. Dr. Kyriaki Markoullis Zenonos, Lecturer

Discipline: Veterinary Histology, Veterinary Pathology, Veterinary Cell Biology, Pathophysiology

Degrees & Qualification:

- DVM, 2002, (Aristotle University of Thessaloniki, Greece).
- PhD, 2008, (University of Munich, LMU, Germany Faculty of Veterinary Medicine)

Teaching Experience:

- Supervision of MSc Students
- Supervision of research students

Research & Academic Profile:

- Research focuses on comparative medicine - pathology.
- Post-doctoral researcher, Comparative Medicine, Helmholtz Center, LMU, Munich; Neuroscience, CING, Nicosia;
- Expertise in cell biology methodologies, animal models, histological methods, diagnostic methods & lab techniques

Teaching Courses in the EUC Veterinary Program of Study

- VET105, Biological Processes I: Biology
- VET120 Animal Function I

- VET140, Genetics and Developmental Biology
- VET150 Animal Function II
- VET215 Pathophysiology I
- VET245 Pathophysiology II

6. Dr. Charalambia Michael, Lecturer

Discipline: Animal Husbandry and Production, Small Ruminant Health, One Health

Degrees & Qualification:

- DVM, 2019, University of Thessaly, Greece.
- MSc, 2022, Animal Biotechnology, Cyprus Univ of Technology.
- PhD 2024, School of Vet Medicine, University of Thessaly

Teaching Experience:

- Teaching veterinary program, School of Veterinary Medicine, University of Thessaly, Greece

Research & Academic Profile:

- Research has focused on ruminant production and husbandry, and has also focused on One Health Scientific

Other Qualifications:

Member of Cyprus Veterinary Council

Teaching Courses in the EUC Veterinary Medicine Program of Study

- VET120 Animal Function I
- VET125, Animal Husbandry I: Animal Care & Management
- VET150 Animal Function II
- VET215 Pathophysiology I
- VET245 Pathophysiology II
- VET225, Animal Husbandry II: Farm Animal Production

The Visiting Faculty of the EUC Veterinary Medicine programs of study are presented below (please also see their detailed *Curriculum Vitae in Appendix II*):

1. Prof. George Banos, DVM, PhD – Animal Genetics
2. Prof. Giorgos Fthenakis, DVM, PhD – Animal Function,
3. Prof. Itamar Grotto, MD, PhD – One Health, Biostatistics, Epidemiology
4. Associate Prof. Serafeim Chaintoutis, DVM, PhD – Animal Microbiology, Immunology, Infectious Diseases, Pharmacology
5. Assistant Prof. Soteria Vouraki, DVM, PhD – Animal Structure, Genetics

Table 1 below provides a list of all courses of the first two years of the Veterinary Medicine program and the assigned academic staff who will teach each course.

Table 1: EUC Veterinary Medicine Curriculum with Instructors for Years 1 & 2

A/A	Course Name	Course Code	Number of ECTS	Instructor(s)	Periods per Week Theory/ Lab
1st Semester					
1	Principles of Animal Welfare, Behaviour, Law & Ethology	VET100	3	C. Karagiannis	3 Theory
2	Biological Processes I: Biology	VET105	6	K. Zenonos	3 Theory 3 Lab
3	Biostatistics & Scientific Research Methods	VET110	3	It. Grotto (VF)	2 Theory 1 Lab
4	Animal Structure I	VET115	6	S. Vouraki (VF) D. Raptopoulos	3 Theory 3 Lab
5	Animal Function I	VET120	6	K. Zenonos C. Michael G. Fthenakis (VF)	3 Theory 3 Lab
6	Animal Husbandry I: Animal Care & Management	VET125	6	C. Michael C. Karagiannis K. Protopapas	4 Theory 2 Lab
2nd Semester					
7	One Health: Health & Environment	VET130	3	C. Michael C. Karagiannis It. Grotto (VF)	3 Theory
8	Biological Processes II: Biochemistry	VET135	6	S. Christodoulides	3 Theory 3 Lab
9	Genetics & Developmental Biology	VET140	6	S. Vouraki (VF) G. Banos (VF)	3 Theory 3 Lab
10	Animal Structure II	VET145	6	S. Vouraki (VF) D. Raptopoulos	3 Theory 3 Lab
11	Animal Function II	VET150	6	K. Zenonos C. Michael G. Fthenakis (VF)	3 Theory 3 Lab
12	Applied Ethology	VET155	3	C. Karagiannis	1 Theory 2 Lab



A/A	Course Name	Course Code	Number of ECTS	Instructor(s)	Periods per Week Theory/ Lab
3rd Semester					
13	Wildlife Conservation	VET200	3	C. Karagiannis K. Protopapas	2 Theory 1 Lab
14	Pathogens & Defense Mechanisms I: Immunology/Microbiology	VET205	6	S. Chaintoutis (VF)	3 Theory 3 Lab
15	Animal Nutrition & Metabolism	VET210	6	S. Christodoulides	3 Theory 3 Lab
16	Pathology & Pathophysiology I	VET215	6	K K. Zenonos C. Michael G. Fthenakis (VF)	3 Lecture 3 Lab
17	Veterinary Behavioural Medicine	VET220	3	C. Karagiannis	3 Theory
18	Animal Husbandry II: Farm Animal Production	VET225	6	C. Michael C. Karagiannis K. Protopapas	2 Theory 4 Lab
4th Semester					
19	Epidemiology & Public Health	VET230	6	It. Grotto (VF)	4 Theory 2 Lab
20	Pathogens & Defense Mechanisms II: Infectious Diseases	VET235	6	S. Chaintoutis (VF)	4 Theory 2 Lab
21	Pharmacology	VET240	3	D. Raptopoulos S. Chaintoutis (VF)	3 Theory
22	Pathology & Pathophysiology II	VET245	6	K. Zenonos C. Michael G. Fthenakis (VF)	3 Theory 3 Lab
23	Animal Reproduction	VET250	6	C. Michael K. Protopapas	2 Theory 4 Lab
24	Veterinary Skills I: Basic	VET255	3	D. Raptopoulos C. Michael C. Karagiannis K. Protopapas	1 Theory 2 Lab

2- Practical Training Relative to the EUC Veterinary Medicine Curriculum

Skills and competency development takes place in both newly constructed veterinary medicine-specific high-fidelity simulation and skills complex, as well as in the natural clinical environment. More specifically, clinical Training will take place both at the *EUC Small Animal Veterinary Teaching Hospital (VTA)* scheduled to be operational in May 2026, as well as at the establishments of External Partners, as outlined below:

Small Animal

Small animal clinical training will take place primarily at the EUC VTA. In years 1 and 2, aspects of small animal skills training and small animal husbandry (approaching and handling of animals, contention) will also take place at the establishments of external partners, such as MJSC Sports LTD (Equine) and Oscar Kennel (small companion animals).

In the context of student clinical training in small companion animals, small groups of students rotate according to the following scheme, so that each student acquire necessary primary experience in Medicine (admissions, cardiology, respiratory, dermatology, Urogenital, Neurology, Gastrointestinal, exotic and zoo/wild animals), and Surgery (first admissions, soft tissue, including obstetrical, surgery, orthopedics), but also including other disciplines (dentistry, ophthalmology, anesthesiology, intensive care medicine, diagnostic imaging, and clinical pathology).

Students will participate in the round-the-clock operation of the hospitalization wards of the EUC VTH. Under the direct supervision, students will be responsible for admissions, taking the history and performing clinical examination, collecting of diagnostic materials and interpreting the results, pertaining to companion animals admitted in the EUC VTH (regular outpatient section or out-of-hour emergency admissions). Students will discuss differential diagnosis and treatment options with the responsible Faculty member. They also participate in vaccination sessions and antiparasitic strategies for small animals.

During Surgery rotations, students will be involved in examining admitted animals. They will assist surgeons, and will follow the patients to the wards until discharge. During surgical preparation, they will follow procedures for asepsis, sterilization and preparation of the surgical team. They will also actively participate in the examination of all the hospitalized animals. During obligatory intra-curricular clinical training, students will participate in daily rounds and weekly grand rounds of the different services, where they will present cases, they are responsible for.

In anesthesiology, emergency and intensive care medicine, anesthesia for any surgical or investigative/diagnostic procedure will be administered and peri-operative monitoring will be performed by a student under supervision. In case of an emergency, either submitted by the owner of the animal or by another Unit of the Clinic or as a result of perioperative or anesthetic complication, students under direct supervision will be providing all the appropriate therapeutic strategy and apply any required palliative care.

Large Animal

Training in large animal clinical training will take place at the premises of specific external partners, including LK Dairy Farm, Ltd (Bovine), LA Top Genetics, LTD (Porcine), Sannen Farm (Ruminants), and MJSC Sports LTD (Equine). Similarly, aspects of farm animal skills training and farm animal husbandry (approaching and handling of animals, contention, trimming hoofs, lambing, etc.), as well as large animal internal medicine and surgeries (e.g., bovine, porcine, ruminants, and equine) will be done in the field, as is traditionally practiced in veterinary medicine, at the premises of these specific external partners. For surgeries, these placements use stall restrained system, as well as short general anaesthesia in the field for a wide range of procedures, including castration, umbilical hernia, wound repair, joint lavage, etc.

In the context of student clinical training in farm animals, students will be grouped and rotate in medicine, surgery, and obstetrics & reproduction. Clinical training includes programmed visits to affiliated farms of the common farm animals, primarily cattle, small ruminants, swine and poultry, but also rabbits, fish and bees, under supervision. Moreover, students in Farm Animal Clinic will participate in the activities of the ambulatory service, during which farm visits take place in emergency cases or clinical cases of high teaching importance.

During the regular farm visits the aim is to manage the health of individual animals, most often to solve practical problems relating to reproduction and obstetrics, evaluation of lameness, examination of the mammary gland for the control of mastitis, among others. In addition, a major part of the clinical training during the on-site visits to farms is to work at herd level towards diagnosing, treating and preventing diseases, as well as to assess and improve the health and the reproductive and productive performance of the animals of the farms.

Pathology

EUC Veterinary Medicine students will be trained in veterinary small and large animal pathology both at the State Veterinary Services, and the Department of Agriculture, but also in a range of Partner Abattoirs that cover the range and number of pathologies required by the EAEVE, including: State Veterinary Services (Abattoir); Ministry of Agriculture (Laboratories), Cypra Ltd (large animal Abattoir), Blue Island Plc (Fish), Neli Emporion Kreaton (Poultry Abattoir) and Protopapas Agricultural Enterprises Ltd (Rabbitry Abattoir).

In summary, and as described in detail in the *Veterinary Quality Assurance Guide*, practical training relative to the EUC Veterinary Medicine curriculum will take place in skills acquisition appropriate placements. *Table 2 below: EUC Veterinary Medicine Curriculum with Instructors for Years 1 & 2 and location of practical training (as per signed External Partner Agreements)* presented below depicts the practical training placements for each specific course of the Veterinary Program, including assigned instructors of the first two years of the program.

Table 2: EUC Veterinary Medicine Curriculum with Instructors and location of practical training (as per signed External Partner Agreements)

A/A	Course Name	Course Code	Number of ECTS	Instructor(s)	Periods per Week Theory/ Lab	Location of Practical Training
1st Semester						
1	Principles of Animal Welfare, Behaviour, Law & Ethology	VET100	3	C. Karagiannis	3 Theory	N/A
2	Biological Processes I: Biology	VET105	6	K. Zenonos	3 Theory 3 Lab	Cell Biology Laboratory, New Medical Sciences Building
3	Biostatistics & Scientific Research Methods	VET110	3	It. Grotto (VF)	2 Theory 1 Lab	Computer Lab, New Medical Sciences Building, Veterinary Floor
4	Animal Structure I	VET115	6	S. Vouraki (VF) D. Raptopoulos	3 Theory 3 Lab	Veterinary Anatomy Lab, New Medical Sciences Building, Veterinary Floor
5	Animal Function I	VET120	6	K. Zenonos C. Michael G. Fthenakis (VF)	3 Theory 3 Lab	Simulation Laboratories, New Medical Sciences Building, Veterinary Floor
6	Animal Husbandry I: Animal Care & Management	VET125	6	C. Michael C. Karagiannis K. Protopapas	4 Theory 2 Lab	<ul style="list-style-type: none"> • MJSC Sports LTD (Horses) • Protopapas Agr Enterprises Ltd (Rabbitry) • Lapatsa Stables (Horses) • Oscar Farm (Kennel)
2nd Semester						
7	One Health: Health & Environment	VET130	3	C. Michael C. Karagiannis It. Grotto (VF)	3 Theory	N/A
8	Biological Processes II: Biochemistry	VET135	6	S. Christodoulides	3 Theory 3 Lab	Biochemistry Laboratory, New Medical Sciences Building
9	Genetics & Developmental Biology	VET140	6	S. Vouraki (VF) G. Banos (VF)	3 Theory 3 Lab	Cell Biology Laboratory, New Medical Sciences Building



A/A	Course Name	Course Code	Number of ECTS	Instructor(s)	Periods per Week Theory/ Lab	Location of Practical Training
						<ul style="list-style-type: none"> LA Top Genetics ltd (Porcine farm)
10	Animal Structure II	VET145	6	S. Vouraki (VF) D. Raptopoulos	3 Theory 3 Lab	Veterinary Anatomy Lab, New Medical Sciences Building, Veterinary Floor
11	Animal Function II	VET150	6	K. Zenonos C. Michael G. Fthenakis (VF)	3 Theory 3 Lab	Simulation Laboratories, New Medical Sciences Building, Veterinary Floor
12	Applied Ethology	VET155	3	C. Karagiannis	1 Theory 2 Lab	<ul style="list-style-type: none"> MJSC Sports LTD (Horses) LK Dairy Farm, Ltd (Bovine) LA Top Genetics, LTD (Porcine) Blue Island PLC (Fishery) Paphos Zoo
3rd Semester						
13	Wildlife Conservation	VET200	3	C. Karagiannis K. Protopapas	2 Theory 1 lab	Paphos Zoo
14	Pathogens & Defense Mechanisms I: Immunology/Microbiology	VET205	6	S. Chaintoutis (VF)	3 Theory 3 Lab	Microbiology Laboratory, New Medical Sciences Building <ul style="list-style-type: none"> Blue Island PLC (Fishery) State Veterinary Services, Ministry of Agriculture
15	Animal Nutrition & Metabolism	VET210	6	S. Christodoulides	3 Theory 3 Lab	Biochemistry Laboratory, New Medical Sciences Building <ul style="list-style-type: none"> Vita Trace Nutrition Kokita Ergostasion Zootrofon
16	Pathology & Pathophysiology I	VET215	6	K K. Zenonos C. Michael G. Fthenakis (VF)	3 Lecture 3 Lab	Simulation Laboratories, New Medical Sciences Building, Veterinary Floor



A/A	Course Name	Course Code	Number of ECTS	Instructor(s)	Periods per Week Theory/ Lab	Location of Practical Training
						<ul style="list-style-type: none"> • State Veterinary Services (Abattoir) • Cypra Ltd (Abattoir) • Neli Emporion Kreation Ltd (Abattoir) • Protopapas Agr Enterprises Ltd (Abattoir)
17	Veterinary Behavioural Medicine	VET220	3	C. Karagiannis	3 Theory	N/A
18	Animal Husbandry II: Farm Animal Production	VET225	6	C. Michael C. Karagiannis K. Protopapas	2 Theory 4 Lab	<ul style="list-style-type: none"> • LK Dairy Farm, Ltd • LA Top Genetics, LTD
4th Semester						
19	Epidemiology & Public Health	VET230	6	It. Grotto (VF)	4 Theory 2 Lab	Min. of Agriculture, Agricultural Research Institute
20	Pathogens & Defense Mechanisms II: Infectious Diseases	VET235	6	S. Chaintoutis (VF)	4 Theory 2 Lab	Microbiology Laboratory, New Medical Sciences Building Min. of Agriculture, Agricultural Research Institute
21	Pharmacology	VET240	3	D. Raptopoulos S. Chaintoutis (VF)	3 Theory	N/A
22	Pathology & Pathophysiology II	VET245	6	K. Zenonos C. Michael G. Fthenakis (VF)	3 Theory 3 Lab	Simulation Laboratories, New Medical Sciences Building, Veterinary Floor <ul style="list-style-type: none"> • State Veterinary Services (Abattoir) • Cypra Ltd (Abattoir) • Neli Emporion Kreation Ltd (Abattoir) • Protopapas Agr Enterprises Ltd (Abattoir)
23	Animal Reproduction	VET250	6	C. Michael K. Protopapas	2 Theory 4 Lab	LK Dairy Farm, Ltd LA Top Genetics, LTD



A/A	Course Name	Course Code	Number of ECTS	Instructor(s)	Periods per Week Theory/ Lab	Location of Practical Training
24	Veterinary Skills I: Basic	VET255	3	D. Raptopoulos C. Michael C. Karagiannis K. Protopapas	1 Theory 2 Lab	Skills Training & Simulation Laboratories, New Medical Sciences Building, Veterinary Floor <ul style="list-style-type: none"> • MJSC Sports LTD (Horses) • Protopapas Agr Enterprises Ltd (Rabbitry) • Lapatsa Stables (Horses) • Oscar Farm (Kennel)
5th Semester						
25	One Health: Zoonoses	VET300	3		3 Theory	N/A
26	Pathogens & Defense Mechanisms III: Parasitology	VET305	6		4 Theory 2 Lab	Microbiology Laboratory, New Medical Sciences Building Min. of Agriculture, Agricultural Research Institute
27	Veterinary Pharmacology & Toxicology	VET310	6		4 Theory 2 Lab	Min. of Agriculture, Agricultural Research Institute
28	Veterinary Diagnostic Imaging	VET315	3		1 Theory 2 Lab	Imaging Laboratories, New Medical Sciences Building, Veterinary Floor EUC VTH – Imaging
29	Small Animal Medicine I	VET320	6		2 Theory 4 Lab	EUC VTH
30	Veterinary Skills II: Small Animals & Equine	VET325	6		2 Theory 4 Lab	Skills Training & Simulation Laboratories, New Medical Sciences Building, Veterinary Floor <ul style="list-style-type: none"> • EUC VTH • MJSC Sports LTD (Horses)



A/A	Course Name	Course Code	Number of ECTS	Instructor(s)	Periods per Week Theory/ Lab	Location of Practical Training
						<ul style="list-style-type: none"> • Protopapas Agr Enterprises Ltd (Rabbitry) • Lapatsa Stables (Horses) • Oscar Farm (Kennel)
6th Semester						
31	Food Hygiene I: Food Microbiology	VET330	6		3 Theory 3 Lab	<ul style="list-style-type: none"> • Kokita Ergostasio Zootrofon (Feed Mill) • Vita Trace Nutrition, Ltd <ul style="list-style-type: none"> • State Veterinary Services (Abattoir) • Ministry of Agriculture (Laboratories) <ul style="list-style-type: none"> • Cypra Ltd (Abattoir) • Blue Island Plc (Fishery) • Neli Emporion Kreation (Poultry Abattoir) • Protopapas Agricultural Enterprises Ltd (Rabbitry Abattoir)
32	Shelter Medicine	VET335	3		1 Theory 2 Lab	TBA
33	Farm Animal Medicine I	VET340	6		2 Theory 4 Lab	<ul style="list-style-type: none"> • LK Dairy Farm, Ltd (Bovine) • LA Top Genetics, LTD (Porcine) <ul style="list-style-type: none"> • Sannen Farm (Ruminant)
34	Equine Medicine & Surgery	VET345	3		1 Theory 2 Lab	<ul style="list-style-type: none"> • MJSC Sports LTD (Horses) • Protopapas Agr Enterprises Ltd (Rabbitry) • Lapatsa Stables (Horses) • Oscar Farm (Kennel)
35	Small Animal Medicine II	VET350	6		2 Theory 4 Lab	EUC VTH



A/A	Course Name	Course Code	Number of ECTS	Instructor(s)	Periods per Week Theory/ Lab	Location of Practical Training
36	Veterinary Skills III: Farm Animals	VET355	6		2 Theory 4 Lab	Skills Training & Simulation Laboratories, New Medical Sciences Building, Veterinary Floor <ul style="list-style-type: none"> • LK Dairy Farm, Ltd (Bovine) • LA Top Genetics, LTD (Porcine) • Sannen Farm (Ruminant)
7th Semester						
37	Food Hygiene II: Quality Assurance	VET400	6		3 Theory 3 Lab	<ul style="list-style-type: none"> • Kokita Ergostasio Zootrofon (Feed Mill) • Vita Trace Nutrition, Ltd <ul style="list-style-type: none"> • State Veterinary Services (Abattoir) • Ministry of Agriculture (Laboratories) <ul style="list-style-type: none"> • Cypra Ltd (Abattoir) • Blue Island Plc (Fishery) • Neli Emporion Kreaton (Poultry Abattoir) • Protopapas Agricultural Enterprises Ltd (Rabbitry Abattoir)
38	Herd Health Management	VET405	6		2 Theory 4 Lab	<ul style="list-style-type: none"> • LK Dairy Farm, Ltd (Bovine) • LA Top Genetics, LTD (Porcine) <ul style="list-style-type: none"> • Sannen Farm (Ruminant)
39	Farm Animal Medicine II	VET410	6		2 Theory 4 Lab	<ul style="list-style-type: none"> • LK Dairy Farm, Ltd (Bovine) • LA Top Genetics, LTD (Porcine) <ul style="list-style-type: none"> • Sannen Farm (Ruminant)
40	Gross Pathology I	VET415	3		1 Theory 2 Lab	<ul style="list-style-type: none"> • State Veterinary Services (Abattoir) • Ministry of Agriculture (Laboratories) <ul style="list-style-type: none"> • Cypra Ltd (Abattoir) • Blue Island Plc (Fishery)



A/A	Course Name	Course Code	Number of ECTS	Instructor(s)	Periods per Week Theory/ Lab	Location of Practical Training
						<ul style="list-style-type: none"> Neli Emporion Kreation (Poultry Abattoir) Protopapas Agricultural Enterprises Ltd (Rabbitry Abattoir)
41	Small Animal Medicine III	VET420	6		2 Theory 4 Lab	EUC VTH
42	Veterinary Profession: Clinic Management & Legislation	VET425	3		3 Theory	N/A
8th Semester						
43	Food Hygiene III: Quality Inspection	VET430	6		1 Theory 5 Lab	<ul style="list-style-type: none"> Kokita Ergostasio Zootrofon (Feed Mill) Vita Trace Nutrition, Ltd <ul style="list-style-type: none"> State Veterinary Services (Abattoir) Ministry of Agriculture (Laboratories) Cypra Ltd (Abattoir) Blue Island Plc (Fishery) Neli Emporion Kreation (Poultry Abattoir) Protopapas Agricultural Enterprises Ltd (Rabbitry Abattoir)
44	Anesthesiology, Emergency & Critical Care Medicine	VET435	6		2 Theory 4 Lab	<ul style="list-style-type: none"> EUC VTH LK Dairy Farm, Ltd (Bovine) LA Top Genetics, LTD (Porcine) <ul style="list-style-type: none"> Sannen Farm (Ruminant)
45	Farm Animal Surgery	VET440	6		2 Theory 4 Lab	<ul style="list-style-type: none"> LK Dairy Farm, Ltd (Bovine) LA Top Genetics, LTD (Porcine) <ul style="list-style-type: none"> Sannen Farm (Ruminant)
46	Gross Pathology II	VET445	3		3 Lab	<ul style="list-style-type: none"> State Veterinary Services (Abattoir) Ministry of Agriculture (Laboratories)



A/A	Course Name	Course Code	Number of ECTS	Instructor(s)	Periods per Week Theory/ Lab	Location of Practical Training
						<ul style="list-style-type: none"> • Cypra Ltd (Abattoir) • Blue Island Plc (Fishery) • Neli Emporion Kreation (Poultry Abattoir) • Protopapas Agricultural Enterprises Ltd (Rabbitry Abattoir)
47	Small Animal Surgery	VET450	6		2 Theory 4 Lab	EUC VTH
48	Capstone Project	VET455	3		1 Theory 2 Lab	N/A
9th Semester						
49	Clinical Training in Small Animals I	VET500	18		18 Lab	EUC VTH
50	Clinical Training in Farm Animals I	VET505	6		6 Lab	<ul style="list-style-type: none"> • LK Dairy Farm, Ltd (Bovine) • LA Top Genetics, LTD (Porcine) <ul style="list-style-type: none"> • Sannen Farm (Ruminant)
51	Clinical Training in Equines	VET510	6		6 Lab	<ul style="list-style-type: none"> • MJSC Sports LTD (Horses) • Lapatsa Stables (Horses)
10th Semester						
52	Clinical Training in Small Animals II	VET515	15		15 Lab	EUC VTH
53	Clinical Training in Farm Animals II	VET520	12		12 Lab	<ul style="list-style-type: none"> • LK Dairy Farm, Ltd (Bovine) • LA Top Genetics, LTD (Porcine) <ul style="list-style-type: none"> • Sannen Farm (Ruminant)

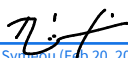
A/A	Course Name	Course Code	Number of ECTS	Instructor(s)	Periods per Week Theory/ Lab	Location of Practical Training
54	Elective*	-----	3			
*Elective Courses Students select one courses from the following:						
55	Animal Assisted Therapy	VET525	3		3 Theory	N/A
56	Companion Animal Nutrition	VET530	3		3 Theory	N/A
57	Animal Health Products & Services	VET535	3		3 Theory	N/A
58	Animals & Social Development	VET540	3		3 Theory	N/A

N/A – Not Applicable

We thank the CY.Q.A.A. for their constructive feedback and recommendations and we are at your disposal for further clarifications.

Kind regards,

Sincerely,


 Loizos Symeou (Feb 20, 2024 14:53 GMT+2)

Prof. Loizos Symeou
 Vice Rector of Academic Affairs

Encls. (2)

APPENDIX I

A/A	NAME
1.	Prof. Dimitrios Raptopoulos
2.	Prof. Kypros Protopapas
3.	Dr. Stephanos Christodoulides
4.	Dr. Christos Karagiannis
5.	Dr. Kyriaki Markoullis Zenonos
6.	Dr. Charalambia Michael

CURRICULUM VITAE

Dimitrios Raptopoulos DVM, PhD, DVA, Dip. ECVAA, Hon. Member AVA & ECVAA

Professor Emeritus, School of Veterinary Medicine,
Aristotle University of Thessaloniki, Greece

1. Personal Data

First name: Dimitrios
Surname: Raptopoulos
Born: 15.09.1946
Nationality: Greek
Gender: Male
Marital status: Married, one daughter

Address:

G. Vizienou 23-25
GR-54636 Thessaloniki
Greece
Tel: + 30 2310202247
Mobile: +30 6937178025
E-mail: drapto@vet.auth.gr

2. Qualifications, Institutions and Dates on which they were obtained

- DVM, School of Veterinary Medicine of Thessaloniki (SVMT) (Dec. 1969)
- PhD, SVMT (1976)
- DVA (Diploma in Veterinary Anaesthesia), Royal College of Veterinary Surgeons, UK (1978)
- Invited Specialist and Founding Diplomate, European College of Veterinary Anaesthesia and Analgesia (ECVAA) (1995)

3. Distinctions and Awards

- Invited Specialist and Founding Diplomate, ECVAA (1995).
- Professor Emeritus, Aristotle University of Thessaloniki (AUTH) (May 2012).
- Honorary Member ECVAA (2014)
http://www.ecvaa.org/index.php?option=com_content&task=view&id=584&Itemid=117
- Honorary Member, Association of Veterinary Anaesthetists (AVA) (2018)
- 2019 EBVS Award for Outstanding Contributions to the Course of Veterinary Specialisation in Europe (2020) <https://ebvs.eu/news/ebvs-award-2019>

4. Professional, Academic and other Posts of Interest or Relevance

4.1 *In International Organisations*

- Chief Executive Officer (CEO) of the European Board of Veterinary Specialisation (EBVS) (2013-2018), with significant contribution, among others, to the establishment of appropriate Quality Assurance policies as well as to the development of the requirements regarding the Knowledge, Skills and Competences European Veterinary Specialists must meet upon certification by the EBVS-recognised Speciality Colleges.
- Founding Member of ECVAA. Invited Specialist and Honorary Secretary of the Interim Board of the newly established College (1995-1999), and elected Secretary (1999-2002) (http://www.ecvaa.org/index.php?option=com_content&task=view&id=480&Itemid=115), with active involvement in formulating the official ECVAA documents, including the curriculum of the residency programmes of the College.
- President of ECVAA (2002-2005).
- Past-President of ECVAA (2005-2008).
- Chairman of the Credentials & Education Committee of ECVAA (2005-2011).
- President (2000-2002) and Vice-President (1998-2000) of the AVA.
- Permanent member of the Council of the World Congress of Veterinary Anaesthesiology (WCVA) (since 1997).
- President, Council of WCVA (2006-present).
- Representative of Greece to EU Committee for the review of the Professional Qualifications Directive (2005/36/EC) (2011).
- Nominated as European Expert in order to assist the Committee for Veterinary Medicines (CVMP) (2012).
- Visiting Assistant Professor, Veterinary School, University of Gainesville, Florida, USA, 1985 (6 months).
- Post-graduate studies in Bristol Veterinary School towards obtaining the Diploma in Veterinary Anaesthesia of the Royal College of Veterinary Surgeons (RCVS, UK, 1976-1978, 28 months).
- Research Associate, University of Bristol, UK (1987, 1988, 1992, 14 months).

4.2 *In Aristotle University of Thessaloniki*

- Member of the Senate of Aristotle University of Thessaloniki (AUTH) (2003-2007).
- Vice-Chairman, Executive Committee of Central Library, AUTH (2007-2010).
- Elected Board Member of the Research Committee, AUTH (2007-2010).
- Member, Committees for Quality Assurance, for Ranking of Universities, and for implementation of the Diploma Supplement, AUTH (2010-2012)

4.3 *In the School of Veterinary Medicine*

- Instructor, Lecturer, Ass. & Assoc. Professor, SVMT (1972-1995).
- Professor of Veterinary Surgery-Anaesthesiology, SVMT (1995-2011) (retired from academia on December 30th, 2011).
- Dean, SVMT (2003-2007).
- Head, Department of Clinical Sciences and Clinic of Companion Animals, SVMT (for a total of 8 years).
- Member, Executive Committee of the School of Veterinary Medicine of Karditsa, Greece (2000-2001).
- Chairman, Executive Committee of Postgraduate Studies Programme of the SVMT (2007-2008)
- Member, Committee for Strategic Planning of the SVMT (2008-2009)
- Chairman, Committee of Research and Deontology of the SVMT (2009-2011)
- Chairman, Curriculum Committee, SVMT (2000-2003).
- Chairman of a working group, which visited 17 Faculties of Veterinary Medicine in Europe and USA to study their Curriculum and propose a new curriculum that was approved by the SVMT and implemented in 2003.
- Chairman of the Committee for the Internal Evaluation SVMT (2009-2011).
- Chairman of the Committee for preparation of the Self Evaluation Report (SER) and Liaison Officer for the 2011-2012 successful evaluation of the SVMT by the European Association of Establishments for Veterinary Education (EAEVE), the body responsible for the evaluation and accreditation of the Veterinary Schools in Europe.
- Significant contribution to the preparation of the SER, mainly in relation to Quality Assurance policies and the Strategic Plan of the School, including SWOT Analysis, for the recent, also successful, evaluation of the SVMT by EAEVE (2021-2022).

4.4 *In Greek State Organisations*

- Board Member, National Organisation for Medicines, Greece (2005-2009).
- President of the Pharmacovigilance Committee, Greece (2004-2012).
- Board Member, National Academic Recognition and Information Center, Greece (2007-2009).

4.5 *Other*

- Since September 2022, I am the Head of the Educational Section of “Asclepius One Health”, an independent Non Profit Organisation, based in Greece and with international action. It constitutes a platform of open dialogue, for the critical issues that occupy the global community, through the design and the application of actions, including education.

5. Languages

- Greek, mother language
- English

6. Attendance at Congresses, Publications and other Scientific Activities

- Attendance of 167 Congresses/Seminars, 71 Greek and 96 international, with more than 140 presentations.
- Publications: 116 papers in scientific journals or congress proceedings, and 76 abstracts in proceedings of international or local congresses.
- Member of the Editorial Board of the journal “Veterinary Anaesthesia and Analgesia”, and reviewer in various scientific journals in Greece and abroad.
- Chairman of Organizing and/or Scientific Committees of three World, three European, and a number of local Congresses.
- Invited speaker in many national and international/world Congresses, including lectures on Specialisation, Veterinary Education, and University Assessment.
- Supervision of 8 PhD students, and member of the examining committee for a number of PhD candidates in Greece and two abroad.
- Research focused primarily on gastro-oesophageal reflux during anaesthesia, and preoperative fasting in dogs and cats.

Abbreviations

AVA Association of Veterinary Anaesthetists

DVA Diploma in Veterinary Anaesthesia

DVM Diploma in Veterinary Medicine

EAEVE European Association of Establishments for Veterinary Education

EBVS European Board of Veterinary Specialisation

ECVAA European College of Veterinary Anaesthesia and Analgesia

FVMT Faculty of Veterinary Medicine of Thessaloniki

RCVS Royal College of Veterinary Surgeons, UK

SER Self-Evaluation Report

WCVA World Congress of Veterinary Anaesthesiology

Curriculum Vitae

Name: Kypros Ph. Protopapas

Address: 1 Agiou Kyprianou street , Agioi Trimithias, 2671 Lefkosia. CYPRUS

Tel: 00357 99 694114

Email: protopapaskip@gmail.com

Sex Male | Date of birth 25/12/1970 | Nationality Cypriot

Education- Training

2021-2022: Master in Business Administration (MBA) degree, Mediterranean Institute of Management (Lefkosia, Cyprus)

1997-2000: Residency in Equine Surgery and Doctor in Veterinary Medicine (DVetMed) degree, Royal Veterinary College, University of London. The doctorate thesis produced entitled: 'Studies on metabolic disturbances and other postoperative complications following equine colic surgery.'

1996-1997: Master in Veterinary Medicine (MVetMed) degree, Royal Veterinary College, University of London which included a project on Feeding Racehorses.

1996: Award of scholarship from the Greek Scholarship Foundation for four year abroad studies.

1995-1996: Residency in the Obstetric Clinic, Faculty of Veterinary Medicine, Aristotelion University of Thessaloniki.

1990-1995: Bachelor of Veterinary Medicine, Faculty of Veterinary Medicine, Aristotelion University of Thessaloniki.

Work experience

April 2023: Official Veterinary Officer of Cyprus Turf Club (full time employment).

2012: Creation and management of a private agricultural enterprise. It mainly involved in: a) electricity production (Photovoltaic Park 100KW, trackers) and b) rabbit meat production. The rabbitry is a modern unit that includes rabbit farm and slaughterhouse, funded from the Cyprus Rural Development Programmes 2007-2013 and 2014-2020.

Since 2000 practicing veterinary profession. Equine Practice (Surgery, Medicine, Reproduction) and paddock veterinary officer duties during races at Nicosia Racetrack. Admin of the Equine Clinic of Nicosia Raceclub. Extensive experience on all aspects of veterinary profession in Cyprus.

Teaching experience

Teaching and assessing students during the Equine Surgery Residency 1997-2000:

- Cohorts of 4-5 final year students every week on clinical duties (rotations), including out of hours duties.
- Practical seminars on basic surgical skills to 4-year-students.

Supervision of a number of final year students every year to fulfil their extramural requirements.

Skills- Interests

Excellent communication skills, extremely organised and reliable, highly motivated team- working person, excellent problem- solving skills.

Experience on office suite such as word processor, spread sheet, presentation software and photo editing software.

Enjoy work in academic environment, teaching students, doing research. Extensive experience in experimental design, data collection- analysis.

International judge and Member of the Management Board of the Cyprus Pointer Setter Club. Heavily involved in breeding, training and competing English Pointer dogs.

Mother Tongue: Greek

Other Language: English

Publications

- Protopapas, K., Marr, C. M., Archer, F. J. and May, S. A. (1999) Post operative risk factors influencing survival following equine abdominal surgery, Proceedings 38th British Equine Veterinary Association Congress, Harrogate, 187
- Protopapas, K. (2000) Studies on Metabolic Disturbances and other Post- Operative Complications Following Equine Colic Surgery. DVetMed Thesis, University of London
- Protopapas, K., Marr, C. M., Wilson, A., Archer, F. J. and May, S. A. (2000) Haematological and Biochemical Findings During Hospitalisation In Horses Following Colic And Elective Surgery, Proceedings 39th British Equine Veterinary Association Congress, Birmingham, 218
- Protopapas, K., Marr, C. M., Wilson, A., Archer, F. J. and May, S. A. (2000) The Prevalence And Biochemical Abnormalities Associated With Hyperlipaemia In Horses Following Colic surgery, Proceedings 39th British Equine Veterinary Association Congress, Birmingham, 218
- Protopapas, K., Marr, C. M., Archer, F. J. and May, S. A. (2000) Ultrasonographic assessment and factors associated with incisional infection and dehiscence following celiotomy in horses. Proceedings 9th Annual Scientific Meeting, The European College of Veterinary Surgeons, Bern, Switzerland, 51-55

- Protopapas, K., Marr, C. M., Archer, F. J. and May, S. A. (2000) Ultrasonographic assessment and factors associated with incisional infection and dehiscence following celiotomy in horses. *Vet. Surg.* **29**, 289
- Κ. Πρωτοπαπάς, Κ. Σπανούδης, Ν. Διακάκης, Γ. Δ. Μπρέλλου (2010) Πρώτη Ανακοίνωση Της Δυσαιτονομίας Του Αλόγου Στην Κύπρο: Αναφορά Σε Δυο Περιστατικά, 9^ο Πανελλήνιο Συνέδριο Κτηνιατρικής Ζώων Συντροφιάς, 35
- Protopapas KF, Spanoudes KAM, Diakakis NE et al. (2012) Equine grass sickness in Cyprus: a case report. *Turk. J. Vet. Anim. Sci* 36(1):85-87

References

Stephen A May MA VetMB PhD DVR DEO FRCVS DipECVS FHEA
Senior Vice-President, Royal College of Veterinary Surgeons
Professor of Education and Senior Vice-Principal, Royal Veterinary College
Hawkshead Lane, North Mymms, Hatfield, Hertfordshire AL9 7TA, UK
+44 1707 666270 smay@rvc.ac.uk

CURRICULUM VITAE

Dr. Stephanos Christodoulides BSc (Hons) PGCert QDip MSc PhD RD ANutr

Clinical Dietitian-Nutritionist and Sports Nutritionist (United Kingdom)

Chemist-Biochemist

Email CY: s.christodoulides@external.euc.ac.cy, UK: s.christodoulides@qmul.ac.uk Tel. CY: (+357) 99 376 421, UK: (+44)7817708181

LinkedIn: <https://www.linkedin.com/in/stephanos-christodoulides-69964242/>

Present appointment

Scientific Collaborator,
European University Cyprus,
School of Medicine

Address

6 Diogenis Street
2404 Engomi, Nicosia
Cyprus

Education

PhD Digestive Diseases & Nutrition	University of London	May 2019
QDip Researcher Development	Queen Mary University of London	May 2019
PG Cert Applied Sports Nutrition	St Mary's University, London	Nov 2011
BSc (Hons) Dietetics (2.1)	University of Plymouth	Feb 2011
MSc Clinical Nutrition (Distinction)	University of Roehampton, London	Oct 2009
MSc Biochemistry (Distinction)	University of Patras	Oct 2006
Certificate Oenology	University of Patras	Dec 2004
BSc (Hons) Chemistry (2.1)	University of Patras	Jul 2003

Professional registration and membership

Registered Clinical Dietitian, UK (HCPC registration - DT26111)
Registered Clinical Dietitian, CY (CyRBFSTD registration - 437)
Registered Nutritionist, UK (UKVRN registration - ARN4841)
Registered Sports Nutritionist, UK (SENr registration - 0018GRAD)
British Dietetic Association (BDA) - Full Member
Nutrition Society (NS) - Full Member
Association for Nutrition (AfN)
European Society for Clinical Nutrition & Metabolism (ESPEN)

Employment

Scientific Collaborator	European University Cyprus	Oct 2019-present
Postdoctoral Research Associate	King's College London	Jan 2019-Dec 2022
Research Associate	King's College London	Jun 2013-Jan 2019
Doctoral Researcher	Queen Mary University of London	Feb 2013-Jan 2019
Dietetic & Sports Nutrition Consultant	Freelance, Nicosia-Cyprus / London-UK	Feb 2011-present
Clinical Dietitian Trainee	GRH/RUH/RBH, UK	Jan 2010-Jul 2010
Clinical Research Fellow	Great Ormond Street Hospital, UK	Jun 2009-Aug 2009

Over the past 12 years, I have held diverse roles in academia, contributing significantly to the field. My journey includes positions as a Research Associate at King's College London within the Department of Nutritional Sciences, a Doctoral Researcher at Queen Mary University of London at Barts and The London School of Medicine, and a Postdoctoral Research Associate back at King's College London in the Department of Nutritional Sciences. Concurrently, I've served as a scientific collaborator at the European University Cyprus, School of Medicine. Furthermore, since 2011, I have been a UK Registered Clinical Dietitian, Nutritionist, and Sports Nutritionist. For over 14 years, my professional focus has extended to working as a Clinical Dietitian with expertise in managing patients with digestive diseases. Over the last four years, I've also contributed my skills and expertise to the national health system (GeSY). Additionally, I have served as a sports nutrition consultant, blending my academic insights with practical applications in the field

Teaching experience

MD (Doctor of Medicine) and BDS (Bachelor of Dental Surgery) teaching at European University Cyprus (2019-present)
-Course coordinator for the "Clinical Nutrition and Metabolism" (MD) course and the "Foundations of Nutrition" (BDS) course
-Course instructor for the "Medical Biochemistry I" (MD) course and the "Medical Biochemistry II" (MD) course
BSc Biomedical Sciences teaching at European University Cyprus (2022-present)
-Course coordinator for the "Clinical Chemistry" course, the "Biochemistry I" course, and the "Biochemistry II" course
MSc Clinical Dietetics teaching at European University Cyprus (2023-present)
-Course coordinator for the "Special Issues in Clinical Dietetics and Nutrition of Children and adolescents" course
-Course coordinator for the "Special Issues in Nutrition and Metabolism" course
BSc teaching at Cyprus University of Technology (2019)
-Course coordinator for the "Human Nutrition and Health" course
MSc Gastroenterology teaching at Queen Mary University of London (2015-2019)
-Course coordinator for the "Nutrition and Gastrointestinal Health and Disease" course

Over the past 10 years, I have dedicated myself to teaching both undergraduate (BSc) and postgraduate (MSc) students. This includes four years of MSc teaching at Queen Mary University of London and six years of instructing MD, BDS, BSc, and MSc students at European University Cyprus. My extensive qualifications equip me to deliver instruction across a diverse range of subjects, ranging from Medical Biochemistry, Clinical Chemistry, Clinical Nutrition and Dietetics, Sports Nutrition, Nutritional Biochemistry, Nutrition and Metabolism, to Nutritional Microbiology and Animal Nutrition, among others. I therefore bring substantial expertise to academic teaching, backed by an impressive track record of over 3000 teaching hours. This wealth of experience underscores my extensive knowledge and proficiency in effectively guiding students across diverse learning environments. My dedication to improving medical education is also evident through my consistent attainment of high scores in instructor evaluations by students

Supervision of students

BSc student supervision: 4

MSc student supervision: 14

PhD student co-supervision: 2

Since 2015, I have actively supervised both undergraduate and postgraduate students at esteemed institutions such as Queen Mary University of London, King's College London, and European University Cyprus, among others, ensuring the successful completion of their theses. This extensive experience has equipped me with the expertise to skillfully supervise theses at BSc, MSc, and PhD level

Research interests/experience

Nutrition and gastrointestinal health and disease

Gut microbiota, transit time and gastrointestinal health

Dietary interventions using randomized controlled trials (fibre, prebiotics, probiotics, synbiotics, FODMAPs, whole foods, dietary advice), systematic reviews and meta-analyses as well as observational studies

I have substantial research experience within the field of digestive diseases and nutrition over the past 12 years. Since 2013, I've been a dedicated contributor to the Diet and Gastrointestinal Health Group at King's College London, housed within the Department of Nutritional Sciences. This group, under the leadership of the esteemed Professor Kevin Whelan, has been the focal point of my active engagement and research involvement. I have undertaken research on nutrition-based interventions, exploring the efficacy of various elements such as fibre, prebiotics, probiotics, synbiotics, and the low FODMAP diet in promoting gastrointestinal health. My primary focus is to advance the understanding of the role of dietary therapies in managing functional bowel disorders, notably chronic constipation and irritable bowel syndrome. Additionally, my research extends to examining the influence of diet on the gut microbiota and overall gut health. I have contributed to numerous peer-reviewed publications in the field of nutrition and gastroenterology, accumulating over 1050 citations on Google Scholar, more than 850 citations on ResearchGate, and 700 citations on Scopus. Several of my papers have garnered over 100 citations each, underscoring their impact. In addition to my publications, I have presented my research findings at both national and international conferences. The significant number of citations of my published work and the substantial funding I have received to date are evidence of the international recognition of my research. Furthermore, I actively serve as a reviewer for various peer-reviewed international medical journals, engaging with the scholarly community to uphold rigorous standards in research dissemination

Publications

1. **Stephanos Christodoulides**, Charalambos Michaeloudes, Anastasis Stephanou & Ioannis Patrikios. Fats that Heal or Kill: Updates on the Effects of Omega-3 and Omega-6 Polyunsaturated Fatty Acids in Cardiovascular Disease. **Book Chapter (Springer)**. Under review.
2. Charalampos Filippou, Sophia C. Themistocleous, Christina A. Kousparou, Zoi-Dorothea Pana, Stylianos Kakoullis, **Stephanos Christodoulides**, Christos Argyropoulos, Elizabeth O. Johnson, Constantinos Tsioutis and Andreas Yiallouris. Microbial-based therapies in cancer treatment under the One Health Initiative. **Book Chapter (Springer)**. Under review.
3. Ioannis Papavasileiou, Maria-Areti Salamouri, Dionisis Grassos, Maria-Theodora Manolakou and **Stephanos Christodoulides**. Mechanisms of Action of Probiotics and the Microbiota Against Periodontal Disease. **Nutrients**. Under review.
4. **Stephanos Christodoulides**, Ksenia Evsegneeva, Johua Wong, Konstantinos Pavlou, Kacper Bielewicz, and Konstantinos Fragkos. The effect of synbiotic supplementation on chronic idiopathic constipation in adults: a systematic review and meta-analysis of randomized controlled trials. **Biomolecules**. Under review.
5. Charalambos Michaeloudes, **Stephanos Christodoulides**, Panayiota Christodoulou, Theodora-Christina Kyriakou, Ioannis Patrikios and Anastasis Stephanou (2023) Variability in the Clinical Effects of the Omega-3 Polyunsaturated Fatty Acids DHA and EPA in Cardiovascular Disease—Possible Causes and Future Considerations, **Nutrients**; 15: 4830-4848.
6. Andrea Tryfonos, Filippou Christodoulou, George M. Pamboris, **Stephanos Christodoulides** and Anastasios A. Theodorou (2023) Short-Term L-Citrulline Supplementation Does Not Affect Blood Pressure, Pulse Wave Reflection, or Arterial Stiffness at Rest and during Isometric Exercise in Older Males, **Sports**; 11: 177-189.

7. Lorenzo De Fraia, **Stephanos Christodoulides** and Ioannis Patrikios (2023) Laxative effect of prebiotics in chronic constipation: Mechanisms of action, **Magna Scientia Advanced Biology and Pharmacy**; 9: 8-13.
8. Mousa Al Rawashdeh, Eleni Anastasilaki, Alice Antenucci, Giulia Antenucci, Zisis Barmpas, **Stephanos Christodoulides** and Ioannis Patrikios (2020) Lifestyle Risk Factors and Management of Obesity: A Mini Review, **Cardiovascular Disorder and Medicine**; 2: 1-6.
9. Gursharan Kaur Nandhra, Esben Bolvig Mark, Gian Luca Di Tanna, Anne-Mette Haase, Jakob Poulsen, **Stephanos Christodoulides**, Victor Kung, Mette W. Klinge, Karoline Knudsen, Per Borghammer, Katrine O. Andersen, Lotte Fynne, Nanna Sutter, Vincent Schlageter, Klaus Krogh, Asbjørn Mohr Drewes, Malcolm Birch, S. Mark Scott (2020) Normative values for region-specific colonic and gastrointestinal transit times in 111 healthy volunteers using the 3D-Transit electromagnet tracking system: Influence of age, gender, and body mass index, **Neurogastroenterology and Motility**; 32: 13734-13748.
10. Eirini Dimidi, Ausra Zdanaviciene, **Stephanos Christodoulides**, Shiva Taheri, Petra Louis, Peter I. Duncan, Nashmil Emami, Rafael Crabbe, C. Antonio DeCastro, Peter McLean, Gabriela E. Bergonzelli, Kevin Whelan, S. Mark Scott (2019) Randomised clinical trial: *Bifidobacterium lactis* NCC2818 probiotic versus placebo, and impact on gut transit time, symptoms, and gut microbiology in chronic constipation, **Alimentary Pharmacology and Therapeutics**; 49: 251-264.
11. Eirini Dimidi, **Stephanos Christodoulides**, S. Mark Scott, and Kevin Whelan (2017) Mechanisms of Action of Probiotics and the Gastrointestinal Microbiota on Gut Motility and Constipation, **Advances in Nutrition**; 8: 484-494.
12. **S. Christodoulides**, E. Dimidi, K. C. Fragkos, A. D. Farmer, K. Whelan & S. M. Scott (2016) Systematic review with meta-analysis: effect of fibre supplementation on chronic idiopathic constipation in adults, **Alimentary Pharmacology and Therapeutics**; 44: 103-116.
13. Eirini Dimidi, **Stephanos Christodoulides**, Konstantinos C. Fragkos, S. Mark Scott, and Kevin Whelan (2014) The effect of probiotics on functional constipation in adults: A systematic review and meta-analysis of randomized controlled trials, **American Journal of Clinical Nutrition**; 100: 1075-1084.
14. **Christodoulides S.**, Neal E. G., Fitzsimmons G., Chaffe H. M., Jeanes Y.M., Aitkinhead H., & Cross J. H. (2012) The effect of the classical & medium chain triglyceride ketogenic diet on vitamin & mineral levels, **Journal of Human Nutrition & Dietetics**; 25: 16-26.

My research output consists of numerous original articles published in peer-reviewed journals renowned for their high impact factors (IF). Noteworthy publications include articles in *Advances in Nutrition* (IF=9.3), *Alimentary Pharmacology & Therapeutics* (IF=7.6), *American Journal of Clinical Nutrition* (IF=7.1), and *Nutrients* (IF=5.9)

Conference papers

1. **S. Christodoulides**, E. Dimidi, K. C. Fragkos, K. Whelan & S. M. Scott (2015) The Effect of Fibre on Chronic Constipation in Adults: A Systematic Review and Meta-Analysis, **Proceedings of the Nutrition Society**; 74: E34.
2. SD Mohammed, YT Wang, A Farmer, **S Christodoulides**, J Semler, P Hellstrom, A Hobson, P Dinning, SM Scott (2015) Slow transit constipation is associated with altered colonic pH and increased motility: Novel findings from studies using the wireless motility capsule, **Gut**; 64: PWE-247.
3. E Dimidi, **S Christodoulides**, KC Fragkos, SM Scott, K Whelan (2014) A meta-analysis of randomised controlled trials on the effect of probiotics on functional constipation in adults, **Gut**; 63: PWE-164.
4. **S Christodoulides**, E Dimidi, KC Fragkos, PG McLean, Q Aziz, K Whelan, SM Scott (2014) The effect of fibre on chronic constipation in adults: A systematic review, **Gut**; 63: PWE-184.
5. E. Dimidi, **S. Christodoulides**, K. C. Fragkos, S. M. Scott & K. Whelan (2014) The Effect of probiotics on Functional Constipation: A Systematic Review of Randomised Controlled Trials, **Proceedings of the Nutrition Society**; 73: E16.
6. H. F. Inci, S. Smith, **S. Christodoulides**, T. Swain, C. Sanders-Wright and J. Beal (2011) The effect of consumption of the commercial probiotic strain *Bifidobacterium animalis* dn-173010 on oro-cecal transit times in healthy adults, **Journal of Human Nutrition & Dietetics**; 24: 290.

I have showcased my research findings at both national and international conferences and have further disseminated them through the publication of several conference papers in esteemed journals with high impact factors (IF). Notable examples include publications in *Gut* (IF=24.5) and *Proceedings of the Nutrition Society* (IF=7.0)

Oral presentations at international conferences

1. The Nutrition Society Annual Summer Meeting on Carbohydrates in health, Glasgow, Scotland, UK, July 2014. The Effect of Fibre on Chronic Constipation in Adults: A Systematic Review and Meta-Analysis.
2. British Society of Gastroenterology Annual Meeting, Manchester, England, UK, June 2014. The effect of fibre on chronic constipation in adults: A systematic review.
3. Global Symposium on the Dietary Treatments for Epilepsy and other Neurological Disorders, Edinburgh, Scotland, UK, October 2011. Vitamin A and E, zinc, selenium and magnesium levels after 12 months on the ketogenic diet: classical versus MCT diet.

Research grants (as Postdoctoral Research Associate)

Probiotics for the prevention of SIBO in patients with GORD newly treated with PPIs -Yakult Europe (2019-present)	£170,000
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In my role as a Postdoctoral Research Associate, I have demonstrated proficiency in developing successful funding proposals. Notably, I recently authored a successful grant proposal for a research study investigating the impact of probiotics in preventing small intestinal bacterial overgrowth (SIBO) in patients newly treated with proton-pump inhibitors (PPIs) for gastro-oesophageal reflux disease (GORD). This proposal secured a grant of £170,000 from Yakult Europe.

Referees

1. **Professor Konstantinos Dimas**, Faculty of Medicine, University of Thessaly
Email: kdimas@uth.gr
2. **Dr Anastasios A. Theodorou** - Associate Professor, Chair of the Department of Life Sciences, European University Cyprus
Email: A.Theodorou@euc.ac.cy

S Christodoulides

January 30th, 2024



Dr. Christos Karagiannis

DVM, MSc, Diplomate ECAWBM(BM), MRCVS

RCVS Veterinary Specialist in Behavioural Medicine

EBVS® European Veterinary Specialist in Behavioural Medicine

Address: Pelika 33, Marousi, Athens, Greece, 15122

Email: ckaragiannis@behaviour.gr / christosdvm@gmail.com

Telephone: +30 2118001111 / +30 6944714490

I am a veterinary behaviourist, with shared roles between clinical work and teaching. My main interests are canine and feline behaviour and welfare. I can comfortably teach the majority of the subjects related to animal behaviour and welfare.

TEACHING EXPERIENCE

2020 – Present

Visiting Lecturer | National and Kapodistrian University of Athens

Teaching lessons about Animal Behaviour and Welfare to the Interinstitutional MA Program Animal Welfare, Ethics and the Law which is offered by the Department of Philosophy of the National and Kapodistrian University of Athens and the Hellenic Pasteur Institute.

2016 – Present

Scientific Director | Private Education Center, Pets Pro Academy

I have created a private Continuing Education Center, named Pets Pro Academy, which offers two courses, one for Dog Training and Behaviour and one for Veterinary Nursing, where I teach all the lessons that are related to animal behaviour and animal behavioural problems.

2011 - Present

Visiting Lecturer | Veterinary School, Aristotle University of Thessaloniki

Teaching undergraduates and postgraduate students about animal behaviour and behavioural problems.

2011 - Present

Other experience includes:

- Invited speaker on subjects related to companion animal behaviour at many congresses nationally and internationally.
- Tutor on the distance learning part of Improve International teaching about Feline Behaviour.
- Seminars and lectures about canine and feline behaviour for veterinary pharmaceutical companies.
- Member of the expert panel of International Cat Care.
- Member of the the Scientific Committee of the Dog Rehoming Project.

CLINICAL EXPERIENCE

2015 – Present

Veterinary Behaviourist | Private Referral Behaviour Clinic, Athens, Greece

I have set up the first referral behavioural clinic in Greece. The number of the animal behaviour cases that I see during those years is increasing every year.

2010 – 2014

Resident | Animal Behaviour Clinic, University of Lincoln, UK

Residency for the European College of Welfare and Behavioural Medicine with Prof. Daniel Mills.

2009 – 2013

Part-time Veterinary Surgeon | The Veterinary Hospital, Lincoln, UK

- Consultations.
- Routine operations.

EDUCATION / QUALIFICATIONS

2015

RCVS Veterinary Specialist in Behavioural Medicine

2015

EBVS® European Veterinary Specialist in Behavioural Medicine

2011

MSc in Clinical Animal Behaviour | University of Lincoln, UK

2008

Doctor of Veterinary Medicine | Aristotle University of Thessaloniki, Greece

PUBLICATIONS

- Mills, Daniel; Karagiannis, Christos; Zulch, Helen; „Stress—its effects on health and behavior: a guide for practitioners, *Veterinary Clinics: Small Animal Practice*, 44,3,525-541, 2014, Elsevier
- Karagiannis, Christos; Mills, Daniel; „Feline cognitive dysfunction syndrome, *Veterinary Focus*, 24,2,42-47, 2014,
- Karagiannis, Christos I; Burman, Oliver HP; Mills, Daniel S; „Dogs with separation-related problems show a “less pessimistic” cognitive bias during treatment with fluoxetine (Reconcile™) and a behaviour modification plan, *BMC veterinary research*, 11,1,1-10, 2015, BioMed Central
- Karagiannis, Christos; Heath, Sarah; „Understanding emotions, “Feline behavioral health and welfare. St Louis, MO: Elsevier Health Sciences”, ,228, 2015,
- Karagiannis, Christos; „Stress as a risk factor for disease, “Feline behavioral health and welfare. St Louis, MO: Elsevier”, ,138-147, 2015,

- Piotti, Patrizia; Karagiannis, Christos; Satchell, Liam; Michelazzi, Manuela; Albertini, Mariangela; Alleva, Enrico; Pirrone, Federica; ,Use of the Milan Pet Quality of Life Instrument (MPQL) to Measure Pets' Quality of Life during COVID-19,Animals,11,5,1336,2021,Multidisciplinary Digital Publishing Institute
- Piotti, Patrizia; Albertini, Mariangela; Trabucco, Lidia Pia; Ripari, Lucia; Karagiannis, Christos; Bandi, Claudio; Pirrone, Federica; ,Personality and Cognitive Profiles of Animal-Assisted Intervention Dogs and Pet Dogs in an Unsolvable Task,Animals,11,7,2144,2021,Multidisciplinary Digital Publishing Institute

PROFESSIONAL MEMBERSHIPS

- Member of Hellenic Veterinary Surgeons Association.
- Member of Royal College of Veterinary Surgeons (MRCVS), (Membership Number 6512745)
- Member of American Veterinary Society of Animal Behaviour (AVSAB)

Dr. Kyriaki Markoullis Zenonos , DVM, PhD

Tel: +35799417691

Email: kikmarzen2011@gmail.com

Letter of Interest

It is with great enthusiasm that I am writing to express my interest and apply for the academic positions in the veterinary medicine of EUC as advertised on your official website. I am a veterinarian and PhD with many years of research experience and lab work. I am extremely interested in obtaining a faculty position in this newly-established Veterinary Medicine Program (in which I actively participated with my presence on the accreditation day of the VET program) and I am particularly excited as I will be able to teach students basic sciences and at the same time run my own research and develop my scientific interests.

I completed my PhD at the Department of Comparative Medicine in one of the biggest research centers in Germany where laboratory and animal works were daily routine. I learned a lot of techniques and methods and participated in workshops, seminars and meetings all of which constituted the fundamental basis for my development as researcher. During my post-doctoral years, I worked in the field of Neuroscience and Comparative Pathology, studying neurodegenerative diseases and more specific Multiple Sclerosis using animal models as study tools. In addition, I supervised MSc students during their projects. As my CV presents, I believe that I am a suitable candidate for the position of Animal Pathology even though I could be appropriate for some more disciplines posted on your advertisement. I would be really excited if I had the opportunity on the one hand to introduce veterinary students the study of disease and the underlying mechanisms leading to abnormal conditions, helping them develop a critical thinking and skills that enable them to work independently and responsibly and on the other hand to continue my research in neurodegenerative diseases as well as enrich my research interests and expand them. It would be great if under the concept of One Health I would be able to apply the gained knowledge of previous years in research for the benefit and the wellbeing of companion or other animals.

I am a competent, smart, motivative, enthusiastic, responsible, goal-oriented person. My life motto is life-long learning. For this reason, the last 16 months among others, I am attending Russian lessons. I consider myself a citizen of the world as I lived in many different countries (Greece, Germany, India, Poland and Russia). I had the great opportunity to learn about new places and cultures, meet new people and habits brightening up my horizons and contributing all together to my personal growth. I am really happy to apply for a position in the EUC, a university with students from more the 90 countries from all over the world. I am ready for new professional challenges and actions as a full-time faculty member employed in a friendly, productive and creative environment.

In view of my professional experience, I am confident that I have all the necessary and appropriate qualifications and skills required for this position making me a strong candidate. I hope you will carefully review my application for employment and give a serious consideration for an interview. I am looking forward to discussing with you my potential role as a faculty member. As requested, I am sending my CV, proof of qualifications and sample of representative publications. Reference letters on my behalf will be arrived separately. I look forward to hearing from you soon.

Sincerely,

Dr. Kyriaki Markoullis Zenonos , DVM, PhD

Dr. Kyriaki Markoullis Zenonos, DVM, PhD

Career Objective statement

A competent, responsible, motivative, enthusiastic, goal-oriented person with many years of professional experience and expertise in research with rich track record as proof of intensive and productive work, ready to accept new challenges and assignments. Ready to return back to professional action in a friendly, productive and creative environment. To have a position that enables me to use my skills and educational background for further personal growth. To work with motivated and dedicated people helping them develop logical critical thinking and skills that enable them to work individually or in teamwork for problem solving and decision making.

Personal data

Name: Kyriaki Markoullis Zenonos

Date and Place of birth: 22.01.1977, Larnaca, Cyprus

Nationality: Cypriot, German

Name of Father: Georgios P. Markoullis, Cypriot

Name of Mother: Heidi Ilse Goetz, German

Marital Status: married to Mr. Andreas Zenonos

Telephone: +35799417691

Email address: kikimazen2011@gmail.com

PROFESSIONAL EXPERIENCE

- Sept 2017-April 2019: Worked as post-doctoral Researcher at the Department of Molecular Virology of Dr. C. Christodoulou at CING, Nicosia, Cyprus. I established the TMEV-IDD mouse model of MS (Theiler's Murine Encephalomyelitis Virus induced Demyelinating Disease). Moreover, I co-supervised two MSc students in the following projects: "Tropism of Herpes Simplex Virus 1 and Epstein-Barr virus in different cells of the central nervous system: implications for Multiple sclerosis", and "Differential targeting of CNS cell subtypes by pseudotyping of Lentiviral vectors". I established and evaluated the TMEV-IDD mouse model. I worked extensively cell culture using animal and human cell lines, immunocytochemistry, as well as in vivo work applying intrathecal and intracranial viral vector injections. My duties as supervisor included training of the respective master students in all the above-mentioned

methods necessary for the projects, as well as supervising and consulting with dissertation writing and structure.

- Sept 2016 - Oct2017: Worked as a post-doctoral Researcher at Neuroscience Laboratory/Neurology clinic E of Dr. Kl. Kleopa at CING, Nicosia, Cyprus. Worked for a year on various neurological projects. I worked on a gene therapy project focusing on intrathecal and intracranial viral vector injections in mice while I continued my research on MS.
- Jan 2009- Febr2012: Worked as a postdoctoral researcher at Neuroscience Laboratory/Neurology clinic E of Dr. Kl. Kleopa at CING, Nicosia, Cyprus. My main work was two respective projects studying the glial connexins and the pathology of Gap Junction Proteins in an Experimental Autoimmune Encephalomyelitis (EAE) mouse model of Multiple Sclerosis (MS) and the human samples of MS patients. These projects were in collaboration with Pr. R. Reynolds and the Wolfson Neuroscience Laboratories, Imperial College Faculty of Medicine, London, UK. During this period, I generated and clinically evaluated the EAE mouse model, collected and processed mouse tissues as well as applied various techniques on both mouse and human tissues like (IHC) immunohistochemistry, immunoblot analysis (Western blot method), Real-time PCR, Gene expression assays and digital data analysis. Furthermore, I worked in other parallel projects that were running in the group while I trained summer students and newcomers in various techniques and lab work.
- April 2005- May 2008: Worked as a PhD student (April2005-March2008) and post-doctoral fellow (April2008-May2008) at the Department of Comparative Medicine, Helmholtz Centre Munich-National Research Centre of Environmental Health (former GSF). My main work covered my dissertation project titled "Mycoplasma contamination and murine embryonic stem (mES) cells: sensitivity of detection, effects on cytogenetics, germ line transmission and chimeric progeny". This project was divided in 2 areas: the in vitro part which included a lot of cell culture work (mES cells), microbiology (Mycoplasmas) and diagnostic methods (mycoplasma detection methods, spectral karyotyping, examination of the pluripotency ability) and the in vivo part which included collection of murine blastocysts, blastocysts injection with mycoplasma contaminated mES cells, embryo transfer, production of chimeras, analysis of the progeny. In addition, I was responsible for vet pharmacy and was acting veterinary duties for ~50 dogs (Beagles).
- Nov -Jan 2004: Worked as veterinarian in private vet Clinic in Nicosia, Cyprus
- Dec2002-Oct2003 academic year: postgraduate training (residency) at the Surgical Clinic of Veterinary Medicine School of the Aristotle University of Thessaloniki, Greece with rotations mainly focused in Clinical examination and diagnosis, in Small Animal Surgery, Anesthesia, and Radiology.

- [March 2012-August 2016 and May2019- present](#): Career break following my husband to his diplomatic missions abroad (Poland and Russian Federation). Upon completion of his diplomatic career, we moved back definitely to Cyprus in June 2022 where is our permanent residence.

TRAININGS /WORKSHOPS

- April 2018 Visit to the University of Veterinary Medicine in Hannover, Germany with Erasmus Program where I had intensive Training on In Situ Hybridization.
- 2009-2012 multiple visits and training weeks (4weeks) at Wolfson Neuroscience Laboratories, Imperial College Faculty of Medicine, London, UK.
- 2005 2-weeks intensive training course with successful exams for laboratory animals organized by the Information Center for Animal Protection in the biomedical research (TIZ-BIFO) of the medical faculty of LMU, Munich, Germany.
- 2005 Visit for training to the collaborative group of Dr. Uphoff, DSMZ – German collection of microorganisms and Cell Cultures in Braunschweig, Germany.

EDUCATION

- 2008 Doctor of Philosophy (PhD) LMU Faculty of Veterinary Medicine and AVM (Department of Comparative Medicine), Helmholtz Center Munich -National Research Center of Environmental Health, Munich, Germany. In February 2008, I defended my dissertation at the Faculty of Veterinary Medicine of the Ludwig Maximilians University (LMU), Munich, Germany and I was awarded the degree “Doctor medicinae veterinariae” with the grade “summa cum laude”. My thesis titled “Mycoplasma contamination and murine embryonic stem (mES) cells: sensitivity of detection, effects on cytogenetics, germ line transmission and chimeric progeny”.
- 2002 Doctor of Veterinary Medicine (DVM) Faculty of Veterinary Medicine, Aristotle University, Thessaloniki, Greece.

TECHNIQUES AND SKILLS

Expertise in Animal models:

- Generation of EAE (Experimental Autoimmune Encephalomyelitis) mouse model of Multiple Sclerosis in wild type and transgenic Cx32KO mice using msMOG recombinant protein
- Generation TMEV-IDD (Theiler's Murine Encephalomyelitis Virus induced Demyelinating Disease) mouse model of Multiple Sclerosis in SJL mice

Expertise in animal procedures and mouse anatomy:

- Superovulation, plug control, oocytes and Blastocysts collection and injection with murine Embryonic Stem Cells, Embryo transfer, Chimeras and germline transmission examination
- Sciatic nerve Ligation in mice for assessment of axonal transport
- Intrathecal/ Intracranial injections in mice (use of mouse specific stereotactic frame)
- Blood collection techniques in mouse (Venipuncture of tail and the orbital sinus)
- Mouse behavioral Analysis (rotarod, grip strength test)
- Anaesthesia
- Rodent cervical translocation
- Transcardiac PFA perfusion of the mouse for brain tissue dissection and fixation
- Dissection of mice, collection and tissue processing (OCT embedding, freezing)
- Tissue sectioning on cryotome

Expertise in mouse Neuro-anatomy, Neuro- histology and Neuro-immunology

Expertise in histological methods

- Tissue staining: H&E (hematoxylin & eosin), LFB (Luxor Fast blue)
- Immunohistochemistry
- Immunocytochemistry

Expertise in Cell culture and cytological techniques

- Murine embryonic Stem Cells (production, culture and inactivation of mouse embryonic fibroblast cells, preparation of feeder cell dishes, thaw, culture, cell counting and freezing of mouse embryonic stem cells)
- Murine microglia cell culture (production, culture, staining)
- DRG (dorsal root ganglion) cell culture
- Vero cell line (epithelial monkey kidney)
- Hela cell line (human epithelial)
- U87 (human astrogloma cell line)
- HOG (human oligodendroglioma cell line)
- Cell staining (DAPI, Hoechst)
- Cell transduction and transfection
- Cell fixation in metaphase
- Spectral karyotyping (SKY)
- FACs analysis

Expertise in laboratory work with Mycoplasmas and Viruses,

- Culture of mycoplasma species (growth media, agar plates, CFUs)
- Viral Purification

Expertise in diagnostic methods and other laboratory techniques

- MycoAlert assay
- DNA, RNA extraction
- Reverse transcription
- PCR, Real-time PCR
- Gene expression assays
- Immunoblot analysis (WESTERN BLOT)

Handling of processed human brain tissues

- Tissue section (cryotome), immunostaining (IHC), WB, RNA extraction, Reverse transcription, Real time PCR, Gene expression

Data analysis

Paper/ grant writing skills

Presentations

Microscopy and Computer skills

- Light and fluorescent microscopy: use of Zeiss and Nikon microscopes
- Microsoft office: Word, Excel, Power Point, Outlook
- End Note program
- Graphs and analysis programs: Photoshop, Tinascan
- Image Pro Analysis Software
- AxioVision Software
- SKY view imaging Software

LICENSES

- 2004 License to practice veterinary medicine in Bavaria approved by the Government of Bavaria (Approbationsurkunde).
- 2003 License to practice veterinary medicine in Cyprus approved by the Cyprus Veterinary Services.

Publications

1. [Gap junction pathology in multiple sclerosis lesions and normal-appearing white matter.](#)

Markoullis K, Sargiannidou I, Schiza N, Hadjisavvas A, Roncaroli F, Reynolds R, Kleopa KA. *Acta Neuropathol.* 2012 Jun;123(6):873-86. doi: 10.1007/s00401-012-0978-4. Epub 2012 Apr 7. PMID: 22484441

2. [Oligodendrocyte gap junction loss and disconnection from reactive astrocytes in multiple sclerosis gray matter.](#)

Markoullis K, Sargiannidou I, Schiza N, Roncaroli F, Reynolds R, Kleopa KA. *J Neuropathol Exp Neurol.* 2014 Sep;73(9):865-79. doi: 10.1097/NEN.000000000000006. PMID: 25101702

3. [Disruption of oligodendrocyte gap junctions in experimental autoimmune encephalomyelitis.](#)

Markoullis K, Sargiannidou I, Gardner C, Hadjisavvas A, Reynolds R, Kleopa KA. *Glia.* 2012 Jul;60(7):1053-66. doi: 10.1002/glia.22334. Epub 2012 Mar 27. PMID: 22461072

4. [Mycoplasma contamination of murine embryonic stem cells affects cell parameters, germline transmission and chimeric progeny.](#)

Markoullis K, Bulian D, Hölzlwimmer G, Quintanilla-Martinez L, Heiliger KJ, Zitzelsberger H, Scherb H, Mysliwietz J, Uphoff CC, Drexler HG, Adler T, Busch DH, Schmidt J, Mahabir E. *Transgenic Res.* 2009 Feb;18(1):71-87. doi: 10.1007/s11248-008-9218-z. Epub 2008 Sep 26. PMID: 18819014

5. [Connexin pathology in chronic multiple sclerosis and experimental autoimmune encephalomyelitis.](#)

Kleopa KA, Sargiannidou I, **Markoullis K**. *Clinical and Experimental Neuroimmunology.* 2013 Dec;4 (s1): 45-58. <https://doi.org/10.1111/cen3.12055>

6. [Molecular mechanisms of gap junction mutations in myelinating cells.](#)

Sargiannidou I, **Markoullis K**, Kleopa KA. *Histol Histopathol.* 2010 Sep;25(9):1191-206. doi: 10.14670/HH-25.1191. PMID: 20607661 Review.

7. [Axonal pathology precedes demyelination in a mouse model of X-linked demyelinating/type I Charcot-Marie Tooth neuropathy.](#)

Vavlitou N, Sargiannidou I, **Markoullis K**, Kyriacou K, Scherer SS, Kleopa KA. *J Neuropathol Exp Neurol.* 2010 Sep;69(9):945-58. doi: 10.1097/NEN.0b013e3181efa658. PMID: 20720503 **Free PMC article.**

8. [Alterations of juxtaparanodal domains in two rodent models of CNS demyelination.](#)

Zoupi L, **Markoullis K**, Kleopa KA, Karagogeos D. *Glia.* 2013 Aug;61(8):1236-49. doi: 10.1002/glia.22511. Epub 2013 Jul 5. PMID: 23828637

9. [Regulatory role of oligodendrocyte gap junctions in inflammatory demyelination.](#)

Papaneophytou CP, Georgiou E, Karaiskos C, Sargiannidou I, **Markoullis K**, Freidin MM, Abrams CK, Kleopa KA. *Glia.* 2018 Dec;66(12):2589-2603. doi: 10.1002/glia.23513. Epub 2018 Oct 16. PMID: 30325069 **Free PMC article.**

10. [Systemic inflammation disrupts oligodendrocyte gap junctions and induces ER stress in a model of CNS manifestations of X-linked Charcot-Marie-Tooth disease.](#)

Olympiou M, Sargiannidou I, **Markoullis K**, Karaiskos C, Kagiava A, Kyriakoudi S, Abrams CK, Kleopa KA. *Acta Neuropathol Commun.* 2016 Sep 1;4(1):95. doi: 10.1186/s40478-016-0369-5. PMID: 27585976 **Free PMC article.**

11. [Impairment of germline transmission after blastocyst injection with murine embryonic stem cells cultured with mouse hepatitis virus and mouse minute virus.](#)

Mahabir E, Reindl K, Mysliwicz J, Needham J, Bulian D, **Markoullis K**, Scherb H, Schmidt J. *Transgenic Res.* 2009 Feb;18(1):45-57. doi: 10.1007/s11248-008-9216-1. Epub 2008 Sep 18. PMID: 18800235 **Free PMC article.**

12. [Evaluation of polymerase chain reaction methods for detection of murine Helicobacter in nine diagnostic laboratories.](#)

Moerth C, Mahabir E, Brielmeier M, **Markoullis K**, Beisker W, Needham J, Balzer HJ, Bater LE, Bleich A, Deeny A, Dix J, Jacobsen K, Lorenz A, Mähler M, Nicklas W, Phipps JD, Seidel KE, Seidelin M, Toft MF, Tomlinson A, Wilhelm P, Schmidt J. *Lab Anim (NY).* 2008 Nov;37(11):521-7. doi: 10.1038/labani1108-521. PMID: 18948992 No abstract available.

PRESENTATIONS and POSTER PRESENTATIONS

- **2011** Panos Ioannou Award: Gap Junction Pathology in Multiple Sclerosis and the Mouse Model of Experimental Autoimmune Encephalomyelitis.
- **2010** Markoullis K, Sargiannidou I, Hadjisavvas A, Reynolds R, Kleopa KA: Differential expression of glial gap junction proteins during the progression of experimental autoimmune encephalomyelitis. 10th International congress of Neuroimmunology, 26-31 October 2010, Sitges, Barcelona
- **2008** 46th annual meeting of the Society of Laboratory Animal Science, Dresden, Germany: "Mycoplasma contamination of murine embryonic stem cells affects cell parameters and germ line transmission"
- **2008** 59th AALAS (American Association of Laboratory Animal Science) National Meeting, Indianapolis, USA: "Mycoplasmas affect cell parameters of murine embryonic stem cells, germline transmission and the resulting chimeric progeny"

Posters

- **Markoullis K**, Sargiannidou I, Schiza N, Reynolds R, K. A. Kleopa: Alterations of Gray Matter Gap Junctions in Multiple Sclerosis and in EAE, XI European Meeting on Glial Cells in Health and Disease, Berlin, 2-6 July 2013
- Zoupi L, Savvaki M, **Markoullis K**, Kleopa KA, Karagogeos D: Alterations of juxtaparanodal domains in two rodent models of CNS demyelination, XI European Meeting on Glial Cells in Health and Disease, Berlin, 2-6 July 2013
- **Markoullis K**, Sargiannidou I, Gardner C, Hadjisavvas A, Reynolds R, Kleopa KA: The role of glial gap junctions in EAE pathology. Myelin Satellite Meeting,

International Society for Neurochemistry, Kolymbari, Crete, 24-28 August 2011

- Sargiannidou I, **Markoullis K**, Hadjisavvas A, Reynolds R, Kleopa KA: Distinct alterations of glial gap junction proteins in normal appearing multiple sclerosis brain. 10th International congress of Neuroimmunology, 26-31 October 2010
- Sargiannidou I, Vavlitou N, **Markoullis K**, Hadjisavvas A, Kyriacou K, Scherer SS, Kleopa KA: Loss of gap junctions in myelinating cells causes progressive demyelination and early axonopathy. ELA Research Foundation 2nd Scientific Meeting, 26-27 June 2009, Luxembourg.
- Vavlitou N, Sargiannidou I, **Markoullis K**, Hadjisavvas A, Kyriacou K, Scherer SS, Kleopa KA: Loss of Cx32 gap junctions in Schwann cells with CMT1X mutations causes progressive demyelination and early axonopathy. Peripheral Nerve Society Meeting, July 2009, Wuerzburg, Germany.
- Sargiannidou I, Vavlitou N, **Markoullis K**, Kyriacou K, Scherer SS, Kleopa KA: Axonal degeneration in mouse models of CMT1X neuropathy. Glial Cell Meeting, September 2009, Paris, France.
- **Markoullis K**, Uphoff C. C, Drexler H.G, Schmidt J, Mahabir E: "Limits of detection of mycoplasma contamination on cell cultures", Felasa-Iclas joint meeting, Cernobbio, Italy.
- **Markoullis K**, Bulian D, Hölzlwimmer G, Schmidt J, Mahabir E et al.: „Effects of mycoplasma contamination on murine embryonic stem cells, germ line transmission, and chimeric progeny” PhD Symposium, Munich, Germany.

HONORS

- 2011 Panos Ioannou Young Scientist Award 2010

LANGUAGES

- Greek (Native)
- German (Native)
- English (full professional proficiency)
- Russian (elementary proficiency, A1 level)

REFERENCES

- Prof. Dr. KLEOPAS A. KLEOPA, M.D. The Cyprus Institute of Neurology and Genetics P.O. Box 23462, 1683 Nicosia, Cyprus Phone: +357-22358600, Fax: +357-22392786, email: kleopa@cing.ac.cy
- Prof. Dr. Richard Reynolds, Professor of Cellular Neurobiology, Imperial College London, Department of Medicine, email: r.reynolds@imperial.ac.uk.

- Prof. Dr. CHRISTINA CHRISTODOULOU, Senior Scientist, Head of Molecular Virology Department, BSc, MSc, DEA, Dipl. Virology, PhD. The Cyprus Institute of Neurology and Genetics P.O. Box 23462 1683 Nicosia, Cyprus Phone: (+357) 22 392 647, Fax: (+357) 22 392 738, email: cchristo@cing.ac.cy
- PD Dr. Esther Mahabir-Brenner, Leitung Tierhaltung, Zentrum für Molekulare Medizin der Universität zu Köln (ZMMK) Germany, Tel.: +49 (0)221 478 89540, Fax:+49 (0)221 478 3984, e-Mail: esther.mahabir-brenner@uni-koeln.de
- Pr. Dr. Jörg Schmidt, Abteilung Vergleichende Medizin (AVM) Leiter, Ingolstädter Landstraße 1 D–85764 Neuherberg (in retirement).

CURRICULUM VITAE

Charalambia K. Michael

CONTACT DETAILS

Address: Paphos, Cyprus
Tel.: +357.96575695
E-mail: charakymichael@gmail.com

EDUCATION

June 2012: **Graduation** from Kykkos Lyceum of Paphos (19.5/20)
April 2019: **Degree in Veterinary Medicine**, Faculty of Veterinary Medicine, University of Thessaly, Greece (Mark: 'Very Well', 6.65/10)
December 2019: **Certificate of postgraduate clinical internship** in small ruminant reproduction, Faculty of Veterinary Medicine, University of Thessaly
June 2022: **Master of Science** in Animal Biotechnology, Faculty of Geotechnical Sciences and Environmental Management, Cyprus University of Technology
January 2020 – today: **PhD studies** in Faculty of Veterinary Medicine, University of Thessaly, Greece
Title of thesis: "A paradigm of one-health in small ruminant farms: Mastitis, isolation and characterisation of bacteria from the milking machine, interactions between animals – people – environment – bacteria"
Expected examination: March 2024

ATTENDANCE OF SEMINARS AND CPD COURSES

March 2019: CPD course titled 'Mammary diseases in sheep', organised by the European College of Small Ruminant Health Management and the Department of Obstetrics and Reproduction of Faculty of Veterinary Medicine, University of Thessaly
August 2023: Seminar titled 'Heatstroke, stings and snake bites', organised by The Royal Veterinary College, University of London
September 2023: Advance course on 'Swine Influenza', organised by Istituto Zooprofilattico Sperimentale della Lombardia e dell' Emilia Romagna - Sezione di Parma, Italy, as part of COST Scientific mission

SKILLS

Computer literate: ECDL Core Certificate, Pure Mathematics – Edexcel

Languages: Greek (mother-tongue), English (IELTS academic, score 6.5)

MEMBERSHIP OF PROFESSIONAL ORGANISATIONS

Cyprus Veterinary Council

WORK EXPERIENCE

February 2021 - Clinical Veterinarian at M&Y Paphos Vets LTD

April 2023:

June 2023 - Clinical Veterinarian self-employed, active in companion animal practice and small ruminant practice
today:

TEACHING EXPERIENCE

January 2021-May 2021: Tutorial assistant, Faculty of Geotechnical Sciences and Environmental Management, Cyprus University of Technology

May 2022 – Teaching assistant, Faculty of Veterinary Medicine, University of Thessaly

September 2022:

PUBLICATIONS

- Katsafadou AI, Tsangaris GT, Vasileiou NGC, Ioannidi KS, Anagnostopoulos AK, Billinis C, Fragkou IA, Papadopoulos E, Mavrogianni VS, **Michael C**, Addis MF, Fthenakis GC (2020). Detection of cathelicidin-1 in the milk as an early indicator of mastitis in ewes. *Pathogens* 8, 270.
- Chatzopoulos DC, Lianou DT, **Michael CK**, Gougoulis DA, Mavrogianni VS, Vasileiou NGC, Katsafadou AI, Politis AP, Kordalis NG, Katsarou EI, Ioannidi KS, Petinaki E, Fthenakis GC (2020). Streptococcus spp. from bulk-tank milk and milking machine teatcups on small ruminant farms, and factors potentially associated with their isolation. *Journal of Dairy Research* 87, 277-281.
- Katsafadou AI, Tsangaris GT, Vasileiou NGC, Ioannidi KS, Anagnostopoulos AK, Billinis C, Fragkou IA, Papadopoulos E, Mavrogianni VS, **Michael C**, Addis MF, Fthenakis GC (2020). Detailed data from experimentally-induced mastitis in ewes, with the aim to evaluate cathelicidin-1 in milk. *Data in Brief* 29, 105259.

- Lianou DT, Chatziprodromidou IP, Vasileiou NGC, **Michael CK**, Mavrogianni VS, Politis AP, Kordalis NG, Billinis C, Giannakopoulos A, Papadopoulos E, Giannenas I, Ioannidi KS, Katsafadou AI, Gougoulis DA, Lacasta D, Caroprese M, Fthenakis GC (2020). A detailed questionnaire for the evaluation of health management in dairy sheep and goats. *Animals* 10, 1489.
- Chatzopoulos DC, Vasileiou NGC, Ioannidi KS, Katsafadou AI, Mavrogianni VS, **Michael CK**, Katsarou EI, Karavanis E, Papadopoulos N, Sbiraki A, Athanasiou LV, Billinis C, Fthenakis GC (2021). Experimental study of the potential role of *Salmonella enterica* subsp. *diarizonae* in the diarrhoeic syndrome of lambs. *Pathogens* 10, 113.
- Katsarou EI, Chatzopoulos DC, Giannoulis T, Ioannidi KS, Katsafadou AI, Kontou PI, Lianou DT, Mamuris Z, Mavrogianni VS, **Michael CK**, Papadopoulos E, Petinaki E, Sarrou S, Vasileiou NGC, Fthenakis GC (2021). MLST-based analysis and antimicrobial resistance of *Staphylococcus epidermidis* from cases of sheep mastitis in Greece. *Biology* 10, 170.
- Lianou DT, **Michael CK**, Vasileiou NGC, Liagka DV, Mavrogianni VS, Caroprese M, Fthenakis GC (2021). Association of breed of sheep or goats with somatic cell counts and total bacterial counts of bulk-tank milk. *Applied Sciences* 11, 7356.
- Lianou DT, **Michael CK**, Vasileiou NGC, Petinaki E, Cripps PJ, Tsilipounidaki K, Katsafadou AI, Politis AP, Kordalis NG, Ioannidi KS, Gougoulis DA, Trikalinou C, Orfanou DC, Fragkou, IA, Angelidou E, Katsarou EI, Tzora A, Albenzio M, Mavrogianni DC, Caroprese M, Fthenakis GC (2021). Extensive countrywide field investigation of somatic cell counts and total bacterial counts in bulk-tank raw milk in sheep flocks in Greece. *Foods* 10, 268.
- Lianou DT, **Michael CK**, Vasileiou NGC, Petinaki E, Cripps PJ, Tsilipounidaki K, Katsafadou AI, Politis AP, Kordalis NG, Ioannidi KS, Gougoulis DA, Trikalinou C, Orfanou DC, Fragkou, IA, Liagka DV, Tzora A, Albenzio M, Mavrogianni DC, Caroprese M, Fthenakis GC (2021). Extensive countrywide field investigation of somatic cell counts and total bacterial counts in bulk-tank raw milk in goat herds in Greece. *Journal of Dairy Research* 88, 307-313.
- Lianou DT, Petinaki E, Cripps PJ, Gougoulis DA, **Michael CK**, Tsilipounidaki K, Skoulakis A, Katsafadou AI, Vasileiou NGC, Giannoulis T, Voidarou C, Mavrogianni DC, Caroprese M, Fthenakis GC (2021). Antibiotic resistance of staphylococci from bulk-tank milk of sheep flocks: prevalence, patterns, association with biofilm formation, effects on milk quality, and risk factors. *Biology* 10, 1016.
- Lianou DT, Petinaki E, Cripps PJ, Gougoulis DA, **Michael CK**, Tsilipounidaki K, Skoulakis A, Katsafadou AI, Vasileiou NGC, Giannoulis T, Katsarou EI, Voidarou C, Mavrogianni DC, Caroprese M, Fthenakis GC (2021). Prevalence, patterns, association with biofilm formation, effects on milk quality, and risk factors for antibiotic resistance of staphylococci from bulk-tank milk of goat herds. *Antibiotics* 10, 1225.

- Michael CK**, Lianou DT, Vasileiou NGC, Tsilipounidaki K, Katsafadou AI, Politis AP, Kordalis NG, Ioannidi KS, Gougoulis DG, Trikalinou C, Orfanou DC, Fragkou IA, Kontou PI, Liagka, Mavrogianni VS, Petinaki E, Fthenakis GC (2021) Association of staphylococcal populations on teatcups of milking parlours with vaccination against staphylococcal mastitis in sheep and goat farms. *Pathogens* 10, 385.
- Lianou DT, Arsenopoulos KV, **Michael CK**, Papadopoulos E, Fthenakis GC (2022) Protozoan parasites in adult dairy small ruminants and potential predictors for their presence in faecal samples. *Microorganisms* 10, 1931.
- Lianou DT, **Michael CK**, Gougoulis DA, Cripps PJ, Vasileiou NGC, Solomakos N, Petinaki E, Katsafadou AI, Angelidou E, Arsenopoulos KV, Papadopoulos E, Albenzio M, Mavrogianni VS, Caroprese MC, Fthenakis GC (2022) High milk somatic cell counts and increased *Teladorsagia* burdens overshadow non-infection-related factors as predictors of fat and protein content of bulk-tank raw milk in sheep and goat farms. *Foods* 11, 443.
- Lianou DT, **Michael CK**, Petinaki E, Mavrogianni VS, Fthenakis GC (2022). Administration of vaccines in dairy sheep and goat farms: patterns of vaccination, associations with health and production parameters, predictors. *Vaccines* 10, 1372.
- Lianou DT, Petinaki E, **Michael CK**, Skoulakis A, Cripps PJ, Katsarou EI, Papadopoulos E, Billinis C, Katsafadou AI, Mavrogianni VS, Caroprese M, Fthenakis GC (2022). Zoonotic problems reported by sheep and goat farmers and factors potentially contributing to the occurrence of brucellosis among them. *International Journal of Environmental Research and Public Health* 19, 10372.
- Lianou DT, Skoulakis A, **Michael CK**, Katsarou EI, Chatzopoulos DC, Solomakos N, Tsilipounidaki K, Florou Z, Cripps PJ, Katsafadou AI, Vasileiou NGC, Dimoveli KS, Bourganou MV, Liagka DV, Papatsiros VG, Kontou PI, Mavrogianni VS, Caroprese M, Petinaki E, Fthenakis GC (2022). Isolation of *Listeria ivanovii* from bulk-tank milk of sheep and goat farms - from clinical work to bioinformatics studies: prevalence, association with milk quality, antibiotic susceptibility, predictors, whole genome sequence and phylogenetic relationships. *Biology* 11, 871.
- Lianou DT, Vasileiou NGC, **Michael CK**, Valasi I, Mavrogianni VS, Caroprese M, Fthenakis GC (2022). Patterns of reproductive management in sheep and goat farms in Greece. *Animals* 12, 3455.
- Tsilipounidaki K, Florou Z, Lianou DT, **Michael CK**, Katsarou EI, Skoulakis A, Fthenakis GC, Petinaki E (2022) Detection of zoonotic gastrointestinal pathogens in dairy sheep and goats by using FilmArray® multiplex-PCR technology. *Microorganisms* 10, 714.
- Vasileiou NGC, Lianou DT, **Michael CK**, Fthenakis GC, Mavrogianni VS (2022). Vaccination against bacterial mastitis in sheep. *Vaccines* 10, 2088.
- Lianou DT, Arsenopoulos KV, **Michael CK**, Mavrogianni VS, Papadopoulos E, Fthenakis GC (2023). Dairy goats helminthosis and its potential predictors in Greece: findings from an extensive countrywide study. *Veterinary Parasitology* 320, 109962.

- Lianou DT, Arsenopoulos KV, **Michael CK**, Mavrogianni VS, Papadopoulos E, Fthenakis GC (2023). Helminth infections in dairy sheep found in an extensive countrywide study in Greece and potential predictors for their presence in faecal samples. *Microorganisms* 11, 571.
- Lianou DT, **Michael CK**, Fthenakis GC (2023). Data on mapping 444 dairy small ruminant farms during a countrywide investigation performed in Greece. *Animals* 13, 2044.
- Lianou DT, **Michael CK**, Solomakos N, Vasileiou NGC, Mavrogianni VS, Tzora A, Voidarou C, Fthenakis GC (2023) Isolation of biofilm-forming staphylococci from the bulk-tank milk of small ruminant farms in Greece. *Foods* 13, 283.
- Michael CK**, Lianou DT, Mavrogianni VS, Petinaki E, Fthenakis GC (2023). Irregular findings on teatcups in milking parlours in sheep and goat farms and potential predictors. *Animals* 13, 3004.
- Michael CK**, Lianou DT, Tsilipounidaki K, Gougoulis DA, Giannoulis T, Vasileiou NGC, Mavrogianni VS, Petinaki E, Fthenakis GC (2023). Recovery of staphylococci from teatcups in milking parlours in goat herds in Greece: prevalence, identification, biofilm formation, patterns of antibiotic susceptibility, predictors for isolation. *Antibiotics* 12, 1428.
- Michael CK**, Lianou DT, Vasileiou NGC, Mavrogianni VS, Petinaki E, Fthenakis GC (2023). Longitudinal study of subclinical mastitis in sheep in Greece: an investigation into incidence risk, associations with milk quality and risk factors of the infection. *Animals* 13, 3295.
- Michael CK**, Lianou DT, Vasileiou NGC, Mavrogianni VS, Petinaki E, Fthenakis GC (2023). Longitudinal study of antibiotic resistance of staphylococci from cases of subclinical mastitis in sheep in Greece: incidence and risk factors. *Antibiotics* 12, 1703.
- Total citations in above references: 130 - *h*-index: 7

ABSTRACTS IN PROCEEDINGS OF SCIENTIFIC CONFERENCES

- Fthenakis G, Barbagianni M, Katsafadou A, Lianou D, **Michael C**, Vasileiou N, Mavrogianni V (2022). Update on diagnosis of mastitis in sheep. Proceedings of the 24th Annual Conference of the European Society of Domestic Animal Reproduction (electronic meeting) [*Reproduction in Domestic Animals*, vol 57(s1)], p. 27.
- Lianou DT, Michael CK, **Fthenakis GC** (2022). Extensive countrywide field investigation of somatic cell counts and total bacterial counts in bulk-tank raw milk in sheep flocks in Greece. Proceedings of the 25th Annual Conference of the European Society of Domestic Animal Reproduction (Thessaloniki, Greece) [*Reproduction in domestic Animals*, vol 57(S4)], p. 64.
- Lianou DT, **Michael CK**, Petinaki E, Mavrogianni VS, Fthenakis GC (2023). Administration of vaccines in dairy sheep farms: patterns of vaccination, associations with health and production parameters, predictors. Abstracts of the 10th International Sheep Veterinary Congress (Seville, Spain) [*Animal Science Proceedings*, vol. 14(1)], p. 100.

- Lianou DT, **Michael CK**, Vasileiou NGC, Petinaki E, Cripps PJ, Tsilipounidaki K, Politis AP, Kordalis NG, Ioannidi KS, Gougoulis DA, Trikalinou C, Orfanou DC, Angelidou E, Katsarou EI, Tzora A, Albenzio M, Mavrogianni VS, Caroprese M, Fthenakis GC (2023). Extensive countrywide field investigation of somatic cell counts and total bacterial counts in bulk-tank raw milk in sheep flocks. Abstracts of 10th International Sheep Veterinary Congress (Seville, Spain) [*Animal Science Proceedings*, vol. 14(1)], pp. 139-140.
- Michael CK**, Lianou DT, Vasileiou NGC, Tsilipounidaki K, Katsafadou AI, Politis AP, Kordalis NG, Ioannidi KS, Gougoulis DA, Trikalinou C, Orfanou DC, Fragkou IA, Kontou PI, Liagka DV, Petinaki E, Fthenakis GC, Mavrogianni VS (2023). Association of staphylococcal populations on teatcups of milking parlours with vaccination against staphylococcal mastitis in sheep farms. Abstracts of 10th International Sheep Veterinary Congress (Seville, Spain) [*Animal Science Proceedings*, vol. 14(1)], pp. 233-234.

APPENDIX II

A/A	NAME
1.	Prof. George Banos
2.	Prof. George Fthenakis
3.	Prof. Itamar Grotto
4.	Dr. Serafeim C. Chaintoutis
5.	Dr. Sotiria Vouraki



Georgios Banos

Professor in Computational Biology, Animal Breeding and Genomics, SRUC, since 2012

- Professor, [Animal And Veterinary Sciences](#), **Livestock Breeding**
- **Food Security Challenge Centre**
- Professor, [Scotland's Rural College](#)
<https://orcid.org/0000-0002-7674-858X>
- Email: georgios.banos@sruc.ac.uk
- Easter Bush, Roslin Institute Building
EH25 9RG Midlothian
United Kingdom

EDUCATION:

- PhD, 1989, University of Wisconsin-Madison, USA
- MSc, 1985, University of New Hampshire, USA
- MBA, 1998, University of Warwick, UK
- BSc, 1983, Aristotle University of Thessaloniki, Greece

Research interests

- Development, evaluation and application of computational and statistical methods for the analysis of farm animal data (phenotypic, pedigree, genomic) with the aim to unravel the genetic background of economically important traits associated with animal health, resilience and productivity.
- Breeding programmes aiming at enhancing the sustainability of the livestock sector.
- Understanding and capitalising on the interaction between animals and the environment.
- Assessment and management of genetic diversity in animal populations.
- Biomarkers as predictors of animal health, fitness, longevity, robustness and welfare.
- Genetic improvement of livestock raised in tropical conditions (in collaboration with the Centre for Tropical Livestock Genetics and Health).

Projects

Current (PI)

- 2022-2027, Scottish Government Strategic Research Programme, "Enhancing livestock resilience and adaptability to environmental challenge, while protecting and enriching genetic diversity" £283K.
- 2023-2026, Bill and Melinda Gates Foundation, "Phenomix and genetics of chicken response to environmental challenge" £293K.
- 2023-2026, BBSRC, "Integrating clinical, data-driven and in-vitro approaches to the study of host-pathogen interactions in bovine digital dermatitis" £260K.
- 2023-2026, BBSRC, "Genetic and management solutions for lameness-associated endemic diseases in dairy cattle" £389K.
- 2023-2024, Innovate UK, "Can Bulk Milk Revolutionise TB Testing?" £244K.

Previous (PI)

- 2019-2023, BBSRC, "Aetiopathogenesis and genomic architecture of resistance to claw horn disruption lesions in dairy cattle" £349.
- 2018-2023, DFID and Bill and Melinda Gates Foundation, "Identification of selection targets and development of analytical tools to optimise breeding programmes in African chicken populations" £744K.
- 2021-2022, Agriculture and Horticulture Development Board-Beef & Lamb, "Genomics of sheep resilience to climate change" £49K.
- 2021-2022, Rare Breeds Survival Trust, "The analysis of genome-wide genotypic data of North Ronaldsay sheep" £10K.
- 2019-2022, University of Edinburgh PhD Studentship, "Early life predictors of long-life health and productivity in farm animals" £86K.
- 2020-2021, Rare Breeds Survival Trust, "Defining molecular genetic characteristics that uniquely identify the British Lop Pig" £75K.
- 2021 (6-mo), University of Edinburgh International Development Research Hub "Capacity building in scientific techniques" £37K.
- 2019-2020, Hannah Dairy Research Foundation, "Early life biomarker predictors of future production, health, welfare and longevity in dairy cattle" £25K.
- 2017-2019, Agriculture and Horticulture Development Board-Beef & Lamb and DEFRA "Development of national genetic evaluations of beef cattle for resistance to bovine tuberculosis" £239K.
- 2016-2020, European Commission Horizon2020, "Innovation of sustainable sheep and goat production in Europe" SRUC £431K.
- 2016-2020, Teagasc Ireland, "Development of international sheep genetic and genomic evaluations between Ireland and the UK" £83K.
- 2016-2017, SRUC REG funds, "MicroRNAs as predictive biomarkers of survival and performance in dairy cattle" £79K.
- 2014-2017, BBSRC, "Measurements of telomere length at different life stages as predictive biomarkers of health, reproduction and longevity in dairy cattle" £326.
- 2014-2017, Commonwealth Scholarship Commission, "Genetics of bovine Tuberculosis resistance in dairy cattle" £80K.
- 2013-2017, Teagasc Ireland, "International genetic and genomic evaluations for carcass traits in cattle" £81K.
- 2013-2015, Agriculture and Horticulture Development Board-Dairy, "Development of national genetic evaluations for resistance to bovine tuberculosis" £100K.
- 2012-2015, European Commission FP7, "Next generation European system for cattle improvement and management" SRUC £176K.

Supervision

Principal PhD supervisor

- 2019-2023 "Early life predictors of long-life health and productivity in farm animals"
- 2016-2020 "Enhancing genetic evaluations for sheep growth and carcass traits in Ireland and the UK"
- 2016-2020 "Investigation of farmer-led breeding goals and strategies in smallholder dairy farming systems to cope with variation in feed sources and quality"
- 2014-2017 "Investigating host genetics and the role of selection for increased resistance to bovine tuberculosis in dairy cattle"
- 2013-2017 "Genetic and non-genetic evaluation tools for accelerating improvement in beef cattle carcass traits within and across country"
- 2012-2017 "Characterisation of telomere length dynamics in dairy cattle and association with productive lifespan" joint with University of Edinburgh.

Teaching

BSc Applied Animal Science, SRUC

- Animal Breeding, Selection and Technologies (2nd Year module)
- Animal Breeding and Genetics (4th Year module)

MSc Quantitative Genetics and Genome Analysis, University of Edinburgh

- Quantitative Genetic Models
- Animal Genetic Improvement modules

Articles / Publications

- [Association between a genetic index for digital dermatitis resistance and the presence of digital dermatitis, heel horn erosion and interdigital hyperplasia in Holstein cows](#) 2024
A Anagnostopoulos, M Barden, BE Griffiths, C Bedford, M Winters, B Li, ...
Journal of Dairy Science
- [Identification of methylation markers for age and Bovine Respiratory Disease in dairy cattle](#) 2024
A Psifidi, E Attree, B Griffiths, K Panchal, D Xia, D Werling, G Banos, ...
- [Genetic profile of adaptive immune traits and relationships with parasite resistance and productivity in Scottish Blackface sheep](#) 2024
A Pacheco, J Conington, Y Corripio-Miyar, D Frew, G Banos, TN McNeilly
animal 18 (2), 101061
- [Genome-wide association studies of parasite resistance, productivity and immunology traits in meat in Scottish Blackface sheep](#) 2024
A Pacheco, G Banos, N Lambe, A McLaren, TN McNeilly, J Conington
animal, 101069
- [Variation in protein metabolism biomarkers during the transition period and associations with health, colostrum quality, reproduction, and milk production traits in Holstein cows](#) 2024
N Siachos, V Tsiamadis, G Oikonomou, N Panousis, G Banos, ...
Journal of Dairy Science
- [Associations among post-partum rumen fill and motility, subclinical ketosis and fertility in Holstein dairy cows](#) 2024
GE Valergakis, N Siachos, A Kougioumtzis, G Banos, N Panousis, ...
Theriogenology 214, 107-117
- [Single-step genome-wide association analyses of claw horn lesions in Holstein cattle using linear and threshold models](#) 2 2023
B Li, M Barden, V Kapsona, E Sánchez-Molano, A Anagnostopoulos, ...
Genetics Selection Evolution 55 (1), 1-15
- [A genome-wide association study reveals novel SNP markers associated with resilience traits in two Mediterranean dairy sheep breeds](#) 2023
A Argyriadou, S Michailidou, S Vouraki, V Tsartsianidou, A Triantafyllidis, ...
Frontiers in Genetics 14, 1294573

- Comparing genetic indexes for reducing lameness in dairy cows** 2023
M Barden, A Anagnostopoulos, BE Griffiths, C Bedford, G Oikonomou, ...
The Veterinary record 193 (10), 416-417
- A prospective cohort study examining the association of claw anatomy and sole temperature with the development of claw horn disruption lesions in dairy cattle** 2023
BE Griffiths, M Barden, A Anagnostopoulos, C Bedford, H Higgins, ...
Journal of Dairy Science
- Genome-wide association study of health and production traits in meat sheep** 2023
K Kaseja, S Mucha, J Yates, E Smith, G Banos, J Conington
animal 17 (10), 100968
- Identification of temporal patterns of environmental heat stress of Holstein dairy heifers raised in Mediterranean climate during their in-utero and post-natal life periods and ...** 2023
V Tsiamadis, GE Valergakis, A Soufleri, G Arsenos, G Banos, ...
Journal of Thermal Biology 117, 103717
- Selective breeding can contribute to bovine tuberculosis control and eradication** 1 2023
G Banos
Irish Veterinary Journal 76 (Suppl 1), 19
- Genetic characterisation of the Connemara pony and the Warmblood horse using a within-breed clustering approach** 2023
V Lindsay-McGee, E Sanchez-Molano, G Banos, EL Clark, RJ Piercy, ...
Genetics Selection Evolution 55 (1), 60
- Association of plasma miRNAs with early life performance and aging in dairy cattle** 2023
M MacLeay, G Banos, FX Donadeu
Plos one 18 (7), e0288343
- Including genotypic information in genetic evaluations increases the accuracy of sheep breeding values** 4 2023
K Kaseja, S Mucha, E Smith, J Yates, G Banos, J Conington
Journal of Animal Breeding and Genetics 140 (4), 462-471
- Detection of genetic variability in dairy cattle infectivity for bovine tuberculosis** 2023
D Madenci, E Sanchez-Molano, M Winters, A Mitchell, I Archibald, ...
Animal-science proceedings 14 (2), 416-417
- Serum 1H nuclear magnetic resonance–based metabolomics of sole lesion development in Holstein cows** 2023
M Barden, MM Phelan, R Hyde, A Anagnostopoulos, BE Griffiths, ...
Journal of Dairy Science 106 (4), 2667-2684

<p>Novel genomic markers and genes related to reproduction in prolific Chios dairy sheep: a genome-wide association study</p> <p>V Tsartsianidou, A Pavlidis, E Tosiou, G Arsenos, G Banos, ... <i>animal</i> 17 (3), 100723</p>	3	2023
<p>Genetic parameters of sole lesion recovery in Holstein cows</p> <p>M Barden, A Anagnostopoulos, BE Griffiths, B Li, C Bedford, C Watson, ... <i>Journal of Dairy Science</i> 106 (3), 1874-1888</p>	3	2023
<p>Genetic Parameters of Serum Total Protein Concentration Measured with a Brix Refractometer in Holstein Newborn Calves and Fresh Cows</p> <p>A Soufleri, G Banos, N Panousis, A Kougioumtzis, V Tsiamadis, ... <i>Animals</i> 13 (3), 366</p>	1	2023
<p>The bovine foot skin microbiota is associated with host genotype and the development of infectious digital dermatitis lesions</p> <p>V Bay, A Gillespie, E Ganda, NJ Evans, SD Carter, L Lenzi, A Lucaci, ... <i>Microbiome</i> 11 (1), 4</p>	9	2023
<p>Identification of methylation markers for age and Bovine Respiratory Disease in dairy cattle</p> <p>E Attree, B Griffiths, K Panchal, D Xia, D Werling, G Banos, G Oikonomou, ... <i>bioRxiv</i>, 2023.12. 18.572169</p>		2023
<p>Genomic markers associated with antibody response to Newcastle disease virus of Sasso chickens raised in Ethiopia</p> <p>M Girma, KM Morris, K Sutton, W Esatu, B Solomon, T Dessie, A Psifidi, ... <i>South African Journal of Animal Science</i> 53 (5), 728-736</p>		2023
<p>Including genotypic information in genetic evaluations increases the accuracy of sheep breeding values</p> <p>G Banos, J Conington</p>		2023
<p>Bulk milk testing for bTB surveillance</p> <p>A Hayton, E Watson, G Banos <i>The Veterinary record</i> 192 (2), 85</p>		2023
<p>Detection of genetic variability in cattle infectivity for bovine tuberculosis (bTB)</p> <p>E Sánchez-Molano, D Madenci, S Tsairidou, M Winters, AP Mitchell, ... <i>Proceedings of 12th World Congress on Genetics Applied to Livestock ...</i></p>	1	2022
<p>Phenotypic characterisation of African chickens raised in semiscavenging conditions</p> <p>KM Morris, K Sutton, M Girma, W Esatu, B Solomon, T Dessie, L Vervelde, ... <i>Proceedings of 12th World Congress on Genetics Applied to Livestock ...</i></p>		2022
<p>Transcriptomic characterisation of claw horn disruption lesions in the peripheral blood leucocytes of dairy cattle</p>		2022

- X Dai, D Xia, BE Griffiths, A Anagnostopoulos, M Barden, B Li, M Coffey, ...
 Proceedings of 12th World Congress on Genetics Applied to Livestock ...
- Understanding the genetic architecture of claw horn lesions in different lactation stages in Holstein cattle** 2022
 B Li, M Barden, V Kapsona, ES Molano, A Anagnostopoulos, BE Griffiths, ...
 Proceedings of 12th World Congress on Genetics Applied to Livestock ...
- Impact of genotypic information on genetic evaluation accuracy for mastitis and footrot in the UK Texel Sheep** 2022
 K Kaseja, S Mucha, E Smith, J Yates, G Banos, J Conington
 Proceedings of 12th World Congress on Genetics Applied to Livestock ...
- Genetic parameters and genome-wide association study of digital cushion thickness in Holstein cows** 2 2022
 M Barden, B Li, BE Griffiths, A Anagnostopoulos, C Bedford, A Psifidi, ...
 Journal of Dairy Science 105 (10), 8237-8256
- Skeletal muscle and adipose tissue reserves and mobilisation in transition Holstein cows: Part 2 association with postpartum health, reproductive performance and milk production** 2 2022
 N Siachos, G Oikonomou, N Panousis, V Tsiamadis, G Banos, G Arsenos, ...
 animal 16 (9), 100626
- Investigating the use of thermal imaging as a diagnostic tool for the detection of different stages of Digital Dermatitis in dairy cattle.** 2022
 A Anagnostopoulos, K Williams, M Barden, B Griffiths, C Bedford, M Rudd, ...
- Can we breed claw horn lesions out of dairy cows?** 2 2022
 M Barden, B Li, A Anagnostopoulos, B Griffiths, C Bedford, A Psifidi, ...
- Genomic analysis of the rare British Lop pig and identification of distinctive genomic markers** 2 2022
 G Banos, A Talenti, D Chatziplis, E Sánchez-Molano
 Plos one 17 (8), e0271053
- Association between a genetic index for lameness resistance and the incidence of claw horn lesions in Holstein cows** 6 2022
 M Barden, A Anagnostopoulos, BE Griffiths, C Bedford, M Winters, B Li, ...
 Veterinary Record 191 (1), no-no
- Repeatability of Health and Welfare Traits and Correlation with Performance Traits in Dairy Goats Reared under Low-Input Farming Systems** 3 2022
 S Vouraki, AI Gelasakis, V Fotiadou, G Banos, G Arsenos
 Veterinary Sciences 9 (6), 289
- Association of post-partum serum Ca patterns with reproduction in Holstein cows** 2022
 V Tsiamadis, N Siachos, N Panousis, G Banos, A Kougioumtzis, ...

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- Prospective cohort study of the association between early lactation mastitis and the presence of sole ulcers in dairy cows** 5 2022
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- Strategies to decrease cow milk production cost 2002
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- Effects of kappa-casein and beta-lactoglobulin genotypes on reproductive performance in Holstein-Friesian cows 2002
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- Professor and Past-Dean, Veterinary Faculty, University of Thessaly
- Former President, European College of Small Ruminant Health Management
- Past-Dean, Faculty of Animal Science, University of Thessaly
- Past-President, Division of Farm Animal Veterinarians, Hellenic Veterinary Medical Society

Degrees

-Degree in Veterinary Medicine, 1982, School of Veterinary Medicine, Aristotle University of Thessaloniki.

-Master of Science in Animal Health, 1984, The Royal Veterinary College, University of London.

-Doctor of Philosophy, 1988, The Royal Veterinary College, University of London.

Veterinary Specialisation Titles

-European Veterinary Specialisation Diploma in Animal Reproduction, 2001, Diplomate of European College of Animal Reproduction.

-European Veterinary Specialisation Diploma in Small Ruminant Health Management, 2008, Diplomate of European College of Small Ruminant Health Management

Distinctions

▪ **Honorary elections (n=2)**

- Fellow of the Hellenic Agricultural Academy (Dec. 2010)
- Honorary Diplomat of the European College of Small Ruminant Health Management (Oct. 2020).

▪ **Distinctions in international listings of scientists (n=2)**

- In top 2% of scientists internationally for career-long impact of scientific work (Oct. 2020, Oct. 2021, Oct. 2022).
- In top 2% of scientists internationally in the field of 'Veterinary Sciences' for career-long impact of scientific work (Oct. 2020, Oct. 2021, Oct. 2022).
- Top author in Europe in the topic 'Sheep + goats' (Web of Science, Mar 2020 - today).

▪ **Prizes (n=14)**

- Research prize by the University of Thessaly (Feb. 2005).
- Merit accolade by the Hellenic Veterinary Medical Society (Jun. 2005).
- 'Allan Baldry' award by the British Sheep Veterinary Society (Apr. 2006).
- Accolade by the Centre of Research and Technology of Thessaly (Nov. 2006).
- Accolades by the Karditsa Society for Animal Welfare (Apr. 2007 & Oct. 2007).
- Meritorious award by the Karditsa Society for Animal Welfare (Oct. 2008).
- 'Konstantinos Tarlatzis' prize by the Hellenic Veterinary Medical Society (Mar. 2009).
- Award by the Greek Ministry of Education for academic and scientific excellence in the field of "Veterinary Medicine and Science" (Dec. 2012).
- Award by the Greek Ministry of Education and recognition of the Department of Obstetrics and Reproduction of the University of Thessaly as a centre of excellence in "Small Ruminant Medicine" (Dec. 2012).
- Prize by the Greek National Veterinary Association for academic and scientific excellence (Feb. 2013).
- Prize by the Greek Ministry of Education for the award and coordination of the GOSHOMICS research grant (Dec. 2013).
- Award by the European College of Small Ruminant Health Management for the Department of Obstetrics and Reproduction of the University of Thessaly and recognition as a centre of excellence in the speciality (Oct. 2014).
- Award by the Hellenic Veterinary Association for the support of the veterinary profession in Greece in issues related to small ruminant health management (Feb. 2015).
- Award by the organizing committee of the 9th International Sheep Veterinary Congress for the significant contributions at the conference (May. 2017).

▪ **Invited contributions in scientific meetings (n=7)**

- 83 invited/keynote presentations in national/international scientific meetings (Dec. 1989 – today).
- Chairman of the 6th International Sheep Veterinary Congress (Nov. 2001 - Jun. 2005).
- 10 participations in scientific committees of international conferences (Jun. 2005 – today).
- Chairman of the 11th Greek Veterinary Congress (Oct. 2008 – Mar. 2009).

- Chairman of the 2nd Greek Veterinary Conference for Farm Animal Medicine and Food Safety (Jul. 2010 – Mar. 2011).
- Chairman of the 1st European Conference on Small Ruminant Health Management (Mar. 2011 – Oct. 2011).
- Chairman of the 13th Greek Veterinary Congress (Apr. 2014 – May. 2015).

▪ Offices in academic and scientific entities (n=4)

- President of the European College of Small Ruminant Health Management (May 2008 - Oct. 2011).
- President of the Division for Farm Animals of the Hellenic Veterinary Medical Society (4 consecutive terms: Apr. 2009 - Mar. 2012, Apr. 2012 - Apr. 2015 & Apr. 2015 – May 2018 & Jun. 2018 – Jun. 2021).
- Dean of the Veterinary Faculty, University of Thessaly (2 consecutive terms: Sep. 2016 - Aug. 2018 & Sep. 2018 – Aug. 2020).
- Foundation Dean of the Faculty of Animal Science, University of Thessaly (Feb. 2019 – Mar. 2021).
- Chairperson of the Hellenic Veterinary Medicines Licencing Board (Sep. 2020 – Apr. 2023 & May 2023 - today).

Undergraduate teaching in veterinary educational establishments

▪ Veterinary Faculty, University of Thessaly

- 1998-today: lectures, tutorials and clinical practice in the following topics: ruminant reproduction, ruminant udder health, small ruminant health management.

▪ Other veterinary teaching establishments (after invitation)

- Oct. 2007: Ontario Veterinary College, University of Guelph, Canada.
- Dec. 2007: Hannover Veterinary University, Germany.
- Feb. 2008: School of Veterinary Science, University of Liverpool, United Kingdom.
- May. 2012: Royal (Dick) School of Veterinary Studies, University of Edinburgh, United Kingdom.
- Jan. 2017: Veterinary Faculty, University of Zaragoza, Spain.

Supervision of PhD theses

▪ Successful supervision of PhD theses (Univ. of Thessaly) (n=12)

- Nona G. Gouletsou: "The Role of Arcanobacterium pyogenes in Ram Orchitis and Reproductive Performance" (examination: Mar. 2005).
- Vasia S. Mavrogianni: "Protective Role of the Teat and Importance of its Disorders in Ovine Mastitis associated with Mannheimia haemolytica" (examination: Feb. 2006).
- Dimitris A. Gougoulis: "Interactions between Sucking Behaviour of Lambs and Infection of the Mammary Gland of Ewes" (examination: Oct. 2007).
- Ilectra A. Fragkou: "Pathogenesis of Ovine Mastitis, with Special Reference to the Defence Role of the Teat" (examination: Jun. 2009).
- Denise C. Orfanou: "Investigations into the Puerperium of Beagle-Breed Female Dogs" (examination: Jun. 2012).

-John G. Petridis: "Effects of the Drying-off Procedure at the End of a Lactation Period, in the Health of the Udder of Ewes" (examination: May. 2014).

-Mariana S. Barbagianni: "Experimental Study of Pregnancy Toxaemia in Ewes and its Association with Mastitis in the Post-Partum Period" (examination: May. 2016).

-Angeliki I. Katsafadou: "Proteomic Study of Ovine Mastitis associated with Mannheimia haemolytica" (examination: Feb. 2017).

-Natalia G.C. Vasileiou: "Mastitis in Ewes associated with Staphylococcus spp.: New Clinical, Epidemiological, Management, Microbiological and Zoonotic Findings and Evaluation of a Novel Vaccine against the Disease" (examination: Jun. 2019).

-Dimitris C. Chatzopoulos: "Significance of Salmonella enterica subsp. diarizonae in the Diarrhoeic Syndrome of Lambs" (examination: Jul. 2019).

-Antonis P. Politis: "Diseases and Mortality of Ewes during the Peri-Parturient Period: Frequency Measures and Risk Factors" (examination: Jun. 2022).

-Daphne T. Lianou: "Mapping the Small Ruminant Industry in Greece: Health Management and Diseases of Animals, Preventive Veterinary Medicine and Therapeutics, Reproductive Performance, Production Outcomes, Veterinary Public Health, Socio-Demographic Characteristics of the Farmers" (examination: Jun. 2023).

- [Current supervision of PhD theses \(Univ. of Thessaly\) \(n=4\)](#)
Supervision of residents for European veterinary specialisation

- [Successful supervision of European specialisation residencies \(ECSRHM\) \(n=1\)](#)
-Gian Lorenzo d' Alterio: Diplomate of the European College of Small Ruminant Health Management (examination: Sep. 2016).

[Administrative duties at the University of Thessaly](#)

- [Veterinary Faculty](#)

- Head of Department of Obstetrics and Reproduction, Veterinary Faculty (May 1998 – today).
- Member of the academic board, Veterinary Faculty (May 1998 – today).
- Head of Division of Clinical Studies, Veterinary Faculty (Apr. 2021 – Apr. 2022).
- Deputy Dean, Veterinary Faculty (Dec. 2012 – Aug. 2014).
- Dean, Veterinary Faculty (Sep. 2016 – Aug. 2018 & Sep. 2018 – Aug. 2020).

- [Faculty of Animal Science](#)

- Foundation Dean, Faculty of Animal Science (Feb. 2019 – Apr. 2021).

- [Faculty of Public and One Health](#)

- Member of the academic board, Faculty of Public and One Health (Feb. 2019 – June 2023).
- Deputy Dean, Faculty of Public and One Health (Feb. 2021 – June 2023).
- Acting Dean, Faculty of Public and One Health (June 2023 – Aug. 2023).

- [School of Health Sciences](#)

- Member of the executive board, School of Health Sciences (Nov. 2013 – Aug. 2014, Sep. 2016 – Aug. 2018 & Sep. 2018 – Aug. 2020).
- Deputy Head of School, School of Health Sciences (Sep. 2018 – Aug. 2020).
- [School of Agricultural Sciences](#)
- Member of the executive board, School of Agricultural Sciences (Feb. 2019 – Apr. 2021).
- Deputy Head of School, School of Agricultural Sciences (Sep. 2020 – Apr. 2021).
- [University Research Centre Iason](#)
- Member of the executive committee, Institute for Animal Breeding (Jan. 2020 – Jan. 2023).
- [Averofeio AgroFood Technological Board of Thessaly](#)
- Head, Division of Animal Production (Apr. 2020 – today).
- [Committee for Postgraduate Studies](#)
- Member, Committee for Postgraduate Studies of University of Thessaly (Jan. 2015 – Jul. 2017).
- [Research Committee](#)
- Member, Research Committee University of Thessaly (Sep. 2000 – Aug. 2002, Sep. 2005 – Aug. 2008, Sep. 2008 – Aug. 2011, Sep. 2011 – Aug. 2014 & Oct. 2020 – Oct. 2023).
- Deputy chairperson, Research Committee University of Thessaly (Oct. 2020 – Oct. 2023).
- [Senate](#)
- Member, Senate University of Thessaly (Nov. 2013 – Aug. 2014, Dec. 2017 – Aug. 2018, Sep. 2018 – Aug. 2020, Sep. 2020 – today).
- Chairperson of the Nomination Committee for Council and Rector, University of Thessaly (Sep. 2022 – May. 2023).

[Organiser of scientific meetings \(n=10\)](#)

- 2nd Greek Conference for Small Ruminant Medicine (Karditsa, Greece; Nov. 1998).
- Scientific meeting "Problems and Prospects in Small Ruminant Reproduction" (Karditsa, Greece; Feb. 2002).
- 6th International Sheep Veterinary Congress (Hersonissos, Greece; Jun. 2005).
- 11th Greek Veterinary Congress (Athens, Greece; Mar. 2009).
- Scientific meeting "Current Issues in Sheep Therapeutics" (Patras, Greece; Oct. 2009).
- 2nd Greek Veterinary Congress for Farm Animal Medicine and Food Safety (Thessaloniki, Greece; Mar. 2011).
- 1st European Conference on Small Ruminant Health Management (Athens, Greece; Oct. 2011).
- Seminar "Clinical Applications in Sheep Reproduction" (Karditsa, Greece; Dec. 2014 & Jan. 2015).
- 13th Greek Veterinary Congress (Athens, Greece; May. 2015).
- Scientific meeting 'Milk Production and Udder Health in Small Ruminant Farms in Greece' (Ioannina, Greece; Sep. 2022).

Invited / Keynote presentations in scientific meetings

• Invited / Keynote presentations internationally (n=47)

- 4th Turkish Veterinary Microbiology Congress (Ankara, Turkey; Sep. 2000 - organiser: Veteriner Hekimleri Mikrobiyoloji Dernegi).
- 5th International Sheep Veterinary Congress (Stellenbosch, South Africa; Jan. 2001 - organiser: South African Veterinary Medical Association, Livestock branch).
- British Mastitis Conference (Brockworth, United Kingdom; Oct. 2002 - organiser: Institute for Animal Health).
- Spring Scientific meeting of the British Sheep Veterinary Society (Hannover, Germany; May. 2007 - organiser: British Sheep Veterinary Society & Klinik für kleine Klautiere und forensische Medizin und Ambulatorische Klinik, Tierärztliche Hochschule Hannover).
- 15th International Congress of the Mediterranean Federation for Health and Production of Ruminants (Kusadasi, Turkey; May 2007 - organiser: Federazione Mediterranea Sanità e Produzione dei Ruminanti).
- Autumn Scientific meeting of the British Sheep Veterinary Society (Exeter, United Kingdom; Sep. 2007 - organiser: British Sheep Veterinary Society).
- 13th Annual Great Lakes Dairy Sheep Symposium (Guelph, Canada; Nov. 2007 - organiser: Dairy Sheep Association of North America).
- Autumn Scientific meeting of the British Sheep Veterinary Society (Lancaster, United Kingdom; Sep. 2008 - organiser: British Sheep Veterinary Society).
- Seminar titled "Resist Resistance" (Annecy, France; Oct. 2008, - organiser: Fort-Dodge Animal Health).
- Cyprus Veterinary Conference (Limassol, Cyprus; Mar. 2009 - organiser: Cyprus Veterinary Association).
- 7th International Sheep Veterinary Congress (Stavanger, Norway; Jun. 2009 - organiser: Norges Veterinærhøgskole).
- Seminar titled "Sheep Milk Production and Mastitis in Ewes" (Pitlochry, United Kingdom; Sep. 2009 - organiser: British Sheep Veterinary Society).
- 34th National Congress of the Spanish Society for Sheep and Goat Science (Barbastro, Spain; Sep. 2009 - organiser: Sociedad Espanola de Ovinotecnia y Caprinotecnia).
- Seminar titled "Correct Use of Veterinary Antiparasitic Drugs" (Lisbon, Portugal; May 2010 - organiser: Pfizer Animal Health).
- Seminar titled "Sheep Health Management" (Paris, France; Jun 2010, - organisers: Commission Ovine & Commission Caprine, Societe Nationale des Groupements Techniques Veterinaires).

-Autumn Scientific meeting of the British Sheep Veterinary Society (Lancaster, United Kingdom; Sep. 2010 - organiser: British Sheep Veterinary Society).

-19th National Congress of the Italian Society for Sheep and Goat Medicine and Breeding (Pesaro, Italy; Sep. 2010 - organiser: Societa Italiana di Patologia e di Allevamento degli Ovine e di Caprini).

-26th World Buiatrics Congress (Santiago, Chile; Nov. 2010 - organiser: World Buiatrics Association).

-Spring Scientific meeting of the British Sheep Veterinary Society (Maribo, Denmark; May. 2011 - organiser: British Sheep Veterinary Society).

-62nd Annual Meeting of the European Federation of Animal Science (Stavanger, Norway; Aug. 2011 - organiser: European Federation of Animal Science).

-30th World Veterinary Congress (Cape Town, South Africa; Oct. 2011 - organiser: World Veterinary Association).

-1st European Conference in Small Ruminant Health Management (Athens, Greece; Oct. 2011 - organiser: European College of Small Ruminant Health Management).

-27th World Buiatrics Congress (Lisbon, Portugal; Jun. 2012 - organiser: World Buiatrics Association).

-9th European Veterinary Parasitology Conference (Leon, Spain; Sep. 2012 - organiser: European Veterinary Parasitology College).

-8th International Sheep Veterinary Congress (Christchurch, New Zealand; Feb. 2013 - organiser: New Zealand Sheep and Beef Cattle Veterinary Association).

-31st World Veterinary Congress (Prague, Czech Republic; Sep. 2013 - organiser: World Veterinary Association).

-21th National Congress of the Italian Society for Sheep and Goat Medicine and Breeding (Foggia, Italy; Sep. 2014 - organiser: Societa Italiana di Patologia e di Allevamento degli Ovine e di Caprini).

-2nd European Conference in Small Ruminant Health Management (London, United Kingdom; Oct. 2014 - organiser: European College of Small Ruminant Health Management).

-Seminars titled "Control of Mastitis in Small Ruminants" (Granada/Ciudad Real/Zamora, Spain; Sep. 2015 - organiser: Hipra Salud Animal).

-32nd World Veterinary Congress (Istanbul, Turkey; Sep. 2015 - organiser: World Veterinary Association).

-40th National Congress of the Spanish Society for Sheep and Goat Science (Castelón de la Plana, Spain; Sep. 2015 - organiser: Sociedad Española de Ovinotecnia y Caprinotecnia).

-VI Congreso Helenico Internacional Nostos 2015 (Buenos Aires, Argentina; Dec. 2015 – organisers: Facultad de Ciencias Economicas, Universidad de Buenos Aires & Embassy of Greece in Buenos Aires & NOΣΤΟΣ association cultural helenica en Argentina).

-12th International Goat Conference (Antalya, Turkey; Sep. 2016 – organiser: International Goat Association).

-CPD course titled "Respiratory Diseases of Sheep" (Zaragoza, Spain; Jan. 2017 - organiser: Universidad de Zaragoza & European College of Small Ruminant Health Management).

-9th International Sheep Veterinary Congress and 3rd European Conference in Small Ruminant Health

Management (Harrogate, United Kingdom; May. 2017 - organiser: British Sheep Veterinary Society & European

College of Small Ruminant Health Management).

-CPD course titled "Understanding and Controlling Dairy Ruminant Mastitis" (Alghero, Italy; Sep. 2017 - organiser:

Porto Conte Ricerche – Science and Technology park of Sardegna).

-CPD course titled "Use of Modern Diagnostic Imaging Techniques in Health Management of Sheep" (Zaragoza, Spain;

Jan. 2018 - organiser: Universidad de Zaragoza & European College of Small Ruminant Health Management).

-Annual Meeting of the European College of Small Ruminant Health Management (Thessaloniki, Greece, May. 2018

- organiser: European College of Small Ruminant Health Management).

-International Mastitis Conference 2018 – Satellite meeting in Small Ruminant Mastitis (Alghero, Italy, Jun. 2018 –

organiser: Università degli Studi di Milano 'La Statale' and National Mastitis Council, Quality Milk Production

Services).

-CPD course titled "Animal Welfare and Milk Quality" (Foggia, Italy; Jul. 2018 - organiser: Dipartimento di Scienze Agrarie, degli Alimenti e dell' Ambiente, Università di Foggia).

-Next Generation Dairy Research Workshop 2018 (Edinburgh, Great Britain, Nov. 2018 – organiser: Hannah Research Institute).

-CPD course titled "Mammary Diseases of Sheep" (Karditsa, Greece; Mar. 2019 - organiser: European College of Small Ruminant Health Management).

-8th Congress of the Turkish Veterinary Gynaecology (Belek, Turkey, Oct. 2019 – organiser: Turkish Society of Veterinary Gynaecology).

-Dairy Science Forum (Electronic meeting, Nov. 2020 – organiser: Hannah Research Institute).

-24th Annual ESDAR conference 2021 (Electronic meeting, Oct. 2021 – organiser: European Society of Domestic Animal Reproduction).

-25th Annual ESDAR conference 2022 (Thessaloniki, Greece, Sep-Oct. 2021 – organiser: European Society of Domestic Animal Reproduction).

-5th National – 2nd International Sheep-Goat Health Management Congress (Marmaris, Turkey, Apr. 2023 - Farm

Animal Veterinary Medicine Association of Turkey).

▪ Invited / Keynote presentations in Greece (n=36)

-Scientific meeting "Agrochemicals and Environment" (Chania, Greece; Dec. 1989 - organiser: Geotechnical Chamber of Greece).

-Scientific meeting "Prospects of Agriculture in Crete" (Iraklion, Greece; Dec. 1992 - organiser: Geotechnical Chamber of Greece).

-2nd Greek Veterinary Scientific Meeting for Small Ruminants (Karditsa, Greece; Nov. 1998 - organiser: Hellenic Veterinary Medical Society).

-3rd International Seminar on Diseases of Reproduction (Thessaloniki, Greece; Apr. 1999 - organiser: Department of Obstetrics and Artificial Insemination, School of Veterinary Medicine, Aristotle University of Thessaloniki).

-1st Greek Scientific Meeting of Food Hygiene and Technology (Athens, Greece; Feb. 2000 - organiser: Hellenic Veterinary Medical Society).

-Scientific meeting on Organic Agriculture (Argostoli, Greece; Jun. 2000 - organiser: Technological Educational Institute of Ionian Islands).

-Scientific meeting "Problems and Prospects in Small Ruminant Reproduction" (Karditsa, Greece; Feb. 2002 - organiser: Department of Obstetrics and Reproduction, Veterinary Faculty, University of Thessaly).

-9th Greek Veterinary Congress (Thessaloniki, Greece; Nov. 2002 - organiser: Hellenic Veterinary Medical Society).

-4th Greek Congress for Farm Animal Medicine (Thessaloniki, Greece; Feb. 2005 - organiser: Hellenic Veterinary Medical Society).

-Scientific meeting "Total Quality in Animal Production" (Arta, Greece; Jun. 2006 - organiser: Technological Educational Institute of Epirus).

-1st Greek Veterinary Congress for Farm Animal Medicine & Food Safety (Athens, Greece; Mar. 2008 - organiser: Hellenic Veterinary Medical Society).

-Scientific meeting "Animal Welfare in Greece: Problems and Prospects" (Karditsa, Greece; Oct. 2008 - organiser: Karditsa Society for Animal Welfare).

-11th Greek Veterinary Congress (Athens, Greece; Mar. 2009 - organiser: Hellenic Veterinary Medical Society).

-Scientific meeting "Current Issues in Sheep Therapeutics" (Patras, Greece; Oct. 2009 - organiser: Department of Obstetrics and Reproduction, Veterinary Faculty, University of Thessaly).

-9th Greek Congress for Companion Animal Medicine (Athens, Greece; Mar. 2010 - organiser: Hellenic Veterinary Medical Society).

-Seminar titled "Correct Use of Veterinary Antiparasitic Drugs" (Athens, Greece; May 2010, - organiser: Pfizer Animal Health).

-2nd Greek Veterinary Congress for Farm Animal Medicine & Food Safety (Thessaloniki, Greece; Mar. 2011 - organiser: Hellenic Veterinary Medical Society).

-Scientific meeting "Control of Reproductive Disorders of Ruminants" (Karditsa, Greece; Sep. 2011 - organiser: Hellenic Veterinary Medical Society).

-12th Greek Veterinary Congress (Athens, Greece; Apr. 2012 - organiser: Hellenic Veterinary Medical Society).

-Seminar titled "Design of Programs for Strategic Administration of Anthelmintics in Small Ruminants" (Xanthi, Greece; Oct. 2012 - organiser: Hellenic Veterinary Medical Society).

-Seminar titled "Health Management of Pregnant Ewes" (Thessaloniki, Greece; May. 2013 - organiser: Ceva Animal Health).

-Scientific meeting "Postgraduate Studies outside Greece" (Athens, Greece; Nov. 2013 - organisers: IVSA Thessaloniki & IVSA Thessaly).

-3rd Greek Veterinary Congress for Farm Animal Medicine & Food Safety (Ioannina, Greece; May. 2014 - organiser: Hellenic Veterinary Medical Society).

-Seminars entitled "Clinical Applications in Sheep Reproduction" (Karditsa, Greece; Dec. 2014 & Jan. 2015 - organiser: Department of Obstetrics and Reproduction, University of Thessaly).

-Scientific meeting "Bluetongue: Problems and Prospects for Controlling the Disease in Greece" (Thessaloniki, Greece; Jan. 2015 - organiser: Hellenic Veterinary Association).

-13th Greek Veterinary Congress (Athens, Greece; May. 2015 - organiser: Hellenic Veterinary Medical Society).

-1st Greek Conference for the Study and Control of Vector-Borne Diseases (Sparta, Greece; Dec. 2016 – organiser: Administrative Region of Peloponnese).

-4th Greek Veterinary Congress for Farm Animal Medicine & Food Safety (Volos, Greece; May. 2017 - organiser: Hellenic Veterinary Medical Society).

-Seminar titled "Control of Mastitis in Small Ruminants" (Karditsa, Greece; Sep. 2017 - organiser: Hipra Salud Animal).

-Scientific meeting "Reproductive System of Female Dogs" (Athens, Greece; Feb. 2018 - organiser: Small Animal Veterinary Association of Attica).

-14th Greek Veterinary Congress (Thessaloniki, Greece; May. 2018 - organiser: Hellenic Veterinary Medical Society).

-Scientific meeting "Averofio AgroFood Technological Park of Thessaly: collaborations, challenges and prospects of agrifood industry" (Larissa, Greece; Jun. 2022 - organiser: Averofio AgroFood Technological Park of Thessaly).

-Scientific meeting "Milk Production and Udder Health in Small Ruminant Farms in Greece" (Ioannina, Greece; Sep. 2022 – organiser: Department of Obstetrics and Reproduction, Veterinary Faculty, University of Thessaly).

-15th Greek Veterinary Congress (Athens, Greece; Nov. 2022 - organiser: Hellenic Veterinary Medical Society).

-Scientific meeting "Challenges in Small Ruminant Farming in Greece" (Thessaloniki, Greece; Feb. 2023 – organiser: Hellenic Veterinary Association).

-Scientific meeting "Novel Educational Practices in Tertiary Education" (Volos, Greece, Mar. 2023 - organiser: Department for Teaching Support of University of Thessaly).

▪ [Invited participations in scientific committees of international conferences \(n=10\)](#)

-6th International Sheep Veterinary Congress (Hersonissos, Greece - Jun. 2005).

-7th International Sheep Veterinary Congress (Stavanger, Norway - Jun. 2009).

-1st European Conference in Small Ruminant Health Management (Athens, Greece - Oct. 2011).

-27th World Buiatrics Congress (Lisbon, Portugal – Jun. 2012).

-11th International Conference on Goats (Las Palmas, Spain – Sep. 2012).

-8th International Sheep Veterinary Congress (Christchurch, New Zealand - Feb. 2013).

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

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

-12th International Conference on Goats (Antalya, Turkey – Sep. 2016).

-9th International Sheep Veterinary Congress and 3rd European Conference in Small Ruminant Health

Management (Harrogate, United Kingdom – May. 2017).

Involvement in scientific journals

▪ Editorships (n=9)

- Small Ruminant Research (Mar. 2010 – Dec. 2020) – editor.
- Journal of the Hellenic veterinary medical Society (May 2012 - May 2015) – chief editor.
- BMC Veterinary Research (Nov. 2016 – Aug. 2018) – associate editor.
- Journal of Dairy Research (Dec. 2019 – today) – executive editor.

▪ Guest-editorships of thematic issues (n=7)

- Animal Reproduction Science.
- Frontiers in Veterinary Science.
- Microorganisms.
- Pathogens.
- Veterinary Microbiology.
- Veterinary Parasitology.

▪ Membership of editorial boards (n=3)

- Journal of the Hellenic Veterinary Medical Society (Apr. 1994 - Mar. 1997).
- Small Ruminant Research (Apr. 2003 - Feb. 2010).
- Journal of Dairy Research (Dec. 2015 – Dec. 2019).

▪ Book reviewer for publishing houses (n=2)

- CABI Publishing.
- Wiley-Blackwell.

▪ Book reviewer for scientific journals (n=2)

- Livestock Science
- Small Ruminant Research.

▪ Referee in scientific journals (n=174)

-Acta tropica, Acta veterinaria Eurasia, Acta veterinaria scandinavica, Advances in Biology, Biotechnology and Genetics, Advances in Preventive Medicine, African Journal of agricultural Research, African Journal of Biotechnology, African Journal of microbiological Research, Agriculture, AIMS Microbiology, All Life, Alternative & integrative Medicine, AMB Express, American Journal of Current & Applied Research in Microbiology, Analytical Biochemistry, Anatomia-Histologia-Embryologia, Animal, Animal Production Science, Animal Research and Veterinary Science, Animal Science, Animal Welfare, Animals, Annals of animal Science, Annals of Case Reports, Annals of clinical Cytology and Pathology, Antibiotics, Antioxidants, Applied Sciences, Archive of Food and Nutritional Science, Archivos de Medicina veterinaria, Asian Journal of Advances in agricultural Research, Austin Journal of veterinary Science and Animal Husbandry, Australian Journal of experimental Agriculture, Biology,

Biomaterials, Biomolecules, Biotechnology Reports, BMC Urology, BMC Veterinary Research, British Journal of Medicine and medical Research, British medical Journal Case Reports, Canadian veterinary Journal, Ciencia rural, Comparative Immunology, Microbiology and Infectious Diseases, Current Drug Metabolism, Crystals, Current Issues in molecular Biology, Current medical Imaging Reviews, Current Microbiology, Current Rheumatology Reviews, Dairy, Dermatology Research and Practice, Diagnostics, Diversity, Domestic Animal Endocrinology, Fermentation, Fisheries and Livestock Production, Food Chemistry, Frontiers in veterinary Science, Foods, Genes, Global Journal of Ecology, Global Journal of rare Diseases, Gynecology Research, Heliyon, Histology and Histopathology, Imaging Journal of clinical and medical Sciences, Infection, Genetics and Evolution, Infectious Diseases, International Archive of medical Microbiology, International Journal of agricultural Policy and Research, International Journal of agricultural Science and Food Technology, International Journal of Agronomy, International Journal of biological Sciences, International Journal of clinical Endocrinology, International Journal of Dentistry, International Journal of Ecology, International Journal of environmental Research and public Health, International Journal of Food Science, International Journal of molecular Sciences, International Journal of molecular veterinary Research, International Journal of Pharmacy and pharmaceutical Sciences, International Journal of veterinary Science and Medicine, International Journal of Virology and infectious Diseases, Iranian Journal of applied animal Science, Irish veterinary Journal, Italian Journal of animal Science, Journal of Agronomy and agricultural Science, Journal of Animal Research and Nutrition, Journal of Animal Science and Research, Journal of Dairy Research, Journal of Dairy Science, Journal of Food Science & Nutrition, Journal of Gynaecology Research, Journal of Infection and public Health, Journal of infectious Diseases and Epidemiology, Journal of infectious Diseases and Pathogenesis, Journal of Inflammation, Journal of medical and biological Science Research, Journal of medical diagnostic Methods, Journal of medical Microbiology, Journal of Parasitology and Vector Biology, Journal of Proteomics, Journal of respiratory Diseases and Medicine, Journal of Surgery and surgical Research, Journal of the Saudi Society of agricultural Sciences, Journal of tropical Medicine, Journal of veterinary and animal Research, Journal of veterinary Medicine, Journal of veterinary Medicine A, Journal of veterinary Medicine and Animal Health, Journal of veterinary Pharmacology and Therapeutics, Journal of veterinary

Research and animal Husbandry, Journal of veterinary Science and animal Husbandry, Journal of veterinary Science and Technology, Journal of Wildlife Diseases, JSM Human Nutrition and Food Science, Korean Journal of veterinary Science, Large Animal Review, Letters in Applied Microbiology, Livestock Production Science, Livestock Science, Marine Drugs, Metabolites, Microorganisms, Nutrients, Obstetrics and Gynecology Cases, Open Journal of Gynaecology and Obstetrics Research, Open Medicine, Open Journal of Pediatrics and neonatal Care, Open veterinary Journal, Pandemics of communicable Diseases, Parasitology Research, Pathogens, Preventive veterinary Medicine, Recent Patents on anti-infective Drug Discovery, Reproduction in domestic Animals, Reproductive Biology, Research and Reviews in Infectious Diseases, Research in veterinary Science, Revue de Medecine veterinaire, RUDN Journal of Agronomy and Animal Industries, Ruminants, Saudi Journal of biological Sciences, Scientific Reports, Scientific World Journal, Sensors, SM Veterinary Medicine and Science, Small Ruminant Research, SOJ Microbiology & Infectious Diseases, SOJ Surgery, SOJ Veterinary Sciences, Sokoto Journal of veterinary Sciences, Spanish Journal of agricultural Research, Theriogenology, Tropical animal Health and Production, Tropical Medicine and infectious Disease, Turkish Journal of veterinary and animal Science, Vaccines, Vascular Surgery: Clinics in Surgery, Veterinarski Arhiv, Veterinary and Animal Sciences, Veterinary Journal, Veterinary Medicine International, Veterinary Microbiology, Veterinary Pathology, Veterinary Parasitology, Veterinary Parasitology (Regional Studies and Reports), Veterinary Record, Veterinary Research, Veterinary Sciences, Veterinary World

Participation in European veterinary authorities

▪ Federation of the Veterinarians in Europe

-Representative of the Hellenic Veterinary Association (Nov. 2011 - Jun. 2013).

▪ European Board of Veterinary Specialisation

-Member of the board (Mar. 2008 – Apr. 2018).

-Representative of the board in Greece (Oct. 2010 – Dec. 2017).

-Chairperson of the nomination committee (3 terms: Apr. 2013 - Apr. 2015, Apr. 2015 - Apr. 2017, Dec. 2019 – Dec. 2021 & Dec. 2021 - today).

▪ European College of Small Ruminant Health Management

-President (May. 2008 – Oct. 2011).

-Member of the Board (3 terms: Oct. 2011 – Oct. 2014, Oct. 2014 – May 2017 & May 2017 – Oct. 2020).

- [European Food Safety Authority](#)

- Invited expert member of the working group of the European Food Safety Authority in the theme 'Welfare of sheep' (Jun. 2014).

- [European Association of Educational Veterinary Establishments](#)

- Expert evaluator (Jun. 2009 - Jun. 2011).

- Representative of the Veterinary Faculty of the University of Thessaly (Sep. 2016 – Aug. 2020).

Participation in boards and committees of national authorities in European Union

- [Hellenic Republic - Greek Ministry of Agriculture and Food](#)

- Scientific advisor for matters regarding small ruminant health management (3 appointments: 2004, 2014, 2015).

- [Hellenic Republic - Greek Ministry of Education](#)

- Member of the committee for the evaluation of veterinary Faculties (Jul. 2019 – Jun. 2020).

- [Hellenic Republic – Ministry of Health - Greek Pharmaceutical Products Regulatory Authority](#)

- Member / Vice-chairman / Chairman of the scientific committee for licencing of veterinary pharmaceutical

- products (Oct. 2004 – Sep. 2017 / Sep. 2017 – Sep. 2020 / Sep. 2020 – today, respectively).

- [Republic of Cyprus – Ministry of Education – Supreme Council for Recognition of Higher Education Qualifications](#)

- Coordinator of the evaluation committee of qualifications in the field of veterinary science (Jan. - Dec. 2012).

- [Republic of Ireland - Ministry for Agriculture, Food and the Marine – Teagasc Agriculture and Food Development Authority](#)

- Evaluator of proposals of research programs (Oct. 2013).

- [Republic of Latvia - Ministry for Education and Science – State Education Development Agency](#)

- Evaluator of proposals of research programs (Mar. 2017, Jul 2018).

- [Republika Hrvatska - Ministry for Science and Education – Agency for Science and Higher Education](#)

- Chairman of the Committee for external evaluation and accreditation of the Faculty of Agriculture of University of Zagreb (Jan. 2018).

- Board membership in scientific societies

- [Hellenic Veterinary Medical Society](#)

- President of the Division for Farm Animals (4 terms: Apr. 2009 - Mar. 2012, Apr. 2012 - Apr. 2015, Apr. 2015 –

- May 2018 & Jun. 2018 – Jun. 2021).

- Member of the executive board (2 terms: Apr. 2012 - Apr. 2015, Jun. 2018 – Jun. 2021).

- [Agricultural Academy of Greece](#)

- Member of the executive board (2 terms: Mar. 2012 - Mar. 2014 & Mar. 2014 - Mar. 2016).

Selected Publications

KATSAROU EI, LIANO DT, PAPADOPOULOS E, FTHENAKIS GC (2022) Long-term climatic changes in small ruminant farms in Greece and potential associations with animal health. *Sustainability* 14:1673.

LIANO DT, ARSENOPOULOS KV, MICHAEL CK, PAPADOPOULOS E, FTHENAKIS GC (2022). Protozoan parasites in adult dairy small ruminants and potential predictors for their presence in faecal samples. *Microorganisms* 10:1931.

LIANO DT, FTHENAKIS GC (2022). Scientometrics study of research output on sheep and goats from Greece. *Animals* 12:2666.

LIANO DT, FTHENAKIS GC (2022). Use of antibiotics against bacterial infections on dairy sheep and goat farms: patterns of usage and associations with health management and human resources. *Antibiotics* 11:753.

LIANO DT, MICHAEL CK, GOUGOULIS DA, CRIPPS PJ, VASILEIOU NGC, SOLOMAKOS N, PETINAKI E, KATSAFADOU AI, ANGELIDOU E, ARSENOPOULOS KV, PAPADOPOULOS E, ALBENZIO M, MAVROGIANNI VS, CAROPRESE MC, FTHENAKIS GC (2022) High milk somatic cell counts and increased Teladorsagia burdens overshadow non-infection-related factors as predictors of fat and protein content of bulk-tank raw milk in sheep and goat farms. *Foods* 11:443.

LIANO DT, MICHAEL CK, PETINAKI E, MAVROGIANNI VS, FTHENAKIS GC (2022) Administration of vaccines in dairy sheep and goat farms: patterns of vaccination, associations with health and production parameters, predictors. *Vaccines* 10:1372.

LIANO DT, PETINAKI E, MICHAEL CK, SKOULAKIS A, CRIPPS PJ, KATSAROU EI, PAPADOPOULOS E, BILLINIS C, KATSAFADOU AI, MAVROGIANNI VS, CAROPRESE M, FTHENAKIS GC (2022) Zoonotic problems reported by sheep and goat farmers and factors potentially contributing to the occurrence of brucellosis among them. *International Journal of Environmental Research and Public Health* 19:10372.

LIANO DT, SKOULAKIS A, MICHAEL CK, KATSAROU EI, CHATZOPOULOS DC, SOLOMAKOS N, TSILIPOUNIDAKI K, FLOROU Z, CRIPPS PJ, KATSAFADOU AI, VASILEIOU NGC, DIMOVELI KS, BOURGANOU MV, LIAGKA DV, PAPATSIROS VG, KONTOU PI,

MAVROGIANNI VS, CAROPRESE M, PETINAKI E, FTHENAKIS GC (2022). Isolation of *Listeria ivanovii* from bulk-tank milk of sheep and goat farms – from clinical work to bioinformatics studies: prevalence, association with milk quality, antibiotic susceptibility, predictors, whole genome sequence and phylogenetic relationships. *Biology* 11:871.

TSILIPOUNIDAKI K, FLOROU Z, LIANOU DT, MICHAEL CK, KATSAROU EI, SKOULAKIS A, FTHENAKIS GC, PETINAKI E (2022) Detection of zoonotic gastrointestinal pathogens in dairy sheep and goats by using FilmArray® multiplex-PCR technology. *Microorganisms* 10:714.

CURRICULUM VITAE AND LIST OF PUBLICATIONS

Abstract



Prof. **Itamar Grotto** is a Public Health Physician and Professor of Epidemiology. He was the Director of Public Health Services (2007-2017) and the Associate Director General (2017-2021) of the Israel MoH. Between 2018 and 2021 he was a Member of the Executive Board of the World Health organization (WHO).

In his capacities in the Israel Ministry of Health (MoH), he was responsible for the three main pillars of Public Health: **Prevention, Promotion and Protection**. He led a major conceptual and operational changes in the **preventive services**, including the establishment of the Israel National Immunization Registry and inclusion of nine new vaccines in the Israeli Public Vaccination Schedule. He also

initiated and developed **Israel's National Health Promotion** program aimed to prevent obesity and related diseases. During his time in service, the fields of **Environmental Health and Food Safety** underwent through major regulatory reforms. In 2013, Prof. Grotto led the response of the Israeli MoH to the silent transmission of wild poliovirus, which resulted in polio re-eradication from Israel with no clinical cases. In 2017-2021 he developed the fields of Digital Health and Cyber Security in the Israel Health System. He served as the Director of the National Inter Ministerial Committee that led the Medical Cannabis reform in Israel. Prof. Grotto established "**HealthCare Israel**" which was created by Israel's MoH to deliver lifesaving and cost-saving healthcare innovation, technology, and expertise to the world.

During the **Covid-19** outbreak in Israel, Prof. Grotto took a major role in the development of national strategy and lead the **integrative** and **operative** aspects of the emergency response of the Israeli government.

Prof. Grotto is a member of the School of Public Health in Ben-Gurion University in Israel. His main research activities are in the fields of infectious diseases, environmental health, health promotion and public health policy development. Prof. Grotto has authored more than 230 scientific publications.

In his capacity as a member of the **Executive Board of WHO** between 2018-2021, he led to the Executive Board resolution on "The Highest Attainable Standard of Health for Persons with Disabilities" in January 2021 and took part in the Executive Board discussions and decision making during the COVID-19 pandemic until May 2021.

In June 2023, Prof. Grotto was appointed as an Adjunct Professor at the European University of Cyprus.

Currently, Prof. Itamar Grotto is an international advisor on Public Health and Health Administration, and entrepreneur.

He holds the following positions:

- Full Professor of Public Health and Epidemiology, **Ben Gurion University** of the Negev, Beer Sheva, Israel
- Adjunct Professor, **European University of Cyprus**, Nicosia, Cyprus.
- Chair, **Jerusalem Medical Research Fund, Infrastructure Development and Health Services (NGO)**
- Executive Chairman, **PsyRx** Company, Rehovot, Israel
- Main researcher, The Israel National Program for the Assessment of Processes and Outcome Measures in **Community Mental Health Rehabilitation**, Jerusalem, Israel

Personal Details

Family name, first name Grotto, Itamar

Date and place of birth October 19, 1964, Israel

Address (Israel): 19 Izmargad St., Hod Hasharon, 45045, Israel

Address (Cyprus): Androkleous 9, Agios Tychonas, Limassol District, 4521, Cyprus

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Position (1): Full Professor, School of Public Health, Faculty of Health Sciences, Ben Gurion University of the Negev, Beer Sheva, Israel

Position (2): Adjunct Full Professor, School of Medicine, European University of Cyprus, Nicosia, Cyprus

Academic Education

Second degree (MD)

1982-1989 Tel Aviv University, Tel-Aviv, Israel (TAU), Sackler Medical School

Second degree (MPH): cum laude

1996-1999 Hebrew University, Jerusalem, Israel, Braun School of Public Health

Third degree (PhD) cum laude

2005-2008 Ben-Gurion University of the Negev, Beer Sheva, Israel (BGU), Department of Health Systems Management Faculty of Health Sciences

Wexner Senior Leadership Program (WSLP)

2016 Harvard Kennedy School, Cambridge, Massachusetts, USA

Board Certification

2021 Board Specialty in Public Health

Employment History

1990-1991	Armored Battalion Medical Officer, Medical Corps, Israel Defense Force , Israel
1992-1993	Armored Brigade Medical Officer, Medical Corps, Israel Defense Force , Israel
1994-1996	Head of Epidemiology Section Medical Corps, Israel Defense Force , Israel
1996-1998	Public health physician, Tel Aviv District of Health Office , Israel
1998-1999	Head of Epidemiology Section, Medical Corps, Israel Defense Force , Israel
2000	Clinical epidemiologist, Pediatrics department, Schneider Children's Medical Center , Petah Tiqwa, Israel
2000-2001	Clinical Epidemiologist, Hematology Department, Soroka University Medical Center , Beer Sheva, Israel
2001-2004	Head of Army Health Branch, Medical Corps, Israel Defense Force , Israel
2004-2007	Member of staff, Epidemiology department, Faculty of Health, Sciences, Ben Gurion University of the Negev , Beer Sheva, Israel
2007-2017	Director, Public Health Services, Israel Ministry of Health , Jerusalem, Israel
2007-present	Senior Researcher, Faculty of Health Sciences, Ben Gurion University of the Negev, Beer Sheva, Israel
2017-2021	Associate Director General, Israel Ministry of Health , Jerusalem, Israel
2017-present	Jerusalem Medical Research Fund, Infrastructure Development and Health Services (NGO) , Jerusalem, Israel
2022-2023	Board Member, Canonic Company, Rehovot, Israel
2022-present	Executive Chairman, PsyRx Company, Rehovot, Israel
2023-present	Adjunct Professor, European University of Cyprus , Nicosia, Cyprus
2023-present	Main researcher, The Israel National Program for the Assessment of Processes and Outcome Measures in Community Mental Health Rehabilitation , Jerusalem, Israel

Current academic appointments

Full Professor, School of Public Health, Faculty of Health Sciences, Ben Gurion University of the Negev, Beer Sheva, Israel

Adjunct Full Professor, School of Medicine, European University of Cyprus, Nicosia, Cyprus

Additional Functions

1997-2007	Member, Israel Ministry of Health New Vaccinations and Serum Product Committee
1998-2007	Member, Israel Ministry of Health Epidemiology Advisory Committee
2001- 2017	Member, Ministry of Health Epidemiology Management Team (EMT).
2003- 2009	Secretary, Association of Public Health Physicians in Israel
2005-2017	Member, Israeli Medical Association Scientific Council
2008-2017	Member, Council of the Israeli Anti Drugs Authority
2008-2021	Member, The Israeli Public Advisory Council for Statistics
2018-2023	Chair, Israel Veterinary Supervision Corporation
2018-2021	World Health Organization – Member of the Executive Board of the World Health Organization, on behalf of the State of Israel

Awards, Citations, Honors, Competitive Fellowships

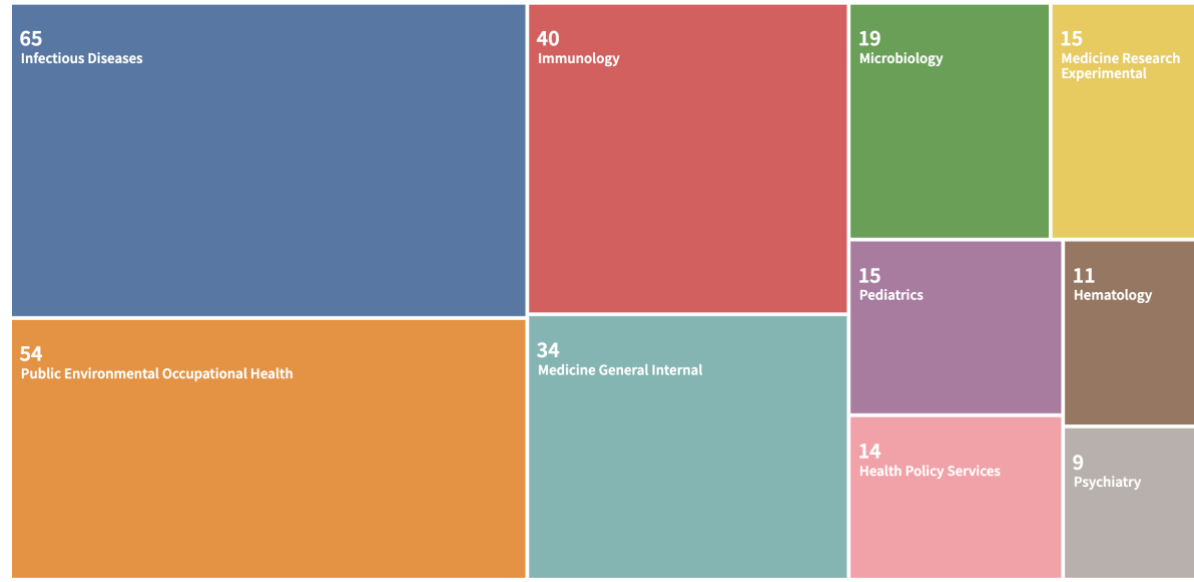
1988	Sackler School of Medicine - Tel-Aviv University, Excellence in Medical Studies (6th year)
1997	Hebrew University School of Public Health, Excellence in MPH Studies (1st year)
1999	Israeli Medical Association, Distinction in final public health specialization exam
2000	Hebrew University School of Public Health, Excellence in MPH Studies
2015	Israel Civil Service Commission, Management Excellence Award
2016	Ben Gurion University of the Negev, Graduate Award for Special contribution to Science and Society

Scientific Publications

H-Index = 36 (ISI web of knowledge)

Total citations – 3,934; without self-citations – 3,845

Total of 245 publications in ISI web of knowledge:



Refereed articles in scientific journals

1. Halperan Z, Rubin M, **Grotto I**, Moser A, Dvir A, Lichtenberg D, Gilat T. Bile and plasma lipid composition in non-obese normo-lidemic subjects with and without cholesterol gallstones. *Liver* 1993;13:246-252.
2. **Grotto I**, Block MBB, Lerman Y, Weiner M, Ashkenazi S. Meningococcal disease in the Israel Defense Force: Epidemiological trends and new challenges. *Isr J Med S* 1995;31:54-58.
3. **Grotto I**, Mandel Y, Ashkenazi I, Shemer Y. The epidemiology of diarrhea outbreaks and food poisoning in the IDF, 1978-1995. *Harefua* 1997;133:255-264.
4. **Grotto I**, Mandel Y, Green MS, Varsano N, Gdalevich M, Ashkenazi I, Shemer J. Influenza vaccine efficacy in young, healthy adults. *Clin Infect Dis* 1998;26:913-917.
5. Gdalevich M, **Grotto I**, Mandel Y, Shemer J, Ashkenazi I. Hepatitis A antibody prevalence among young adults in Israel – the decline continues. *Epidemiol Infect* 1998;121:477-479.
6. Haviv J, Huerta M, Shlberg O, Klement E, Ash N, **Grotto I**. Poisonous animal bites in the Israel Defense Forces. *Public Health Reviews*. 1998;26:237-245.
7. Gdalevich M, Gillis D, Mimouni D, **Grotto I**, Shlberg O. Trends in epidemiology of hepatitis in the Israel Defense Forces. *Harefuah* 2000;138:755-757.
8. Mimouni D, Gdalevich M, Mimouni F, **Grotto I**, Eldad A, Shlberg O. 2000. Does immune serum globulin confer protection against skin diseases? *Int J Dermatol* 2000;39:628-631.
9. Huerta M, **Grotto I**, Gdalevich M, Mimouni D, Gavrieli B, Yavzori M, Cohen D, Shlberg O. A waterborne outbreak of gastroenteritis in the Golan Heights due to enterotoxigenic *Escherichia coli*. *Infection* 2000;28:267-271.
10. Avigdor A, Hardan I, Shlberg O, Raanani P, **Grotto I**, Ben-Bassat I. High-dose chemotherapy and autologous stem cell transplantation for refractory and relapsing Hodgkin's disease. *Harefuah* 2000;139:174-179.
11. Gdalevich M, Ephros M, Mimouni D, **Grotto I**, Shlberg O, Eldad A, Ashkenazi I. Measles Edemic in Israel-Successful Containment in the Military. *Prevent Med* 2000;31:649-651.
12. Raanani P, Levi I, Holzman F, **Grotto I**, Brok-Simoni F, Avigdor A, Davidson J, Shlberg O, Ben-Bassat I. Engraftment associated hypophosphatemia – the role of cytokine release and steep leukocyte rise post stem cell transplantation. *Bone Marrow Transplant* 2001;27:311-317.

13. **Grotto I**, Handsher R, Gdalevich M, Mimouni D, Huerta M, Green MS, Mendelson E, Shlberg O. Decline in immunity to polio among young adults. *Vaccine* 2001;19:4162-4166.
14. **Grotto I**, Browner-Elhanan K, Mimouni D, Varsano I, Cohen A, Mimouni M. Occurrence of supernumerary nipples in children with kidney urinary tract malformations. *Pediatric Dermatol* 2001;18:291-294.
15. Mimouni D, **Grotto I**, Haviv Y, Gdalevich M, Huerta M, Shlberg O. Secular trends in the epidemiology of pediculosis catis and pubis among Israeli soldiers: a 27 years follow-up. *Int J Dermatol* 2001;40:637-639.
16. Sharabi Y, **Grotto I**, Huerta M, Eldad A, Green MS. Risk factor profile for atherosclerosis among young adults in Israel - results of a large-scale survey from the Young Adult Periodic Examinations in Israel (YAPEIS) database. *Eur J Epidemiol* 2001;17:757-764.
17. Gdalevich M, Robin G, Mimouni D, **Grotto I**, Shlberg O, Ashkenazi I. Measles antibody prevalence rates among young adults in Israel. *Am J Infect Control* 2002;30:165-169.
18. Gillis D, **Grotto I**, Mimouni D, Huerta M, Gdalevich M, Shlberg O. Adult infection with hepatitis A despite declining immunity; in favor of adult vaccination. *Vaccine* 2002;20:2243-2248.
19. Shara-Nahor O, **Grotto I**, Adler A, Mandel Y, Ashkenazi I, Block C. Anticapsular polysaccharide meningococcal antibodies Israeli military recruits: immune status and the effect of simultaneous administration of immune globulin on the response of immune globulin on the response to polysaccharide vaccine. *Vaccine* 2002;20:2851-2856.
20. Mimouni D, Ankol O, Gdalevich M, **Grotto I**, Davidovitch D, Zangvil E. Seasonality trends of Pediculosis catis and Phthirus pubis in a young adult population: Follow-up of 20 years. *J Eur academ dermatol venereol* 2002;16:257-259.
21. Weiser M, Noy S, Kaplan Z, Reichenberg A, Yazvitsky R, Nahon D, **Grotto I**, Knobler HY. Generalized cognitive impairment in male adolescents with schizotypal personality disorder. *Am J Med Genet B* 2003;116:S36-S40.
22. Sharabi Y, Scope A, Chorney N, **Grotto I**, Dagan Y. Diastolic blood pressure is the first to rise in association with early subclinical obstructive sleep apnea: Lessons from periodic examination screening. *Am J Hypertens* 2003;16:236-239.
23. **Grotto I**, Huerta M, Kark JD, Shlberg O, Meyerovitch J. Relation of parental history of coronary heart disease to obesity in young adults. *Int J Obesity* 2003;27:362-368.

24. **Grotto I**, Mimouni D, Gdalevich M, Mimouni M. Vitamin A supplementation and childhood morbidity from diarrhea and respiratory infections – a meta-analysis. *J Pediatrics* 2003;142:297-304.
25. Green MS, Anis E, Gandacu D, **Grotto I**. The fall and rise of gonorrhoea incidence in Israel: an international phenomenon? *Sexually Transmitted Infections* 2003;79:116-118.
26. Mimouni D, Ankole OE, Davidovitch N, Gdalevich M, Zangvil E, **Grotto I**^C. Seasonality Trends of Scabies in a Young Adult Population: A 20 Years Follow-up. *Brit J Dermatol* 2003;149:157-159.
27. **Grotto I**, Mimouni D, Huerta M, Mimouni M, Cohen D, Robin G, Tlik S, Green MS. Clinical and laboratory presentation of EBV-positive infectious mononucleosis in young adults. *Epidemiol Infect* 2003;131:683-689.
28. Wigler I, **Grotto I**, Cas D, Yaron M. The effects of Zintona EC (a Ginger extract) on symptomatic gonarthrosis. *Osteoarthritis Cartilage* 2003;11:783-789.
29. Mandel D, Zimlichman E, Mimouni FB, **Grotto I**, Kreiss Y. Height-related changes in body mass index: a reappraisal. *J Am Coll Nutr* 2004;23:51-54.
30. Neumark YD, **Grotto I**, Kark JD. Twenty-year trends in illicit drug use among young Israelis completing military duty. *Addiction* 2004;99:641-648.
31. Huerta M, **Grotto I**, Shemla S, Ashkenazi I, Shlberg O, Kark JD. Cycle Ergometry Estimation of Physical Fitness among Israeli Soldiers. *Mil Med* 2004;169:217-220.
32. Levi I, **Grotto I**, Yerushalmi R, Ben-Bassat I, Shlberg O. Meta analysis of autologous bone marrow transplantation vs. chemotherapy in adult patients with acute myeloid leukemia in first remission. *Leuk Res* 2004;28:605-612.
33. Sharabi Y, **Grotto I**, Huerta M, Grossman E. Susceptibility of the influence of weight on blood pressure in men versus women: lessons from a large scale study of young adults. *Am J Hypertens* 2004;17:404-408.
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39. Mandel D, Zimlichman E, **Grotto I**, Mimouni FB, Kreiss Y. Age at menarche and body mass index: a population study. *J Pediatr Endocrinol Metab* 2004;17:1507-1510.
40. **Grotto I**, Huerta M, Balicer RD, Halperin T, Cohen D, Orr N, Gdalevich M. An outbreak of norovirus gastroenteritis on an Israeli military base. *Infection* 2004;32:339-343.
41. Rosen Y, Yachelevich N, Benedek P, **Grotto I**, Goldberg A, Morad Y, Marom H, Ohana N, Bar-Dayana Y. No need to tax the sick: clinical guidelines for rofecoxib as an alternative effective method for co-payment policy in the advent in the advent of increasing pharmaceutical expenditures. *Mil Med* 2004;169:932-936.
42. Klement E, Wolf D, Zakay-Rones Z, Kayouf R, Yavzori M, Halperin T, Sela T, Ambar R, Boxman Y, Kagan N, Wasserzug O, Davidovitch N, Huerta M, Balicer R, **Grotto I**, Orr N. Outbreak surveillance of influenza in the IDF during winter 2003/4. *J Isr Mil Med* 2004;1:105-110.
43. Bar-Ze'ev Y, Balicer R, Davidovitch N, Klement E, Mimouni D, Huerta M, Green I, Bahar I, Klaz I, **Grotto I**. Cutaneous Leishmaniasis - a military disease or not? *J Isr Mil Med* 2004;1:111-114
44. Huerta M, Schwaber MJ, Davidovitch N, Balicer RD, Zelikovitch Y, Cohen D, **Grotto I**. Trends in Shigella outbreaks in the Israeli military. *Eur J Clin Microbiol Infect Dis* 2005;24:71-73.
45. Balicer D, Huerta MD, Levi Y, Varsano N, **Grotto I**. Influenza outbreak control in confined settings. *Emerg Infect Dis* 2005;11:579-583.

46. Bar Dayan Y, Elishkevits K, **Grotto I**, Goldstein L, Goldberg A, Shvarts S, Levin A, Ohana N, Onn E, Levi Y, Bar Dayan Y. The prevalence of obesity and associated morbidity among 17 years old Israeli conscripts. *Public Health* 2005;119:385-389.
47. Chodick G, Huerta M, Balicer RD, Davidovitch N, **Grotto I**. Secular trends in onset of menarche, smoking and oral contraceptive use among Israeli girls. *Prev Chronic Dis* [serial online]. 2005 Apr [15/1/2024]. Available from: URL: http://www.cdc.gov/pcd/issues/2005/apr/04_0063.htm.
48. Huerta M, Chodick G, Balicer RD, Davidovitch N, **Grotto I**. Reliability of Self-Reported Smoking History and Age at First garette. *Prevent med* 2005;41:646-650.
49. Zimlichman E, Kochba I, Mimouni FB, Shochat T, **Grotto I**, Kreiss Y, Mandel D. Smoking habits and obesity in young adults. *Addiction* 2005;100:1021-1025.
50. Balicer RD, Huerta M, Davidovitch N, **Grotto I**. Cost-benefit of stockling drugs for influenza pandemic. *Emerg Infects Dis* 2005;11:1281-1282.
51. Dayan YB, Levin A, Morad Y, **Grotto I**, Ben-David R, Goldberg A, Onn E, Avni I, Levi Y, Benyamini OG. The changing prevalence of myopia in young adults: a 13-year series of population-based prevalence surveys. *Invest Ophthalmol Vis S* 2005;46:2760-2765.
52. Merkel D, Huerta M, **Grotto I**, Blum D, Tal O, Rachmilewitz E, Fibach E, Epstein Y, Shlberg O. Prevalence of iron deficiency and anemia among strenuously trained adolescents. *J Adolesc Health* 2005;37:220-223.
53. Israeli E, **Grotto I**, Gilburd B, Balicer RD, Goldin E, Wiik A, Shoenfeld Y. Anti-Saccharomyces cerevae and antineutrophil cytoplasmic antibodies as predictors of inflammatory bowel disease. *Gut* 2005;54:1232-1236.
54. Schwaber MJ, **Grotto I**, Balicer RD, Davidovitch N, Zelikovitch Y, Huerta M. Infectious Diarrhea Outbreaks in the Israeli Military, 1988-2002. *Mil Med* 2005;170:634-637.
55. Halperin T, Yavzori M, Amitai A, Klement E, Kayouf R, **Grotto I**, Huerta M, Hadley LA, Monroe SS, Cohen D, Orr N. Molecular analysis of noroviruses involved in acute gastroenteritis outbreaks in military units in Israel, 1999-2000. *Eur J Microbiol Infect Dis* 2005;24:697-700. .
56. Huerta M, Balicer RD, Mimouni D, Goldberg A, Furman M, Klement E, Hourvitz A, **Grotto I**. Validity of self-assessment of skin reaction after smallpox vaccination. *Public Health Reports* 2006;121:45-50.

57. Sidi G, Davidovitch N, Balicer RD, Anis E, **Grotto I**, Schwartz E. The epidemiology of tick-borne relapsing fever in Israel. *Emerg Infect Dis* 2005;11:1784-6.
58. Lucey DR, Balicer RD, Everly GS, Omer SB, Steinhoff MC, **Grotto I**. A systematic analytic approach to pandemic influenza preparedness: an application of the Haddon matrix. *PLoS Med* 2005;2:e359.
59. Hadad E, rogovsky A, Bartal C, Gilad J, Am Yitzhaki BS, **Grotto I**, Balicer RD, Schwartz E. An outbreak of leptospirosis among Israeli troops near the Jordan River. *Am J Troc Med Hygien* 2006; 74:127–131.
60. Balicer RD, **Grotto I**, Huerta M, Leventhal A, Zach R, Yahalom V, Cohen D. Beveled needle technique is not associated with low "take" rates in Israeli smallpox revaccination campaign. *Hum Vacn* 2005;1:224-227.
61. Gam A, Goldstein L, Karmon Y, Mintser I, **Grotto I**, Guri A, Goldberg A, Ohana N, Onn E, Levi Y, Bar-Dayan Y. Comparison of stress fractures of male and female recruits during basic training in the Israeli anti-aircraft forces. *Mil Med* 2005;170:710-712.
62. Orr N, Klement E, Gillis D, Sela T, Kayouf R, Derazne E, **Grotto I**, Balicer R, Huerta M, Aviram L, Ambar R, Epstein Y, Heled Y, Cohen D. Long-term immunity in young adults after a single dose of inactivated Hepatitis A vaccines. *Vaccine* 2006;20:4328-4332.
63. Davidovic BB, **Grotto I**, Balicer RD, Robinson NJ, Cohen D. Decline in the Prevalence of Antibodies to Herpes Simplex Virus Types 1 and 2 among Israeli Young Adults between 1984 and 2002. *Sex Transmit Dis* 2006;33:641-645.
64. Sidi G, Davidovitch N, Balicer RD, Anis E, **Grotto I**, Schwartz E. Relapsing fever in Israel Defense Forces. *J Isr Mil Med* 2006;3:51-55..
65. **Grotto I**, Grossman E, Huerta M, Sharabi Y. Prevalence of prehypertension and associated cardiovascular risk profiles among young Israeli adults. *Hypertension* 2006;48:1-6.
66. Hasin T, Davidovitch N, Cohen R, Dagan T, Romem A, Orr N, Klement E, Lubezky N, Kayouf R, Sela T, Keller N, Derazne E, Halperin T, Yavzori M, **Grotto I**, Cohen D. Post exposure treatment with doxycycline for the prevention of relapsing fever. *New Engl J Med* 2006;355:148-155.
67. Huerta M, Davidovitch N, Aboudy Y, Ankol OE, Balicer RD, Zarka S, **Grotto I**. Declining population immunity to mumps among Israeli military recruits. *Vaccine* 2006;24:6300-6303.

68. Klement E, Talkington DF, Wasserzug O, Kayouf R, Davidovitch N, Dumke R, Bar-Zeev Y, Ron M, Boxman J, Thacker WL, Wolf D, Lazarovich T, Shemer-Avni Y, Glikman D, Jacobs E, **Grotto I**, Block C, Nir-Paz R. Identification of Risk Factors for Infection in an Outbreak of *Mycoplasma pneumoniae* Respiratory Tract Disease. *Clin Infect Dis* 2006;43:1239-1245.
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180. Harari-Kremer R, Calderon-Margalit R, Korevaar TIM, Nevo D, Broday D, Kloog I, **Grotto I**, Karakis I, Shtein A, Haim A, Raz R. The role of caloric intake in the association of high salt intake with high blood pressure. *Sci Rep* 2021;11:15803.
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184. Muhsen K, Maimon N, Mizrahi A, Varticovschi B, Bodenheimer O, Gelbshtein U, **Grotto I**, Cohen D, Dagan R. Effects of BNT162b2 Covid-19 Vaccine Booster in Long-Term Care Facilities in Israel. *N Engl J Med.* 2022;386:399-401
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- Genomic Epidemiology of Clinical *Brucella melitensis* Isolates from Southern Israel. *Microorganisms*. 2022;10:238.
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191. Shahar G, Ahronson-Daniel L, Greenberg D, Shalev H, Tendler A, **Grotto I**, Malone P, Davidovitch N. Anxiety in the face of the first wave of the spread of COVID-19 in Israel: Psychosocial determinants of a "Panic-to-complacency-continuum". *Soc Sci Med* 2023;317:115585
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Editorials and invited reviews and other reviews

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2. **Grotto I**, Mandel Y, Ephros M, Ashkenazi I, Shemer J. Major adverse reactions to yeast derived hepatitis B vaccine—a review. Vaccine 1998;16:329-334.
3. Haviv J, Huerta M, Shlberg O, Mimouni D, Ash N, **Grotto I**. Field treatment of snakebites in the Israel Defense Forces. Public Health Reviews 1998;26:247-256.
4. Balicer RD, Huerta M, **Grotto I**, Leventhal A. Israeli guidelines for investigation and management of SARS cases and their contacts. Harefuah 2003;142:572-578. .
5. Balicer RD, Huerta M, **Grotto I**. Vaccination policy in the IDF – past, present and future. Harefuah 2004;143:609-613.
6. Balicer RD, Huerta M, **Grotto I**. Tackling the next influenza pandemic (editorial). BMJ 2004;328:1391-1392. (12, 17.215, 4/155,).
7. Davidovitch N, Balicer RD, Rishpon S, **Grotto I**. "Balli and bullets": vaccination and military medicine from a historical prospective. J Isr Mil Med. 2004;1:133-138.
8. Balicer RD, Davidovitch N, Huerta M, Cohen D, **Grotto I**. Smallpox vaccination techniques: Considerations and unresolved issues. Harefuah 2005;144:51-56.
9. Fusman G, Balicer RD, Huerta M, Davidovitch N, Frimer R, Leventhal A, **Grotto I**. Antiviral prophylaxis following sexual exposure to HIV. Harefuah 2005;144:255-260.
10. Shahar DR, **Grotto I**. Mediterranean diet and longevity. Curr Nutr Food S 2006;4:337-342.
11. **Grotto I**, Huerta M, Sharabi Y. Hypertension and socioeconomic status. Curr On Cardiol 2008;23:335-339.
12. Klement E, Shgel N, Balicer RD, Baneth G, **Grotto I**, Davidovitch N. 'One Health', from sence to policy: examples from the Israeli experience. Veterinaria Italiana 2009;45:45-53.
13. Balicer RD, Israeli A, **Grotto I**. Swine flu – what is it all about? Harefua 2009;148:527-528.
14. **Grotto I**, Levine H, Balicer RD. Pandemic influenza vaccines: from the lab to ethical policy making. Harefua 2009;148:672-675.
15. **Grotto I**, Engelhard D. The safety and immunogenicity of the vaccines against pandemic (H1N1) 2009 influenza. Harefuah 2009;148:799-803.

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17. Stein-Zamir C, Zentner G, Tallen-Gozani E, **Grotto I**. The Israel national immunization registry. *Isr J Med Assoc* 2010;12: 296-300.
18. Israeli A, Keinan-Boker L, **Grotto I**, Green MS, Shohat T. National health index. *Harefuah*. 2010;149:202-3, 265.
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20. Cohen-Dar M, Di-Castro N, **Grotto I**. Pseudomonas folliculitis outbreaks associated with swimming pools or whirlpools, in two guest-room sites at the Northern region of Israel. *Harefuah*. 2012;151:381-387.
21. Berman T, Levine H, Gamzu R, **Grotto I**. Trends in Reproductive Health in Israel: Implications for Environmental Health Policy. *Isr J Health Policy Res*. 2012;1:34.
22. Kranzler Y, Davidovich N, Fleischman Y, **Grotto I**, Moran DS, Weinstein R. A health in all policies approach to promote active, healthy lifestyle in Israel. *Isr J Health Policy Res*. 2013;2:16.
23. Tulchinsky TH, Ramlawi A, Abdeen Z, **Grotto I**, Flahault A. Polio lessons 2013: Israel, the West Bank, and Gaza. *The Lancet* 2013;382:1611-1612.
24. Stahl Z, **Grotto I**, Moran D, Ginsberg A. Trance(s) – music and more. *Harefuah* 2013;152:737-741.
25. Rosenberg E, **Grotto I**, Dweck T, Horev T, Cohen M, Lev B. Healthy Israel 2020: Israel’s Blueprint for Health Promotion and Disease Prevention. *Public Health Reviews* 2014;35:1-18.
26. Berman T, Goldsmith R, Levine H, **Grotto I**. Human biomonitoring in Israel: Recent results and lessons learned. *Int J Hyg Environ Health* 2016;009:008.
27. Tasher D, Rubin L, Grossman Z, **Grotto I**, Dahan D, Berlowitz Y, Somekh E. Child Health Care in Israel. *J. Pediatr*. 2016;177S:S107-S115.
28. Barnett-Itzhaki Z, Berman T, **Grotto I**, Schwartzberg E. Household medical waste disposal policy in Israel. *Isr J Health Policy Res*. 2016; 5:48.

29. Moran-Gilad J, Kaliner E, Gdalevich M, **Grotto I**. Public health response to the silent reintroduction of wild poliovirus to Israel, 2013-2014. *Clin Microbiol Infect* 2016;22:S140-S145.
30. Chemtob D, Gandacu D, Mor Z, **Grotto I**, Anis E, Rosenberg E. A National Strategic Plan for Reducing the Burden of Sexually Transmitted Infections in Israel by the year 2025. *Israel. Isr J Health Policy Res* 2017;6:23.
31. Habib S, Rishpon S, **Grotto I**, Afek A. Influenza vaccination among healthcare workers – the data and the duty. *Harefuah*. 2017;156:4-7.
32. Deziel NC, Brokovich E, **Grotto I**, Clark CJ, Barnett-Itzhaki Z, Broday D, Agay-Shay K. Unconventional Oil and Gas Development and Health Outcomes: A Scoping Review of the Epidemiological Research. *Environ Res* 2020;182:109124.

Letters

1. **Grotto I**, Shemesh E, Mimouni M. Changes in air humidity and the incidence of acute laryngotracheitis. *Israel Medical Association Journal* 2002;4:315-316.
2. Levi I, **Grotto I**, Yerushalmi R, Ben-Bassat I, Shlberg O. Re: Consolidation therapy with autologous bone marrow transplantation in adults with acute myeloid leukemia: a meta-analysis. *Journal of National Cancer Institute* 2004;96:1038-1039.
3. Klement E, **Grotto I**, Srugo I, Orr N, Zangvil E, Gilad J, Cohen D. Pertussis in soldiers, Israel. *Emerging Infectious Diseases* 2005;11:506-508.
4. Belmaker I, **Grotto I**. Routine immunizations as a tool to reduce inequalities in health. *Harefuah* 2008;147:690.
5. Kopel E, Amitai Z, **Grotto I**, Kaliner E, Volovik I. Patients with pandemic (H1N1) 2009 in intensive care units, Israel. *Emerging Infectious Diseases*. 2010;16:720-721.
6. Kopel E, Amitai Z, **Grotto I**, Avramovich E, Kaliner E, Volovik I. Recurrent outbreak of pandemic (H1N1) 2009 virus infection in a pediatric long-term care facility and the adjacent school. *Clinical Infectious Diseases*. 2010;51:481-482.
7. Kopel E, Mandelboim M, Amitai Z, **Grotto I**, Hindiyeh M, Kaliner E, Mendelson E, Volovik I. Possible recurrent pandemic (H1N1) 2009 infection, Israel. *Emerging Infectious Diseases*. 2010;16:1321-1322.
8. Chemtob D, Mor Z, **Grotto I**. Comparison between pre and post-entry tuberculosis screening programs in migrants to low-incidence countries - the Israeli experience. *Lancet Infectious Diseases*. 2015;15:876. Siegler E, **Grotto I**. Who should be vaccinated against HPV? *BMJ* 2015;350:h2244.
9. Gdalevich M, **Grotto I**. The Bedouin predicament. *Lancet*, 2016;288:129.

Books and chapters in books

1. Weiser M, Knobler H, **Grotto I** and Davidson M. An hypothetical attempt to define the number needed to treat to delay the first hospitalization for schizophrenia. In: Preventive strategies for schizophrenic disorders. Perspectives, Opportunities and Limits. Alessandro Grisni (ed). Pages: 361-373. Giovanni Fioriti Editore srl, 2003.
2. Epstein L, **Grotto I**, Davidson Y, Donchin M, Hyman A, Volinski L, Horev T, Leventhal A, Levin D, Renart G, Simchan E, Sherf M. Health promotion, disease prevention and public health after the national health law. In: Ten Years to national health law, 1995-2005. Gabi Ben-Nun and Gur Ofer (eds). Pages: 439-461. The Israel National Institute for Health Policy and Health Services Research, 2006

Serafeim C. Chaintoutis

Curriculum Vitae

PERSONAL INFORMATION

Surname: Chaintoutis
First Name: Serafeim
Address: 6-8, Filellinon str., 551 33, Thessaloniki, GR
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Current position: Ministry of Rural Development and Food, Greece

2. STUDIES

1. **DVM**
School of Veterinary Medicine, Aristotle University of Thessaloniki (2011)
2. **MSc program in Infectious Diseases and International Medicine**
School of Medicine & School of Molec. Biol. and Genetics, Democritus University of Thrace (2021)
Thesis: SARS-CoV-2 infection in cats: laboratory investigation of virus transmission and humoral immune response in cats living with a COVID-19-affected owner
3. **PhD in Immunology, Microbiology, and Infectious Diseases of Animals**
School of Veterinary Medicine, Aristotle University of Thessaloniki (2019)
Thesis: West Nile virus: study of the evolutionary relationships of virus strains in Greece, evaluation of the cross-protection offered in horses by a vaccine and development of molecular and serological diagnostic assays
4. **Diplomate of the European College of Veterinary Microbiology (DipECVM)**
Speciality title: EBVS[®] European Specialist in Veterinary Microbiology (2022)

TRAINING

1. Laboratory of Microbiology and Infectious Diseases, School of Veterinary Medicine, Aristotle University of Thessaloniki (12 months, 2010-2011).
Skills: cell culture techniques, virus isolation, molecular techniques, virus, antigen and antibody detection and titration techniques.

2. Institute of Novel and Emerging Infectious Diseases (INNT), Friedrich-Loeffler-Institut (FLI), Germany.
Skills: Construction of viral infectious clones, primer design, molecular techniques, cell cultures, Western Blot, immunofluorescence, fast protein liquid chromatography
3. Laboratory of Immunology – A' Dept. of pediatrics. School of Medicine, Aristotle University of Thessaloniki (20 days, 2016).
Skills: Flow cytometry, immunofluorescence, nephelometry.

PREVIOUS EMPLOYMENT RESEARCH EXPERIENCE

1. Aristotle University Research Committee: participation in 15 projects (2011-22)
2. University of Thessaly Research Committee: Participation in 1 EU-funded project (2012-13)
3. Contracts as an instructor in the training programs entitled "Plant Production" (code 370) and "Animal Production" (code 344 and code 276), in the framework of the Act entitled: "Training Actions and Skills Development for young farmers and small agricultural holdings" (Hellenic Agricultural Organization "Demeter" 2017).
4. Contract for 8-months in the framework of the "Surveillance program for avian influenza in poultry and wild birds" (NRL for Avian Influenza. Directorate of Thessaloniki Veterinary Center, Ministry of Rural Development and Food, GR, 2018).
5. Contract as an instructor for training Turkish veterinarians (Pendik Veterinary Control Institute, 2021).
6. Expert for the European Commission (evaluation of the progress and deliverable of EU-funded actions & evaluation of research proposals submitted within the Maria Skłodowska-Curie actions; 7 times, 2020-22).
7. Expert for the Latvian Council of Science, Republic of Latvia (evaluation of research proposal, 2020).

TEACHING EXPERIENCE

Between the acad. years 2010-11 and 2017-18, I was involved in the organization and teaching of the following laboratory courses (theory and practical training) of the **School of Veterinary Medicine, AUTH** (Laboratory of Microbiology and Infectious Diseases, and Diagnostic Laboratory):

- General Bacteriology, Mycology, Virology. Immunology.
- Special Microbiology and Infectious Diseases.
- Infectious Diseases of major importance for Greece.
- Molecular Virology – Applications of Biotechnology in diagnosis of viral diseases and vaccine production
- Practical training in laboratory diagnostics (Clinic of Farm Animals)

After obtaining my PhD I taught autonomously the following courses (lectures and laboratory training):

- **Pharmacology**, School of Agriculture, University of Western Macedonia (core course of the “Animal production” study direction, 3rd semester of undergraduate studies) 4 h/week lectures and laboratory training (Acad. Year 2019-20).
- **Microbiology**, School of Public and Integrated Health, University of Thessaly (core course, 3rd semester of undergraduate studies) 5 h/week lectures and laboratory training (Acad. Year 2020-21)
- **General Microbiology** (core course, 3rd semester of undergraduate studies) and **Infectious Diseases and relevant Legislation I** (core course, 5th semester of undergraduate studies), School of Veterinary Medicine, University of Thessaly; 5 h/week lectures and laboratory training (Acad. Year 2020-21)
- **Special topics in Microbiology**, School of Biology, Aristotle University of Thessaloniki (core course of the “Molecular Biology, Genetics and Biotechnology” study direction, elective course of the “Environmental Biology” and “General” study directions, 6th semester of undergraduate studies) 3 h/week, lectures, and laboratory training (Acad. Year 2020-21)
- **Clinical Pathology - Laboratory diagnostics**, within the framework of the courses **Clinical training in Companion Animals I & II**, School of Veterinary Medicine, Aristotle University of Thessaloniki (core courses of the 8th and 10th semester of undergraduate studies) 3 h/week lectures and laboratory training (Acad. Year 2020-21).
- **General Microbiology** (core course, 4th semester of undergraduate studies), School of Agriculture, Plant Production and Rural Development, University of Thessaly; 4h/week lectures and laboratory training (Acad. Year 2021-22).

DISTINCTIONS AND SCHOLARSHIPS

1. Scholarship and award for the best grades during my undergraduate studies (2009, National Scholarships Foundation of Greece).
2. Reciprocal scholarship for participation in research and teaching activities of the School of Veterinary Medicine (2010, Dept. of Studies, AUTh).
3. Awarded the right to participate (and related expenses) for the representation of Greece and the School of Veterinary Medicine of AUTh. at the European Veterinary Week seminar (2010) in Brussels.
4. Award from the scientific committee of the 4th HCAVS Forum (2013) for the best announcement from the university (publication IV.6.)
5. Mobility scholarship for short-term training in laboratory techniques (2013, NSF Greece).
6. PhD excellence Scholarship (2013, Research Committee, AUTh).
7. Scholarship for PhD studies (2013-16, A.S. Onassis Public Benefit Foundation).

PUBLICATIONS

- Papers in international, peer-reviewed scientific journals: 45
- Abstracts in international, peer-reviewed scientific journals: 3
- Papers in online repositories: 5
- Abstracts in international conference proceedings: 26
- Abstracts in national conference proceedings: 19
- Books & Book chapters: 1 book & translation of 2 book chapters (of 1 book)
- Genomic sequences of microorganisms deposited in databases (GISAID, GenBank): 62

EDITOR IN INTERNATIONAL SCIENTIFIC JOURNALS

- Guest Editor in the special issue “State-of-the-Art Virus Research in Greece” of the Journal “Viruses”
- Editorial Board Member, section “Clinical Chemistry” of the Journal “Comparative Clinical Pathology”
- Review Editor, topic “Vet. Infectious Diseases” of the Journal “Frontiers in Veterinary Science”
- Academic Editor for the Journal “Transboundary and Emerging Diseases”

REVIEWER IN INTERNATIONAL SCIENTIFIC JOURNALS

70 reviews (2013-present) in 29 scientific journals, including BMC Microbiology, BMC Veterinary Research, Emerging Infectious Diseases, Epidemiology and Infection, Infection, Genetics and Evolution, Microbial Drug Resistance, PLoS Neglected Tropical Diseases, Spatial and Spatio-Temporal Epidemiology, Transboundary and Emerging Diseases, Veterinary Microbiology, Viral Immunology

LANGUAGES

Greek	Mother tongue
English	Excellent, Level C2, ECPE, The University of Michigan, 2006
German	Good, Goethe Zertifikat B1, ZD, Goethe-Institut, 2001
French	Basic (High school level)

IT KNOWLEDGE

ECDL Core Certificate – Syllabus version 4.0, European Computer Driving License Foundation (2008): Windows, MS Office and Internet, Expert user of bioinformatics and statistical analysis software.

CV

NAME: SOTIRIA VOURAKI

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EDUCATION

- 09/2009 – 07/2014: **Doctor of Veterinary Medicine (DVM)**
School of Veterinary Medicine, Faculty of Health Sciences, Aristotle University of Thessaloniki, Greece
Grade: **Honours (8.56)**
- 30/10/2015 – 21/07/2020: **PhD**
School of Veterinary Medicine, Faculty of Health Sciences, Aristotle University of Thessaloniki, Greece
Grade: **Honours**
PhD Thesis Title: Assessment of the production traits of goats resistant to classical scrapie.

TRAINING AND WORKSHOPS

- 12/05/2015 – 14/05/2015: Training School - **Non-destructive on-line technologies to determine quality of meat and meat products: functioning principles and chemometrics**
IRTA, Monells and Girona, Spain
- 06/11/2017 – 10/11/2017: Workshop - **Landscape Genomics**
Physalia-courses, Berlin, Germany
- 17/04/2018 – 18/04/2018: Training school - **Measurement methods to quantify ammonia and greenhouse gases emissions at different scales and with different aims**
Agroscope, Tanikon, Switzerland
- 04/2018 - 06/2018: Postgraduate studies – **Implementation of biotechnology in reproduction of farm animals**
School of Agriculture, Aristotle University of Thessaloniki, Greece
- 22/10/2018 – 26/10/2018: Workshop - **GENOME-WIDE SIGNATURES OF SELECTION AND ASSOCIATION STUDIES**
Physalia-courses, Berlin, Germany
- 11/2018 – 01/2019: Postgraduate studies - **Biostatistics – Research methodology – Presentation of scientific subjects**
School of Veterinary Medicine, Faculty of Health Sciences, Aristotle University of Thessaloniki, Greece
- 13/01/2020 – 14/01/2020: Training course - **Innovation to enhance the sustainability of sheep and goat production systems**
Thessaloniki, Greece
- 14/01/2020 – 15/01/2020: Workshop - **Innovations and policy initiatives to improve the sustainability of sheep and goat systems**
Thessaloniki, Greece
- 03/05/2022 – 28/06/2022: Training – **Biosecurity training of Biocheck.UGent**
Ghent University, Belgium

HONOURS AND AWARDS

- 01/10/2016 – 30/09/2019: **PhD Scholarship from Onassis Foundation** (G ZM 010-1/2016-2017, <http://www.onassis.org/>)
- 2015: **Best young scientist presentation**
Vouraki S., Theodoridis A., Kongsro J., Fortomaris P., Arsenos G., "The effect of breed, sex and degree of maturity of lambs on the ribeye area", FAIM IV Fourth Annual Conference on Body and Carcass Evaluation, Meat Quality, Software and Traceability, Edinburgh, United Kingdom, 22-23 September 2015

TEACHING EXPERIENCE

- 02/04/2022 – 27/05/2022: **Teacher by Contract (Postgraduate studies – master)**
Department of Agricultural, School of Geotechnical Sciences, International University of Greece
Subjects:
 1. Use of new technologies in animal production
 2. Modern farm animal reproduction technologies
- 17/03/2021 – Today: **Teacher by Contract (Academic Fellow, Undergraduate studies)**
Department of Agriculture, University of Ioannina, Greece
Subjects:
 1. Cattle production
 2. Genetic improvement
 3. Reproduction of farm animals
 4. Reproduction technologies of farm animals
 5. Pathology of farm animals (Practicals)
 6. Animal Husbandry (Practicals)
 7. Sheep production
- 14/05/2021 – 27/08/2021: **Teacher by Contract (PD407, Undergraduate studies)**
School of Veterinary Medicine, Faculty of Health Sciences, Aristotle University of Thessaloniki, Greece
Subjects:
 1. General animal husbandry
 2. Animal husbandry II

RESEARCH EXPERIENCE

1. 05/03/2015 – 26/11/2015: Researcher in the project – **“Development of methodology using best management practices for improving the functioning and efficiency of milking parlours”**
AUTH Research Committee, Thessaloniki, Greece
Position details: Recording of milking parlours and milking procedure in sheep and goat farms with the use of designated questionnaires. Implementation of management interventions.
2. 19/03/2015 – 30/06/2015: Researcher in the project – **“Development and assessment of equipment and construction issues for the sustainable sheep and goat production”**
AUTH Research Committee, Thessaloniki, Greece
3. 09-09-2015 - 30/09/2016: Researcher in the project – **“Assessment of management practices and providing veterinary support in sheep and goat farms”**
AUTH Research Committee, Thessaloniki, Greece

Position details: Recording of major farm problems and provision of technical support to farms which will be indicated.

4. 01/04/2016 – 30/09/2016: Researcher in the H2020 EU funded research project “**Innovation for sustainable sheep and goat production in Europe**” (iSAGE, <https://www.isage.eu/>)

AUTH Research Committee, Thessaloniki, Greece

Position details: D.1.1 – D1.2/ Sustainability and innovation assessment in sheep and goat farms (for WP: Holistic Sustainability Assessment). D2.1/ Sustainability and innovation assessment in sheep and goat farms (for WP: Socio-economics, demographics and consumer trends)

5. 01/09/2017 – 31/10/2017: Researcher in the H2020 EU funded research project “**Innovation for sustainable sheep and goat production in Europe**” (iSAGE, <https://www.isage.eu/>)

AUTH Research Committee, Thessaloniki, Greece

Position details: D2.2 – D2.3/ Questionnaires with farmers and consumers (for WP: Socio-economics, demographics and consumer trends)

6. 11/12/2019 – 29/02/2020: Researcher in the H2020 EU funded research project “**Innovation for sustainable sheep and goat production in Europe**” (iSAGE, <https://www.isage.eu/>)

AUTH Research Committee, Thessaloniki, Greece

Position details: Development of management tools and apps to help farmers make informed decisions, assessment of innovations in studied farms and identification of best practices to help the dairy sheep and goat sector.

7. 27/11/2019 – 31/12/2019: Researcher in the H2020 EU funded research project “**SMALL RuminanTs breeding for Efficiency and Resilience**” (SMARTER, <https://www.smarterproject.eu/>)

AUTH Research Committee, Thessaloniki, Greece

Position details: Collection of phenotypic data. Samplings in sheep farms (deliverable D4.1).

8. 01/03/2020 – 30/04/2020: Researcher in the H2020 EU funded research project “**SMALL RuminanTs breeding for Efficiency and Resilience**” (SMARTER, <https://www.smarterproject.eu/>)

AUTH Research Committee, Thessaloniki, Greece

Position details: Collection of phenotypic data. Samplings in sheep farms. Laboratory analyses and editing of phenotypic and genetic data (deliverable D4.1).

9. 16/09/2020 – 31/12/2020: Researcher in the H2020 EU funded research project “**SMALL RuminanTs breeding for Efficiency and Resilience**” (SMARTER, <https://www.smarterproject.eu/>)

AUTH Research Committee, Thessaloniki, Greece

Position details: Assessment of health and welfare traits from goat farms and analysis of existing data. Interviews with farmers (deliverables D2.1, D2.3, D7.1, D7.2) at the framework of WPs: “Balanced breeding goals for agroecological resilience, Novel resilience traits to improve health and welfare”.

10. 17/11/2020 – 31/05/2021: Researcher in the Interreg V-A project “**Fauna Assessment and management to safeguard Biodiversity in cross-border mountainous areas of Bulgaria and Greece: Innovative approaches to estimate monitor and protect biodiversity in local ecosystems**” (<https://bioinnovate.eu/>, INTERREG V-A “Greece-Bulgaria 2014-2020”)

AUTH Research Committee, Thessaloniki, Greece

Position details: Development of a leaflet and a booklet with results of the project which will be children friendly education material regarding biodiversity in the cross-border area of Bulgaria and Greece: Innovative practices for studying and protecting biodiversity in local ecosystems.

11. 17/12/2020 – 16/06/2021: Researcher in the project “**Legumes4Protein**” co-financed by the European Regional Development Fund of the European Union and Greek national funds through the Operational Program Competitiveness, Entrepreneurship and Innovation, under the call RESEARCH – CREATE – INNOVATE (<http://www.legumes4protein.gr/el/>).

AUTH Research Committee, Thessaloniki, Greece

Position details: Contribution in the nutritional experiment regarding the use of legumes in sheep nutrition (deliverables 5.18, 5.19).

12. 01/01/2021 – 31/10/2022: Researcher in the H2020 EU funded research project “**SMALL RuminanTs breeding for Efficiency and Resilience**” (SMARTER, <https://www.smarterproject.eu/>)

AUTH Research Committee, Thessaloniki, Greece

Position details: Collection of feed efficiency phenotypes and other economically important animal traits. Assessment of health and welfare traits from goat farms and analysis of existing data. Assessment of sheep grazing behaviour in semi-extensive flocks with the use of new technologies (GPS tracking). Interviews with farmers (deliverables D.1.1, D1.2, D1.4, D2.1, D2.3, D2.4, D7.1, D7.2) in the framework of WPs: Balanced breeding goals for agroecological resilience, Novel resilience traits to improve health and welfare, Novel traits to improve resource use efficiency.

13. 10/05/2021 – 30/11/2022: Researcher in the project " **Development of an integrated milk management system, using new technologies, for quality assurance and milk product traceability in the milk industry**" co-financed by the European Regional Development Fund of the European Union and National Funds through the operational program "Western Macedonia 2014-2020"

AUTH Research Committee, Thessaloniki, Greece

Position details: Data collection regarding farm characteristics with the use of questionnaires, assessment of animal health and welfare indicators, milk and feed samplings and input of data in a database. Contribution in the report for the sustainability of dairy sheep farms. Contribution in the making of a guide towards holistic sheep and goat farm management and production of high-quality milk (deliverables .1.2, 1.3, 4.1).

14. 14/04/2022 – 30/11/2022: Researcher in the project "**Mastin**" co-financed by the European Regional Development Fund of the European Union and Greek national funds through the Operational Program Competitiveness, Entrepreneurship and Innovation, under the call RESEARCH – CREATE – INNOVATE.

AUTH Research Committee, Thessaloniki, Greece

Position details: Assessment of animal health and welfare indicators and udder traits of sheep. Collection of biological samples from the ewes of the experimental flock, assessment of udder health and contribution in the laboratory analyses of the biological samples and feed samples. Data editing and preparation of reports and scientific publications (deliverable Π2.2).

LANGUAGES

- Mother tongue: Greek
- Foreign languages: English – Certificate of Proficiency in English (Grade A)

DIGITAL SKILLS

- Good command of WINDOWS/MICROSOFT OFFICE
- Good knowledge of R programming language

OTHER SKILLS

- Data analysis skills
- Use of R software and the Office Suite
- Organization and autonomy skills
- Participation in research projects and scientific publications record

PUBLICATIONS IN SCIENTIFIC JOURNALS

1. Filiouis G., Theodoridis A., Papadopoulos D., Gelasakis A.I., **Vouraki S.**, Bramis G., Arsenos G. (2017). Serological prevalence of *Coxiella burnetii* in dairy goats and ewes diagnosed with adverse pregnancy outcomes in Greece. *Annals of Agriculture and Environmental Medicine*.
2. **Vouraki S.**, Gelasakis A.I., Rose I.J., Arsenos G. (2018). Risk factors of teat-end hyperkeratosis and its association with udder health in dairy ewes. *Journal of Dairy Research* 85, 44-49. <https://doi.org/10.1017/S0022029917000887>
3. **Vouraki S.**, Gelasakis A.I., Alexandri P., Boukouvala E., Ekateriniadou L.V., Banos G., Arsenos G. (2018). Genetic profile of scrapie codons 146, 211 and 222 in the *PRNP* gene locus in three breeds of dairy goats. *PLoS ONE* 13(6): e0198819. <https://doi.org/10.1371/journal.pone.0198819>.
4. **Vouraki S.**, Gelasakis A.I., Ekateriniadou L.V., Banos G., Arsenos G. (2019). Impact of polymorphisms at the *PRNP* locus on the performance of dairy goats reared under low-input pastoral farming systems. *Small Ruminant Research* 174, 77-82. <https://doi.org/10.1016/j.smallrumres.2019.03.014>.
5. **Vouraki S.**, Skourtis I., Psychos K., Jones W., Davis C., Johnson M., Riaguas Ruperez L., Theodoridis A., Arsenos G. (2020). A decision support system for economically sustainable sheep and goat farming. *Animals* 10(12), 2421 <https://doi.org/10.3390/ani10122421>.
6. Theodoridis A., **Vouraki S.**, Morin E., Riaguas Ruperez L., Davis C., Arsenos, G. (2021). Efficiency Analysis as a tool for revealing best practices and innovations: The case of the sheep meat sector in Europe. *Animals* 11, 3242 <https://doi.org/10.3390/ani11113242>.
7. **Vouraki S.**, Gelasakis A.I., Papanikolopoulou V., Papadopoulos E., Arsenos G. (2022). Association of hard ticks (Ixodidae) infestation with milk production and udder health of extensively reared dairy goats. *Animals* 12(3):354. <https://doi.org/10.3390/ani12030354>.
8. **Vouraki S.**, Gelasakis A. I., Fotiadou, V., Banos, G., Arsenos, G. (2022). Repeatability of Health and Welfare Traits and Correlation with Performance Traits in Dairy Goats Reared under Low-Input Farming Systems. *Veterinary sciences*, 9(6), 289. <https://doi.org/10.3390/vetsci9060289>
9. Argyriadou A., Tsiotsos A., Stylianaki I., **Vouraki S.**, Kallitsis T., Economou V., Arsenos, G. (2022). A Comprehensive Study of the Quality of Fat-Tailed Sheep Carcasses in Greece. *Animals*, 12(15), 1998. <https://doi.org/10.3390/ani12151998>
10. Priskas S., Valergakis G., Tsakmakidis I., **Vouraki S.**, Papanikolopoulou V., Theodoridis A., Arsenos G. (2022). The role of housing conditions on the success of artificial insemination in intensively reared dairy ewes in Greece. *Animals* 12(19), 2693. <https://doi.org/10.3390/ani12192693>
11. Skaperda Z., Kyriazis I.D., Tekos F., Alvanou M.V., Nechalioti P-M., Makri S., Argyriadou A., **Vouraki S.**, Kallitsis T., Koutri M., Valasi I., Arsenos G., Kouretas D. (2022). Determination of redox status in different tissues of lambs and kids and their in-between relationship. *Antioxidants* 11, 2065. <https://doi.org/10.3390/antiox11102065>
12. Theodoridis A., **Vouraki S.**, Morin E., Koutouzidou G., Arsenos G. (2022). Efficiency analysis and identification of best practices and innovations in dairy sheep farming. *Sustainability* 14, 13949. <https://doi.org/10.3390/su142113949>.

PUBLICATIONS IN INTERNATIONAL CONFERENCES

1. **Vouraki S.**, Theodoridis A., Kongsro J., Fortomaris P., Arsenos G. (2015). The effect of breed, sex and degree of maturity of lambs on the ribeye area. In: C. Maltin, C. Craigie and L. Bunger, *Farm Animal Imaging A Summary Report*. Paper presented at the proceedings of FAIM IV Fourth Annual Conference on Body and Carcass Evaluation, Meat Quality, Software and Traceability, Edinburgh, United Kingdom, 22-23 September (pp 40-45), Edinburgh, United Kingdom: European Cooperation in Science and Technology.
2. **Vouraki S.**, Skourtis Y., Psychos D., Rose G., Arsenos G. (2017). Happy Goats - A decision Support Web App for Sustainable Small Ruminant Farming. Paper presented at the proceedings of the 8th International Conference on

Information and Communication Technologies in Agriculture, Food and Environment (HAICTA 2017), Chania, Crete Island, Greece, 21-24 September, 2017 (pp 642-651), <http://ceur-ws.org/Vol-2030/>.

3. Arsenos G., **Vouraki S.**, Ragkos A., Theodoridis A. (2021). Trends and challenges for sustainable development of sheep and goat systems. Paper presented at the proceedings of the International e-workshop Workshop "Pastoralism and Sustainable Development", Valenzano, Bari, 14-15 July, 2021 (pp 13-33).

PUBLICATIONS IN NATIONAL CONFERENCES

1. **Vouraki S.**, Theodoridis A., Kongsro J., Fortomaris P., Arsenos G. (2015). The effect of breed, sex and degree of maturity of lambs on the ribeye area. In: S.B. Ramantanis, Hellenic Congress: meat & products thereof "From stable to table" Proceedings. Paper presented at the proceedings of the Hellenic Congress: meat & products thereof "From stable to table", Thessaloniki, Greece, 27,28 February - 1 March (148-153), Thessaloniki, Greece: ELGO Demetra, Greek Ministry of Agricultural Development and Foods

BOOK CHAPTERS

1. Arsenos G., Argyriadou A., **Vouraki S.**, Gelasakis A.I. (2019). Organic sheep and goat farming: opportunities and challenges. In M. Vaarst & S. Roderick (Eds.), *Improving organic animal farming*. <http://dx.doi.org/10.19103/AS.2017.0028.17>.

PRESENTATIONS IN INTERNATIONAL CONFERENCES

1. **Vouraki S.**, Theodoridis A., Kongsro J., Fortomaris P., Valergakis G.E., Arsenos G., "The effect of breed, sex and degree of maturity of lambs on the ribeye area", FAIM IV Fourth Annual Conference on Body and Carcass Evaluation, Meat Quality, Software and Traceability, Edinburgh, United Kingdom, 22-23 September 2015

2. Termatzidou S.A., **Vouraki S.**, Kazana P., Gelasakis A., Valergakis G.E. Arsenos G., "Association of milking parlours and milking procedures with subclinical mastitis in dairy sheep", BSAS Annual Conference, 2016, Chester, United Kingdom, 6-7 April 2016

3. **Vouraki S.**, Termatzidou S.A, Kazana P., Gelasakis A.I., Valergakis G.E., Arsenos G., "Teat-end hyperkeratosis in dairy ewes and its predisposing factors", BSAS Annual Conference, 2016, Chester, United Kingdom, 6-7 April 2016

4. Termatzidou S.A., **Vouraki S.**, Kazana P., Gelasakis A., Valergakis G.E. Arsenos G., "Association of milking parlours and milking procedures with subclinical mastitis in dairy sheep" (poster), 29th World Buiatrics Congress 2016, Dublin, Ireland, 3-7 July 2016.

5. **Vouraki S.**, Termatzidou S.A., Kazana P., Gelasakis A.I., Managos M., Valergakis G.E., Arsenos G., "Teat-end hyperkeratosis in dairy ewes and its predisposing factors" (poster), 29th World Buiatrics Congress 2016, Dublin, Ireland, 3-7 July 2016.

6. **Vouraki S.**, Skourtis Y., Psychos D., Rose G., Arsenos G. "HappyGoats - A decision support web app for sustainable small ruminant farming", 8th International Conference on Information and Communication Technologies in Agriculture, Food and Environment (HAICTA 2017), Chania (Crete Island), Greece, 21-24 September 2017

7. **Vouraki S.**, Gelasakis A.I., Alexandri P., Boukouvala E., Ekateriniadou L.V., Banos G., Arsenos G. "Profile of PRNP gene in 3 dairy goat breeds and association with milk production and udder health", 69th Annual Meeting of the European Federation of Animal Science (EAAP 2018), Dubrovnik, Croatia, 27-31 August 2018

8. **Vouraki S.**, Argyriadou A., Bartzanas Th., Papanastasiou D., Arsenos G. "Effect of ammonia levels on milk yield and composition of intensively reared dairy ewes", 4th Livage Meeting "Towards precision livestock husbandry and its potential to mitigate ammonia and GHG emissions", Galilee, Israel, 17-21 February 2019

9. Siachos N., Kougioumtzis A., Soufleri E., **Vouraki S.**, Gauthier M., Arsenos G. "Effect of a live yeast strain of *Saccharomyces cerevisiae* supplementation on growth, carcass yield and meat quality of finishing feedlot cattle", BSAS Annual Conference, 2019, Edinburgh, United Kingdom, 9-11 April 2019

10. **Vouraki S.**, Gelasakis A.I., Giannakou R., Papadopoulos E., Arsenos G. "Impact of hard ticks (*Ixodidae*) infestation on milk production and udder health of dairy goats in low-input pastoral farming systems in Greece", Annual ECSHRM Conference, Warsaw, Poland, 11 May 2019
11. Martin-Collado D., **Vouraki S.**, Rubio A., Serrano M., Argyriadou A., Tsartsianidou V., Triantafyllidis A., Arsenos G., Diaz C. "Factors influencing sheep farmer attitudes towards breeding tools across Mediterranean breeds". 1st Joint Meeting, FAO-CIHEAM Networks on Sheep and Goats and on Mediterranean Pastures, Meknès, Morocco, 23-25 October 2019
12. **Vouraki S.**, Jones W., Davies C., Riaguas Ruperez L., Skourtis Y., Psychos K., Theodoridis A., Arsenos G. "A decision support system for sustainable meat sheep production". BSAS Annual Conference, 2020, Nottingham, United Kingdom, 30 March - 1 April 2020
13. Tsartsianidou V., Pavlidis A., **Vouraki S.**, Arsenos G., Triantafyllidis A. "Genome-wide association study of fertility traits in dairy sheep". Hbioinfo bridge 2020-2021 (Hellenic Bioinformatics), Virtual event, 4 June 2021 (προς δημοσίευση).
14. Arsenos G., **Vouraki S.**, Ragkos A., Theodoridis A. "Trends and challenges for sustainable development of sheep and goat systems". International e-workshop "Pastoralism and Sustainable Development", Valenzano, Bari, 14-15 July 2021.
15. **Vouraki S.**, Gelasakis A.I., Fotiadou V., Banos G., Arsenos G. "Repeatability of udder health and welfare traits of semi-extensively reared dairy goats in Greece", 72nd Annual Meeting of the European Federation of Animal Science (EAAP 2021), Davos, Switzerland, 30 August – 3 September 2021.
16. Papanikolopoulou V., Gelasakis A.I., Papadopoulos E., **Vouraki S.**, Soufleri A., Arsenos G. "The impact of internal parasitism on milk production and udder health of dairy goats in low-input pastoral farming systems", BSAS Annual Conference, 2022, Nottingham, United Kingdom, 12-14 April 2022.
17. **Vouraki S.**, Papanikolopoulou V., Siachos N., Fotiadou V., Arsenos G. "Association of milk composition traits as indicators of feed efficiency in Chios dairy ewes", 73rd Annual Meeting of the European Federation of Animal Science (EAAP 2022), Porto, Portugal, 5-9 September 2022.
18. Argyriadou A., Tsitsos A., Stylianaki I., **Vouraki S.**, Kallitsis T., Economou V., Arsenos G. "Comparative study of fat-tailed and thin-tailed sheep carcass quality", 73rd Annual Meeting of the European Federation of Animal Science (EAAP 2022), Porto, Portugal, 5-9 September 2022.
19. **Vouraki S.**, Papanikolopoulou V., Abraham E.M., Parissi Z., Arsenos G. "Legumes grains as alternative to soybean in the diet of dairy ewes", 10th International Conference on ICT in Agriculture, Food & Environment (HAICTA 2022), Athens, Greece 22-25 September 2022.

PRESENTATIONS IN NATIONAL CONFERENCES

1. **Vouraki S.**, Bramis G., Theodoridis A., Fortomaris P., Arsenos G., "The effect of breed, sex and degree of maturity of lambs on the ribeye area". Panhellenic Conference: Meat and its Products, 2015, Thessaloniki 27-28 February & 1 March 2015
2. **Vouraki S.**, Teratzidou S., Gelasakis A., Panos T., Kazana P., Arsenos G., Valergakis G.E. "Assessment of milking parlours and milking procedures in dairy sheep flocks", 30rd Annual Conference of Hellenic Society of Animal Production, Giannitsa, 14-16 October 2015
3. **Vouraki S.**, Gelasakis A., Termatzidou S., Kazana P., Panos T., Arsenos G., Valergakis G.E., "Assessment of teat-end hyperkeratosis and subclinical mastitis in dairy sheep flocks", 30rd Annual Conference of Hellenic Society of Animal Production, Giannitsa, 14-16 October 2015
4. **Vouraki S.**, Arsenos G., Valergakis G.E., "Assessment of milking parlours and milking procedures in dairy cow flocks", 30rd Annual Conference of Hellenic Society of Animal Production, Giannitsa, 14-16 October 2015

5. **Vouraki S.**, Gelasakis A.I., Termatzidou S.A., Kazana P., Managos M., Valergakis G.E., Arsenos G. "The role of milking parlour on udder health of dairy ewes", 6th Pan-Hellenic Congress in Technology of Animal Production, Thessaloniki, 3 February 2017
6. Termatzidou S.A., **Vouraki S.**, Kazana P., Gelasakis A.I., Managos M., Valergakis G.E., Arsenos G. "Critical control points of dairy sheep milking parlours: recent study results", 6th Pan-Hellenic Congress in Technology of Animal Production, Thessaloniki, 3 February 2017
7. Kazana P., **Vouraki S.**, Termatzidou S.A., Gelasakis A.I., Managos M., Valergakis G.E., Arsenos G. "Milking parlours and milkers efficiency in dairy sheep farms in Greece", 6th Pan-Hellenic Congress in Technology of Animal Production, Thessaloniki, 3 February 2017
8. Soufleri A., **Vouraki S.**, Arsenos G., Valergakis G.E. "Assessment of milking parlours and milking procedures in dairy cows", 6th Pan-Hellenic Congress in Technology of Animal Production, Thessaloniki, 3 February 2017
9. **Vouraki S.**, Gelasakis A.I., Boukouvala E., Ekateriniadou L., Banos G., Fortomaris P.D., Arsenos G. "Genotypic frequencies of scrapie resistance codons in the Greek goat population", 4th Panhellenic Veterinary Congress on Farm Animals & Food Hygiene, Volos, 12-14 May 2017
10. **Vouraki S.**, Gelasakis A.I., Rose G., Termatzidou S., Kazana P., Valergakis G.E., Arsenos G. "Effect of teat-end hyperkeratosis on udder health of dairy ewes", 4th Panhellenic Veterinary Congress on Farm Animals & Food Hygiene, Volos, 12-14 May 2017
11. Arsenos G., **Vouraki S.**, Rose I., Psychos D., Skourtis Y. "Happy Goats: Decision support web app for sustainable small ruminant production", 4th Panhellenic Veterinary Congress on Farm Animals & Food Hygiene, Volos, 12-14 May 2017
12. **Vouraki S.**, Gelasakis A.I., Boukouvala E., Ekateriniadou L., Banos G., Arsenos G. "Association of PRNP gene with milk production and udder health in three dairy goat breeds", 14th Panhellenic Veterinary Congress, Thessaloniki, 11-13 May 2018
13. Gelasakis A.I., Argyriadou A., **Vouraki S.**, Giannakou R., Arsenos G. "Development of a statistical model to estimate udder health in low-input dairy goat herds", 14th Panhellenic Veterinary Congress, Thessaloniki, 11-13 May 2018
14. **Vouraki S.**, Gelasakis A.I., Ekateriniadou L., Banos G., Arsenos G. "Genetic comparison of PRNP gene profile among three dairy goat breeds reared in Greece", 7th Pan-Hellenic Congress in Technology of Animal Production, Thessaloniki, 1 February 2019
15. **Vouraki S.**, Gelasakis A.I., Giannakou R., Papadopoulos E., Arsenos G. "Impact of hard ticks infestation on milk production and udder health of dairy goats in Greece", 34th Annual Conference of Hellenic Society of Animal Production, Volos, 2-4 October 2019
16. Argyriadou A., **Vouraki S.**, Bartzanas Th., Papanastasiou D., Arsenos G. "Effect of ammonia levels on milk yield and composition of intensively reared dairy ewes", 34th Annual Conference of Hellenic Society of Animal Production, Volos, 2-4 October 2019
17. **Vouraki S.**, Siachos N., Papanikolopoulou V., Arsenos G. "Assessment of the use of legume grains in the diet of intensively reared dairy ewes", 35th Annual Conference of Hellenic Society of Animal Production, Athens, 6-7 November 2021 (under publication).
18. Papanikolopoulou V., Gelasakis A.I., Papadopoulos E., Soufleri A., **Vouraki S.**, Arsenos G. "The impact of internal parasitism on milk production and udder health of semi-extensively reared dairy goats", 35th Annual Conference of Hellenic Society of Animal Production, Athens, 6-7 November 2021 (under publication).
19. **Vouraki S.**, Gelasakis A.I., Fotiadou V., Banos G., Arsenos G. "Repeatability of health and welfare traits and correlation with milk production traits in dairy goats reared in low-input farming systems", 15th Panhellenic Veterinary Congress, Athens, 4-6 November 2022.

20. **Vouraki S.**, Papanikolopoulou V., Argyriadou A., Priskas S., Fotiadou V., Tsartsianidou V., Triantafyllidis A., Arsenos G. "Grazing behaviour of semi-extensively reared Boutsko sheep and association with climatic parameters", 15th Panhellenic Veterinary Congress, Athens, 4-6 November 2022.
21. Papanikolopoulou V., **Vouraki S.**, Priskas S., Arsenos G. "Health and welfare assessment of ewes in dairy sheep farms", 15th Panhellenic Veterinary Congress, Athens, 4-6 November 2022.
22. Papanikolopoulou V., **Vouraki S.**, Priskas S., Arsenos G. "Economic performance of dairy sheep farms in Western Macedonia", 15th Panhellenic Veterinary Congress, Athens, 4-6 November 2022.
23. Priskas S., Valergakis G., Tsakmakidis I., **Vouraki S.**, Papanikolopoulou V., Theodoridis A., Arsenos G. "The role of housing conditions on the success rates of artificial insemination in intensively reared dairy ewes in Greece", 15th Panhellenic Veterinary Congress, Athens, 4-6 November 2022.
24. Chantzis N., Priskas S., **Vouraki S.**, Papanikolopoulou V., Arsenos G. "The role of milk recording in holistic management of dairy sheep flocks", 15th Panhellenic Veterinary Congress, Athens, 4-6 November 2022.
25. Bakogiorgos G., **Vouraki S.**, Arsenos G., Pantera A. "Interactions between predators and livestock in semi-extensive systems: The case of Evritania regions", 15th Panhellenic Veterinary Congress, Athens, 4-6 November 2022.

PARTICIPATION IN INTERNATIONAL SCIENTIFIC CONFERENCES – SEMINARS

1. **Dairy livestock production in Southern Europe workshop**, Thessaloniki, Greece (10/09/2015 – 11/09/2015)
2. **FAIM IV Fourth Annual Conference, Edinburgh**, United Kingdom (22/09/2015 – 23/09/2015)
3. **BSAS Annual Meeting 2016**, Chester, United Kingdom (06/04/2016 – 07/04/2016)
4. **29th World Buiatrics Congress 2016**, Dublin, Ireland (03/07/2016 -07/07/2016)
5. **HAICTA 2017**, Chania (Crete Island), Greece (21/09/2017 – 24/09/2017)
6. **69th Annual Meeting of the European Federation of Animal Science**, Dubrovnik, Croatia (27/08/2018 – 31/08/2018)
7. **4th Livage Meeting "Towards precision livestock husbandry and its potential to mitigate ammonia and GHG emissions"**, Galilee, Israel, (17/02/2019-21/02/2019)
7. **Annual ECSRHM Conference**, Warsaw, Poland (11/05/2019)
8. **72nd Annual Meeting of the European Federation of Animal Science**, Davos, Switzerland, (30/08/2021 – 03/09/2021)
9. **73rd Annual Meeting of the European Federation of Animal Science**, Porto, Portugal, (05/09/2022 – 09/09/2022)
10. **10th International Conference on ICT in Agriculture, Food & Environment (HAICTA 2022)**, Athens, Greece (22/09/2022 – 25/09/2022)

PARTICIPATION IN NATIONAL SCIENTIFIC CONFERENCES – SEMINARS

1. **2nd Panhellenic Conference of Food Producing Animals - Hygiene and Safety of Food of Animal Origin - Consumer Protection**, Thessaloniki (18/03/2011 – 20/03/2011)
2. Scientific Event "**The Science of Laboratory Animals and the Role of the Veterinarian**", School of Veterinary Medicine, Aristotle University of Thessaloniki (29/03/2012)
3. Meeting: "**New technologies for a Viable Agriculture**", Skydra (11/2012)
5. Multi-topic meeting of **IVSA Thessaloniki and IVSA Thessaly during the 4th FORUM Companion Animal Medicine**, Thessaloniki, (01/03/2013)

6. **1st Panhellenic Conference of Veterinary Students**, Thessaloniki (18/05/2013 – 19/05/2013)
7. **10th Panhellenic Conference of Companion Animal Medicine**, Athens (01/11/2013 – 03/11/2013)
8. **2ⁿ Panhellenic Conference of Veterinary Students**, Karditsa (10/05/2014 – 11/05/2014)
9. **Panhellenic Conference: Meat and its Products**, 2015, Thessaloniki (27/02/2015 -01/03/2015)
10. **4th Panhellenic Veterinary Congress on Farm Animals & Food Hygiene**, Volos (12/05/2017 – 14/05/2017)
11. **14th Panhellenic Veterinary Congress**, Thessaloniki (11/05/2018 -13/05/2018)
12. **7th Pan-Hellenic Congress in Technology of Animal Production**, Thessaloniki (01/02/2019)
13. **35th Annual Conference of Hellenic Society of Animal Production**, Athens (06/11/2021 – 07/11/2021)