



## Section 4

# **VETERINARY MEDICINE**

## SCIENTIFIC COMMITTEE OF VETERINARY MEDICINE SECTION

- Larry ADAMS - Purdue University College of Veterinary Medicine, Indiana, USA
- Sarah BAILLIE - Bristol Veterinary School, University of Bristol, UK
- Stelian BĂRĂITĂREANU - Faculty of Veterinary Medicine, USAMV of Bucharest, Romania
- Cinzia BENAZZI - Veterinary Medical Sciences, University of Bologna, Italy
- Laurentiu BENGA -Veterinary Laboratory of the Central Unit for Animal Research and Welfare Affairs, University Hospital, Heinrich Heine University Dusseldorf, Germany
- Cornel CĂTOI - Faculty of Veterinary Medicine, USAMV of Cluj-Napoca, Romania
- Emilia CIOBOTARU-PÎRVU - Faculty of Veterinary Medicine, USAMV of Bucharest, Romania
- Iuliana CODREANU - Faculty of Veterinary Medicine, USAMV of Bucharest, Romania
- Mario CODREANU - Faculty of Veterinary Medicine, USAMV of Bucharest, Romania
- Cristin COMAN - “Cantacuzino” National Institute for Medical-Military Research and Development, Romania
- Doina DANEȘ - Faculty of Veterinary Medicine, USAMV of Bucharest, Romania
- Nicodim FIT - Faculty of Veterinary Medicine, USAMV of Cluj-Napoca, Romania
- Claudio GENCHI - Dep. of Veterinary Sciences and Public Health, University of Milan, Italy
- Viorel HERMAN - Faculty of Veterinary Medicine, USV from Timisoara, Romania
- Anja KIPAR - Institute of Veterinary Pathology, Vetsuisse Faculty Zurich, University of Zurich, Switzerland
- Mihai MAREȘ - Faculty of Veterinary Medicine, USV of Iasi, Romania
- Liviu Dan MIRON - Faculty of Veterinary Medicine, USV of Iasi, Romania
- Dumitru MILITARU - Academy of Agricultural and Forestry Sciences “Gheorghe Ionescu-Șișești”, Bucharest, Romania
- Manuella MILITARU - Faculty of Veterinary Medicine, USAMV of Bucharest, Romania
- Sorin MORARIU - Faculty of Veterinary Medicine, USV from Timisoara, Romania
- Florin MUSELIN - Faculty of Veterinary Medicine, USV from Timisoara, Romania
- Domenico OTRANTO - Università degli Studi di Bari Aldo Moro, Italy
- Gheorghe SAVUȚA - Faculty of Veterinary Medicine, USV of Iasi, Romania
- Gheorghe SOLCAN - Faculty of Veterinary Medicine, USV of Iasi, Romania
- Marina SPÎNU - Faculty of Veterinary Medicine, USAMV of Cluj-Napoca, Romania
- Dana TĂPĂLOAGĂ - Faculty of Veterinary Medicine, USAMV of Bucharest, Romania
- Constantin VLĂGIOIU - Faculty of Veterinary Medicine, USAMV of Bucharest, Romania

## ORGANIZING COMMITTEE OF VETERINARY MEDICINE SECTION

- Iuliana IONAȘCU
- Gheorghe Valentin GORAN
- Laurențiu TUDOR
- Gabriel GĂJĂILĂ
- Nicoleta CIOCÎRLIE
- Dana TĂPĂLOAGĂ
- Stelian BĂRĂITĂREANU
- Niculae TUDOR
- Petronela Mihaela ROȘU
- Ionuț Răzvan DOBRE

## **SECTION 4 – VETERINARY MEDICINE**

*Veterinary Medicine Section Chairman:*  
*Assoc. Professor Dr. Iuliana IONAȘCU*

*Veterinary Medicine Section Raporteur:*  
*Professor Dr. Emilia CIOBOTARU-PÎRVU*

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**Venue:**

**University of Agronomic Sciences and Veterinary Medicine of Bucharest**  
**Faculty of Veterinary Medicine of Bucharest**

**E-mail:** [agricultureforlife@usamv.ro](mailto:agricultureforlife@usamv.ro)

**Web:** <https://agricultureforlife.usamv.ro>

<i>Activity</i>	<i>Venue</i>
<b><i>Arrival and Registration of participants</i></b>	<i>Building 17, Ground Floor, Main Hallway - in front of "Aurel Popoviciu" Aula</i>
<b><i>Plenary session presentations</i></b>	<i>Building 17, Ground Floor, "Aurel Popoviciu" Aula</i>
<b><i>Oral paper presentations:</i></b> - Session: <i>Fundamental Sciences</i> - Session: <i>Clinical Sciences</i> - Session: <i>Animal Production, Public Health and Food Quality Control</i> - Session: <i>Experimental Medicine</i> - Session: <i>Miscellaneous</i>	<i>Building 17, Ground Floor, "Aurel Popoviciu" Aula</i>
<b><i>Oral paper presentations</i></b> - Session: <i>Fundamental Sciences</i> - Session: <i>Clinical Sciences</i> - Session: <i>Animal Production, Public Health and Food Quality Control</i> - Session: <i>Experimental Medicine</i> - Session: <i>Miscellaneous</i>	<i>Building 17, Ground Floor, "Aurel Popoviciu" Aula</i>
<b><i>Poster display</i></b>	<i>Building 17, Preclinical Sciences - Main Hallway &amp; "Aurel Popoviciu" Aula</i>

## PROGRAMME

Venue: *Faculty of Veterinary Medicine of Bucharest,  
105 Splaiul Independentei, District 5, Bucharest*

### Thursday, 6<sup>th</sup> of June, 2024

- 14:00 – 14:30     **Registration of participants**  
*Building 17, Ground Floor, Main Hallway – in front of “Aurel Popoviciu” Aula*
- 14:30 – 14:45     **Official Opening of the Conference Section 4**  
*Building 17, Preclinical Sciences - “Aurel Popoviciu” Aula*
- 14:45 – 16:00     **Plenary Session Presentations**  
*Building 17, Preclinical Sciences - “Aurel Popoviciu” Aula*
- 16:00 – 16:30     **Coffee break**  
*Building 17, Ground Floor, Main Hallway – in front of “Aurel Popoviciu” Aula*
- 16:30 – 17:00     **Posters session 1: Viewing & Discussions**  
*Building 17, Preclinical Sciences - Main Hallway & “Aurel Popoviciu” Aula*
- 19:00 – 21:30     **Official Gala Dinner – Cultural Event (Ceres Restaurant)**

### Friday, 7<sup>th</sup> of June, 2024

- 08:00 – 09:00     **Registration of participants**  
*Building 17, Ground Floor, Main Hallway – in front of “Aurel Popoviciu” Aula*
- 09:00 – 11:00     **Oral paper presentation: Session 1**  
*Building 17, Preclinical Sciences - “Aurel Popoviciu” Aula*
- 11:00 – 11:30     **Coffee break**  
*Building 17, Ground Floor, Main Hallway – in front of “Aurel Popoviciu” Aula*
- 11:30 – 13:30     **Oral paper presentation: Session 2**  
*Building 17, Preclinical Sciences - “Aurel Popoviciu” Aula*
- 13:30 – 14:30     **Lunch**  
*Building 2, Inner courtyard*
- 14:30 – 15:00     **Posters session 2: Viewing & Discussions**  
*Building 17, Preclinical Sciences - Main Hallway & “Aurel Popoviciu” Aula*
- 15:00 – 15:30     **Final discussions and conclusions; Closing Ceremony**  
*Building 17, Preclinical Sciences - “Aurel Popoviciu” Aula*

**DETAILED PROGRAMME**  
**Day 1, Thursday, 6<sup>th</sup> of June, 2024**

*Building 17, Ground Floor, "Aurel Popoviciu" Aula*

**Time: 14:30 – 16:00**

**Session Moderators:**     *Assoc. Professor Iuliana IONAȘCU, PhD*  
   *Assoc. Professor Gheorghe GORAN, PhD*

<b>Time</b>	<b>Authors</b>	<b>Paper Title</b>
14:30 – 14:45	<i>Conference Section Opening</i>	<i>Opening words, messages from guests</i>
14:45 – 15:05	<b>Jakab SZILARD</b>	<i>A Veterinarian's Tale – from Practitioner to Educator</i>
15:05 – 15:20	<b>Dinu GAVOJDIAN,</b> <b>Mădălina MINCU,</b> <b>Ioana NICOLAE</b>	<i>Artificial intelligence approaches to evaluate individuality in cattle based on vocal emissions</i>
15:25 – 15:45	<b>Laurențiu TUDOR</b>	<i>Clinical guidelines in the pathology of pet chelonians</i>
15:45 – 16:00	<i>Discussions</i>	
<b>16:00 – 16:30</b>	<i>Coffee break</i>	
16:30 – 17:00	<i>Posters session 1: Viewing &amp; Discussions</i>	
19:00 – 21:30	<i>Official Gala Dimer – Cultural Event (Ceres Restaurant)</i>	

## POSTER SESSION 1

Building 17, Preclinical Sciences - Main Hallway & "Aurel Popoviciu" Aula

FUNDAMENTAL SCIENCES

CLINICAL SCIENCES

ANIMAL PRODUCTION, PUBLIC HEALTH AND FOOD QUALITY CONTROL

VETERINARY EDUCATION

EXPERIMENTAL MEDICINE

MISCELLANEOUS

**Time: 16:30 – 17.00**

**Session Moderators:** *Professor Iuliana CODREANU, PhD*  
*Assoc. Professor Corina PREDESCU, PhD*

No.	Authors	Paper Title
1.	Marian GHIȚĂ, Răzvan DOBRE, Simona NICOLAE, Adrian RĂDUȚĂ, Ioana Nicole REU, Iuliana CODREANU	RESEARCH ON THE VALUES OF SOME ELECTROCARDIOGRAPHIC PARAMETERS IN DOGS, ACCORDING TO BREED
2.	Marius-Mihai BĂDULESCU, Alexandru Gabriel NEAGU, Raluca Mihaela TURBATU, Ruxandra Georgiana PAVEL, Niculae TUDOR, Constantin VLĂGIOIU	MAGNETIC RESONANCE IMAGING OF INTERVERTEBRAL DISC DISEASE ON CERVICAL SPINE IN DOGS – 12 CASES
3.	Vlad-Traian LUPU, Niculae TUDOR, Constantin VLĂGIOIU	CLINICAL AND ULTRASONOGRAPHIC FINDINGS IN GALLBLADDER MUCOCELE IN DOGS
4.	Cătălin MICȘA, Maria Roxana TURCU, Florin POSASTIUC, Tiberiu CONSTANTIN, Dorin ȚOGOE, Alexandru DIACONESCU	ENDOSCOPIC TRANSCERVICAL INSEMINATION: A METHOD FOR SUCCESSFUL CANINE ARTIFICIAL INSEMINATION
5.	Ionuț Răzvan DOBRE, Marian GHIȚĂ, Andrei MARMANDIU	CLINICAL APPROACH AND EFFECTIVENESS OF THERAPY WITH SOME ANTIULCER DRUGS IN DIGESTIVE DISEASES IN DOGS

No.	Authors	Paper Title
6.	Ioana ENE, Ruxandra COSTEA, Ruxandra PAVEL, Ovidiu ROȘU, Mario Darius CODREANU	REMOTE CHEMICAL IMMOBILIZATION AND ANESTHESIA FOR ORCHIDECTOMY IN A PLAINS ZEBRA ( <i>EQUUS QUAGGA</i> )
7.	Radena NENOVA, Stanimir ENCHEV, Pencho PENCHEV, Yordanka YORDANOVA, Desislava IVANOVA, Galina NIKOLOVA, Yanka KARAMALAKOVA, Matthias SCHREINER	OXIDATIVE STRESS IN ASSOCIATION WITH MANY PATHOPHYSIOLOGICAL CONDITIONS AND THE ROLE OF THE NATURAL ANTIOXIDANTS IN LIVESTOCK. A REVIEW
8.	Fabiola IONIȚĂ, Cristin COMAN, Mario Darius CODREANU	MICE MODELS IN METABOLIC SYNDROME RESEARCH – A REVIEW
9.	Adrian RĂDUȚĂ, Oana Diana MIHAI, Simona NICOLAE, Ioana Nicole REU	RESEARCH ON INFLAMMATORY ANEMIA INDUCED BY CORTICOSTEROIDS
10.	Raluca Elena TIU, George Laurențiu NICOLAE, Adina Mihaela PÎRVU, Ana Alexandra DOBRIN, Emilia CIOBOTARU-PÎRVU	<i>DIROFILARIA IMMITIS</i> INFESTATION IN A CAT FROM ROMANIA: FIRST NECROPSY REPORT



**DETAILED PROGRAMME**  
**Day 2, Friday, 7<sup>th</sup> of June, 2024**

**ORAL PAPER PRESENTATIONS**

*Building 17, Ground Floor, "Aurel Popoviciu" Aula*

**SESSION 1**

FUNDAMENTAL SCIENCES

CLINICAL SCIENCES

ANIMAL PRODUCTION, PUBLIC HEALTH AND FOOD QUALITY CONTROL

VETERINARY EDUCATION

EXPERIMENTAL MEDICINE

**Time: 09:00 – 11:00**

*Session Moderators:      Professor Doina DANEȘ, PhD*  
*Professor Antonello BUFALARI, PhD*

Time	Authors	Paper Title
09:00 – 09:10	Sorina-Andreea MIHAI, Adela Ioana MUSTĂȚEA, Ioan CIOAREC-LUPAN, Gabriel PREDOI	STUDY ON THE MORPHO-TOPOGRAPHY AND VASCULARIZATION OF THE PAROTID GLAND IN SMALL RUMINANTS
09:10 – 09:20	Gheorghe-Valentin GORAN, Emanuela BADEA, Cristina ȚOCA, Camille BELLI	DOGS' HAIR AND TISSUES AS BIOINDICATORS FOR THE ASSESSMENT OF HEAVY METALS POLLUTION
09:20 – 09:30	Alice-Mihaela RĂDULESCU, Elena-Teodora VULCAN, Lucian IONIȚĂ	ACUTE CONGESTIVE HEART FAILURE SECONDARY TO TRANSIENT MYOCARDIAL THICKENING IN A CAT: CASE REPORT
09:30 – 09:40	Alexandru Gabriel NEAGU, Raluca Mihaela TURBATU, Mihai Marius BADULESCU, Cristina FERNOAGA, Niculae TUDOR, Constantin VLAGIOIU	CLINICAL, NEUROLOGICAL AND MAGNETIC RESONANCE ASPECTS IN MYELOMALACIA IN DOGS – 10 CASES

<b>Time</b>	<b>Authors</b>	<b>Paper Title</b>
09:40 – 09:50	Petronela MUNTEANU, Ilaria PORCELLATO, Elisabetta MANUALI, Eleonora CALZONI, Chiara MARINI, Leonardo LEONARDI	COMPARATIVE DESCRIPTION OF HUMAN AND CANINE EXTRASKELETAL OSTEOSARCOMA (EOS): A PRELIMINARY IMMUNOHISTOCHEMICAL INVESTIGATION
09:50 – 10:00	Dalma PIVARIU, Daniela NEAGU, Octavia Maria TAMAS-KRUMPE, Petrica NEDELEA, Nechita-Adrian OROS, Andras-Laszlo NAGY	HEPATIC AND RENAL IMPAIRMENT IN ANTICOAGULANT RODENTICIDE POISONING
10:00 – 10:10	Dalma PIVARIU, Sabrina ARDELEAN, Nechita-Adrian OROS, Mircea MIRCEAN, Melania Ioana CRISAN	HEMATOLOGICAL AND BIOCHEMICAL INVESTIGATIONS IN CASE OF ACETAMINOPHEN ADMINISTRATION IN HORSES
10:10 – 10:20	Antonello BUFALARI	MESH-ENHANCED SUTURES: A NOVEL APPROACH FOR TREATING COMPLETE ACHILLES TENDON RUPTURE IN DOGS
10:20 – 10:30	Alina ȘTEFĂNESCU, Cristian Ionuț FLOREA, Crina Alexandra BOANCA, Andrei RĂDULESCU, Alexandru Bogdan VIȚĂLARU	PERITONEOPERICARDIAL DIAPHRAGMATIC HERNIA IN A MINIATURE SCHNAUZER: CASE REPORT
10:30 – 10:40	Cristian Ionuț FLOREA, Crina Alexandra BOANCA, Andrei RĂDULESCU, Alina ȘTEFĂNESCU, Alexandru Bogdan VIȚĂLARU	ALFAXALONE SEDATION FOR CENTRAL VENOUS CATHETERIZATION IN A DOG UNDERGOING HEMODIALYSIS: CASE REPORT
10:40 – 10:50	Georgeta ȘTEFAN	DYNAMICS OF POST-VACCINATION ANTIBODIES AGAINST CANINE PARVOVIRUS IN DOGS
10:50 – 11:00	Ionuț Florian PARASCHIVESCU, Andreea Ștefania PARASCHIVESCU, Doina DANEȘ	THE USE OF EXTERNAL FIXATORS FOR THE REPAIR OF SEVERELY COMMINUTED BILATERAL FEMORAL FRACTURES IN A FELINE PATIENT – SINGLE CASE STUDY
11:00 – 11:30	<i>Coffee break</i>	

# ORAL PAPER PRESENTATIONS

Building 17, Ground Floor, "Aurel Popoviciu" Aula

## SESSION 2

FUNDAMENTAL SCIENCES

CLINICAL SCIENCES

ANIMAL PRODUCTION, PUBLIC HEALTH AND FOOD QUALITY CONTROL

VETERINARY EDUCATION

EXPERIMENTAL MEDICINE

**Time: 11:30 – 13:30**

**Session Moderators:** *Professor Emilia CIOBOTARU-PÂRVU, PhD*  
*CS I Cristin COMAN, PhD*

Time	Authors	Paper Title
11:30 – 11:40	Petronela Mihaela ROȘU, Bogdan GEORGESCU, Cristian BELU, Valerica DANACU, Sorina Andreea MIHAL, Adela Ioana MUSTĂȚEA	MORPHOLOGICAL PARTICULARITIES OF THE JACKAL SKULL ( <i>CANIS AUREUS</i> ) - CASE STUDY
11:40 – 11:50	Simona NICOLAE, Iuliana CODREANU	ETHOLOGICAL STUDY REGARDING THE DIPSIC BEHAVIOUR CHANGES DURING THE GESTATION PERIOD IN DOMESTIC CATS
11:50 – 12:00	Emanuela BADEA, Gheorghe Valentin GORAN, Cristina ȚOCA, Miruna CARLAN	ASSESSMENT OF HEAVY METALS AND TRACE ELEMENTS IN HAIR SAMPLES FROM CATS WITH GASTROINTESTINAL LYMPHOMA
12:00 – 12:10	Crina-Alexandra BOANCA, Cristian Ionuț FLOREA, Andrei RĂDULESCU, Alina ȘTEFĂNESCU, Bogdan Alexandru VIȚĂLARU	HYDRONEPHROSIS, DIABETES AND FELINE UROLOGIC SYNDROME IN A MIXED BREED TOMCAT: CASE REPORT
12:10 – 12:20	Andrei RĂDULESCU, Cristian Ionuț FLOREA, Crina Alexandra BOANCĂ, Alina ȘTEFANESCU, Alexandru Bogdan VIȚĂLARU	P-WAVE VARIATIONS IN CENTRAL VENOUS CATHETERIZATION IN A CANINE PATIENT UNDERGOING HEMODIALYSIS: CASE REPORT
12:20 – 12:30	Madalina BELOUS	ASSESSMENT OF THE SPOILAGE MICROFLORA IN POULTRY AND CARCASSES CONDEMNATION

Time	Authors	Paper Title
12:30 – 12:40	Adela Ioana MUSTĂȚEA, Sorina Andreea MIHAI, Petronela Mihaela ROȘU, Manuella MILITARU, Emilia CIOBOTARU-PÎRVU	ASSESSING COMMUNICATION WITHIN COMPANION ANIMAL PRACTICES: VETERINARIAN VS. PET OWNER
12:40 – 12:50	Cristin COMAN, Diana-Larisa ANCUȚA, Fabiola - Margareta IONIȚĂ, Ioana Violeta CARACOTI, Costin CARACOTI, Andrei Alexandru MUNTEAN, Mircea Ioan POPA	DEVELOPMENT OF A MURINE MODEL OF NEUROBORRELIOSIS INDUCED BY HUMAN <i>BORRELLIA</i> STRAIN
12:50 – 13:00	Cristina CĂȘARU, Anca BULGARU, Elena NEGRU, Mihai DANEȘ, Doina DANEȘ	ANTIBACTERIAL EFFECT OF ESSENTIAL OILS AGAINST BACTERIAL STRAINS ISOLATED FROM COWS WITH MASTITIS
13:00 – 13:10	Maria-Mihaela IFROSE, Emilia CIOBOTARU-PÎRVU	DIFFERENTIATION OF FELINE INTESTINAL T-CELL LYMPHOMA FROM INFLAMMATORY BOWEL DISEASE BY POLYMERASE CHAIN REACTION FOR ANTIGEN RECEPTOR REARRANGEMENT (PARR)
13:10 – 13:20	Imran AHMED, Hamza Bin AHMAD	EFFECTIVE CONTROL AND PREVENTION OF DENGUE ( <i>Aedes</i> <i>Aegypti</i> ) VECTOR FROM <i>Citrullus colocynthis</i> , <i>Datura</i> <i>stramonium</i> AND <i>Azadirachta</i> <i>indica</i> PLANT EXTRACTS THROUGH
13:20 – 13:30	Michael OKE	AN OVERVIEW OF THE FISH ISSUES FACING GWAGWALADA'S FISH FARMERS AND TRADERS NIGERIA'S ABUJA
13:30 – 14:30	<b>Lunch</b>	<i>Building 2, Inner courtyard</i>

## POSTER SESSION 2

Building 17, Preclinical Sciences - Main Hallway & "Aurel Popoviciu" Aula

FUNDAMENTAL SCIENCES

CLINICAL SCIENCES

ANIMAL PRODUCTION, PUBLIC HEALTH AND FOOD QUALITY CONTROL

VETERINARY EDUCATION

EXPERIMENTAL MEDICINE

MISCELLANEOUS

**Time: 14:30 – 15:00**

**Session Moderators:** *Professor Gabriel COTOR, PhD*  
*Assoc. Professor Nicoleta CIOCÎRLIE, PhD*

No.	Authors	Paper Title
1.	Madalina Claudia CIOARIC (DEGENARO)	CHARACTERIZATION OF THE METABOLIC RESPONSE OF LOHMANN BROWN LAYERS TO FEEDING DIETS WITH DIFFERENT PROTEIN LEVELS
2.	Ralitsa RANKOVA, Gergana BALIEVA	DISTRIBUTION AND PREVALENCE OF BRUCellosIS OUTBREAKS IN EUROPE IN THE PERIOD 2002-2022
3.	Madalina Claudia CIOARIC (DEGENARO)	EFFECTS OF PRE-LAY DIETARY PROTEIN LEVELS AND ENERGY ON SUBSEQUENT PERFORMANCES IN LOHMANN BROWN LAYERS
4.	Mariana CARAMAN	THE CURATIVE EFFICIENCY OF THE COMPLEX BIOLOGICALLY ACTIVE MICROBIAL PREPARATION IN AVIAN CLOSTRIDIOSIS
5.	Bogdan Alexandru VIȚĂLARU, Cristian Ionuț FLOREA, Crina Alexandra BOANCA, Andrei RĂDULESCU, Alina ȘTEFĂNESCU	SURGICAL APPROACH OF RENAL CALCULI IN A MIXED BREED FEMALE DOG: CASE REPORT
6.	Anca Maria ZISOPOL, Ioan Liviu MITREA, Mariana IONIȚĂ	EPIDEMIOLOGY OF COMMON HELMINTH INFECTIONS IN DOMESTIC CARNIVORES: A SYSTEMATIC REVIEW ON THE ASSOCIATED RISK FACTORS

No.	Authors	Paper Title
7.	Adrian MIHAI, Nicoleta Andreea MINCĂ, Bogdan Alexandru TASBAC, Carmen IONIȚĂ, Roxana Mariana IGNĂTESCU, Daniela BRĂSLAȘU, Letiția PURDOIU, Lucian IONIȚĂ	CLINICAL AND BACTERIOLOGICAL STUDY REGARDING A DEEP CHRONIC GOAT'S DERMATITIS
8.	Crina ANDREI, Nicolae Tiberiu CONSTANTIN, Florin Petrișor POSASTIUC, Alexandru DIACONESCU, Mariana IONIȚĂ, Ioan Liviu MITREA	CONSEQUENCES OF NEOSPOROSIS ON EMBRYO TRANSFER IN BUFFALOES: REVIEW
9.	Leonardo LEONARDI, Diletta CHIATTELLI, Alice Cartoni MANCINELLI	EVALUATION OF CALCIUM, PHOSPHORUS AND CHOLECALCIFEROL INTAKE, PRODUCTIVE PERFORMANCE, EGG QUALITY AND KEEL BONE DAMAGE WITHIN LAYING HENS REARED IN FREE-RANGE AND BARN SYSTEMS
10.	Cătălin MICȘA, Maria Roxana TURCU, Dorin ȚOGOE	ADVANCEMENTS IN LAPAROSCOPIC SURGERY FOR VETERINARY MEDICINE: ESSENTIAL INSTRUMENTS AND PROCEDURES