

11th Symposium on Wild Fauna

Università degli Studi della Tuscia – Viterbo, Italy
Auditorium, via Santa Maria in Gradi, September 25-28, 2019

Program

Wednesday, September 25th

Registration: 17:00-18:00

Thursday, September 26th

Registration: 08:00-10:00

**09:00-19:00 - WAVES pre-conference technical tour - Meeting point 08:45 Auditorium
Castelporziano Presidential Estate, Rome**

*Wild and domestic ungulates management in a protected area with Natura 2000 sites.
A peculiar example of biodiversity conservation of a Mediterranean area.*

Link to the site <https://goo.gl/maps/1AdUiJYEhiJ2>

20:00 Free dinner

Friday, September 27th

Registration: 09:00-12:00

09:00-09:30 - Welcome address by Authorities and official opening

WILDLIFE MANAGEMENT, CONSERVATION AND GAME

09:30-10:00 Main lecture 1st

Chairperson: Dr Ariane Bernard-Laurent (FR) and Prof. Andrea Amici (IT)

Recent advances on Rock partridge conservation and biology

Bernard-Laurent Ariane (France)

Office National de la Chasse et de la Faune Sauvage – Paris, France, Centre nationaux d'études et de recherches appliquées. Unité Petite Faune Sédentaire

10:00-11:00 Oral communications

Morphological plasticity of captive rock partridges (*Alectoris graeca graeca*) searching exportable criteria for sex determination

Viola P., Ruberto C., Lazzari F., Primi R., Amici A.

Recent advances on Grey partridge (*Perdix perdix*) genetic

Lucentini L., Pizzirani C., Gabbianelli F.

Recent advances on Rock partridge (*Alectoris graeca graeca*) genetic

Pizzirani C., Gabbianelli F., Lucentini L.

Status of rock partridge (*Alectoris graeca graeca*) in Sibillini Mountains national Park: an update

Amici A., Esposito E., Rossetti A., Viola P., Morandi F., Girotti P., Bifulco C.

11:00-11:30 Coffee break

11:30-11:50 Main lecture 2nd

Chairperson: Ing. Jesus Palacios Alberti (ES) and Prof. Laura Rinaldi (IT)

Monitoring Eurasian woodcock in Lazio Region with pointing dogs: a scientific program

Andrea Amici (Italy), Viola P., Primi R., Girotti P., Rossi C.M.

Department of Agricultural and Forest Sciences - University of Tuscia – Viterbo, Italy

Observatory for the study and management of wildlife resources.

11:50-13:00 Oral communications

Preliminary ecological Niche Factor Analysis for the diurnal rest of Eurasian woodcock (*Scolopax rusticola*) during wintering phase

Tiberi C., Viola P., Rossi C.M

Handbook on Eurasian woodcock (*Scolopax rusticola*) monitoring and data recording (In Italian – book presentation).

Primi R.

Monitoring Eurasian woodcock (*Scolopax rusticola*) in Lazio Region: a video for teaching and extension (In Italian - Video)

Daniela Scancelli; OFFICINA77 FilmMaker

13:00-14:30 Light lunch and poster session

14:30-15:30 Miscellaneous communications

Chairperson: Prof. Oliviero Olivieri (IT), Prof. Leonardo Meomartino (IT) and Dr. Riccardo Primi (IT)

Settlement sharing by crested porcupines, badgers and red foxes

Coppola F., Vecchio G., Scarselli D., Felicioli A.

An update on the foraging ecology of *Testudo hermanni* in Italy

Manganelli E., Olivieri O., Corti C., Biaggini M., Cecchi L., Deli G., Giontella A., Vieceli L., Trabalza-Marinucci M.

Research on the presence and fluctuation of the species mainly captured at the MonITRing station of Ripasottile from 2015 to 2017

Rampini E., Sterpi L., Sterpi M.

FLOTAC for copromicroscopic diagnosis in reptiles

Capasso M., Ianniello D., Cringoli G., Rinaldi L

Follicular and oocyte population in relation to pregnancy status in African buffalo (*Syncerus caffer*).

Lyne K.Y., Kosior M., Piscopo F., Salerno F., Van Leuween M., Gasparrini B., Esposito L., Esposito G.

Reflexion about current challenges in wildlife welfare

Venâncio C., Vieira-Pinto M.

15:30-16:00 Main lecture 3rd

Chairperson: Prof. Martin Tomko (SK) and prof. Ludovico Dipineto (IT)

Ungulate management in Europe: a world-wide problem

Roberta Chirichella (Italy), Apollonio M.

Department of Science of Nature and Environmental Resources - University of Sassari, Italy

Ungulates ecology.

16:00-17:00 Oral communications

Using camera trapping to estimate wild ungulates density in Amiata Mountain, Central Italy

Amici A., Viola P., Girotti P., Lazzari F., Serafini D., Venanzi R., Latterini F., Picchio R.

Wild boar abundance distribution patterns as affected by the refuge effect

Viola P. Girotti P., Primi R., Rossi C.M., Amici A.

Spatial overlap of wild and domestic herbivory in dry mountain grassland of Central Apennine, Italy

Orazi V., Palli J., Chaboteaux E., Collepardi I., Rossi C.M., Primi R.,

Preliminary study on the presence of wild boar (*Sus scrofa*) and wolf (*Canis lupus*) in a peri-urban area with the camera-trapping's method.

Serafini D., Lazzari F. Girotti P. Viola P.

17:00-17:30 Coffee break**17:30-18:00 Main lecture 4rd**

Chairperson: Prof. Aurora Monzon (PT) and prof. Monica Isabella Cutrimeatgnelli (IT)

Game management in protected areas: the case of Castilla y León (Spain)

José Ángel Arranz Sanz (Spain)

Junta de Castilla y León Patrimonio Natural y Política Forestal, Director General de Medio Natural Castilla y León

18:00-19:00 Oral communications

Property rights patterns of wild large herbivores management in Europe

Bouriaud L., Coletta A.

Reproduction and socialization of a litter of wolves in the Iberian Wolf Center of Castilla y León (Robledo –Zamora - Spain)

Palacios J., Yanes T., Sanz C., Yanes T. Jr., Martín S., Marqués E., Merino J., Santos P.

Estimation of nutritional requirements of wolf (*Canis lupus* L.) living in Monti Aurunci Park

Vastolo A., Calabrò S., Piscopo N., Esposito L., Cutrignelli M.I.

Study of Wolf's Diet in the Baixo Sabor Basin (Portugal): Conservation Implications

Lemos S., LLaneza L., Pereira A., Carneiro C., Monzón A.

19:00-19:30 Poster Session**19:00-19:30 WAVES International Directory Council (only Delegates)****21:00-24:00 Pizza Dinner and Folk music**

Saturday, September 28th

Registration: 09:00-11:00

08:30-09:00 - International agreements and the future collaborative projects

Prof. Luigi Esposito, University Federico II of Naples (Italy), Coordinator of International agreement

Prof. Jana Mojžišová, Rector of University of Veterinary Medicine and Pharmacy in Košice (Slovak Republic)
Coordinator of International agreement

Prof. Vicente Gonzales Eguren, University of León (Spain), Coordinator of International agreement

Prof. Maria Madalena Vieira Pinto, University of Trás-os-Montes e Alto Douro, Vila Real (Portugal),
Coordinator of International agreement

Prof. Gaetano Oliva, Director of the Department of Veterinary Medicine and Animal Production - Federico II,
University of Naples (Italy)

VETERINARY SCIENCE AND DISEASES

09:00-09:30 Main lecture 1st

Chairperson: prof. Ladislav Molnar (SK) and prof. Alessandro Fioretti (IT)

The ecological drivers of avian influenza outbreaks in Europe

Mazzetto Eva (Italy) and Terregino C.

National Reference Centre for Avian Influenza and Newcastle Disease, European Union Reference Laboratory for Avian Influenza and Newcastle Disease, FAO Reference Centre for Animal Influenza and Newcastle Disease, Istituto Zooprofilattico Sperimentale delle Venezie

09:30-11:00 Oral communications

Tuberculosis in wild boar (*Sus scrofa*) in Calabria Region (Southern Italy)

Ragusa M., Castagna F., La Tessa D., Marzano D., Esposito L., Britti D., Roncada P.

Preliminary results on the study of field isolates detected between 2017-2019 of canine distemper virus circulating in wild animals of the Regions Latium and Tuscany, Italy

Marcario G. A., Cersini A., Ricci I., Pietrella G., Conti R., Viola M. R., Caciolo D., Brocherel G., Scicluna M. T.

Circulation of Hepatitis E virus in wild boar population in Central Italy

De Sabato L., Ostanello F., De Grossi L., Vaccari G., Marcario A., Franzetti B., Ianiro G., Barone A., Martini E., Monini M., Di Bartolo I.

Influence of the drought in the wild boar Tuberculosis-like lesions incidence: a pilot-study in Idanha-a-Nova (Portugal)

Abrantes AC., Serejo J., Vieira-Pinto M.

Leishmaniasis in Iberian wolves (*Canis lupus signatus*) in Northwest Spain

Merino Goyenechea L. J., Castilla Gómez V., Martínez Valladares M., Rafael Balaña Fouce, Martín Ferrero S., Tiberi C.

11:00-11:30 Coffee break

11:30-12:00 Main lecture 2nd

Chairperson: prof. Tomas Yanes Garcia (ES) and prof. Nicoletta Murru (IT)

Meat-borne parasites in wild boar

Vieira Pinto Maria Madalena (Portugal)

Departamento de Ciências Veterinárias UTAD, Vice-Diretora Centro de Investigação em Ciência Animal e Veterinária (CECAV) da UTAD, Presidente WAVES – Portugal (2008-2015) e da WAVES Internacional (2015 – 2017), Vogal do Conselho Regional Norte da Ordem dos Médicos Veterinários

12:00-13:00 Oral communications

Taenia hydatigena cysticercosis in wild boars (*Sus scrofa*) from southern Italy: epidemiological survey

Veneziano G., Sgroi G., Varcasia A., D'Alessio N., Neola B., Varuzza P., Pacifico L., Buono F., Argenio F., Toscano V., Fioretti A.

Applying epidemiological concepts to infectious diseases management in wildlife

Carvajal Urueña A., Gonzalo-Orden J.M., González-Eguren V., Argüello H.,

Epidemiological and molecular survey on cystic echinococcosis in wild boars (*Sus scrofa*) from southern Italy

Sgroi G., Veneziano V., Varcasia A., D'Alessio N., Santoro M., Fusco G., Tamponi C., Saarma U., Varuzza P., Caputo V., Sarnelli P., Fioretti A.

Epidemiological and molecular survey on *Toxoplasma gondii* in wild boars from Campania region (southern Italy)

Buono F., Viscardi M., Sgroi G., Boccia F., D'Alessio N., Santoro M., Esposito C., Cardillo L., Ruffano D., Fusco G., Veneziano V.

Implementation of wild boar hunting: zoonosis associated with its use as food

Yanes García T., Merino Goyenechea L.J.

Distemper in otter (Lutra lutra), a case report

Merino-Goyenechea L.J., Martín-Ferrero S., Fernández M., Espinosa J., Pérez V., Ferreras M.C.

13:00-14:30 Light lunch and poster session**14:30-15:00 Main lecture 3rd**

Chairperson: prof. Maria Madalena Vieira Pinto (PT) and prof. Maria Pia Pasolini (IT)

CeMedForVet: Forensic Veterinary Medicine against poaching

Rosario Fico (Italy), Mariacher A., Ciarrocca E

Centro di Referenza Nazionale per la Medicina Forense Veterinaria

Istituto Zooprofilattico Sperimentale delle Regioni Lazio e Toscana, sezione di Grosseto

15:00-16:00 Oral communications

Livestock and wildlife: study about the presence of *Dichelobacter nodosus* in wild ungulates in Central Italy

Pesca C., Cruciani D., Abbate Y., Spina S., Crotti S., De Ferrari P., Rosembleck M.V., D'Avino N., Gobbi M.

Forensic approach on the livestock predations

Piscopo N., Esposito L., Gentile L., Yanes García T., Yanes Martínez T., Fiore E., Piegari G., Prisco F., De Biase D., D'Aquino I., Paciello O.

Wolf (*Canis lupus*) predation sites are affected by land cover and territorial planning
Ferrarini N., Principe M., ATC Viterbo I, ATC Rieti I, Viola P., Amici A.,

Studies on the Ectoparasitic Flies of Genus *Lipoptena* in Central Italy: the Case of an Adventive Species, *Lipoptena fortisetosa* (Diptera: Hippoboscidae)
Andreani A., Sacchetti P., Ponzetta M. P., Rosi M.C., Belcari A.

Hepatozoon canis in hunting dog in Campania Region
Pacifico L., Beall M., Buono F., Braff J., Sgroi G., Buch J., Neola B., Piantedosi D., Leutenegger C., Chandrashekar R. Fioretti A., Veneziano V.

16:00-16:30 Coffee break

16:30-17:00 Main lecture 4th

Chairperson: prof. Vicente Gonzalez Eguren (ES) and prof. Barbara Lamagna (IT)

Veterinary aspects of game and wildlife management

Ladislav Molnar (Slovak Republic), Major P., Lazar P., Konigova A.
University Veterinary Medicine & Pharmacy in Kosice, Clinic of Birds, Exotic and Free-Living Animals, Center Applied Research, Dept Management and Operation University Veterinary Hospital

17:00-17:45 Oral communications

Benzodiazepine Delorazepam Interferes with the early Developmental stages of *Sea Urchin*, a Model Marine Invertebrate

Motta C.M., Avallone B., Ciaravolo M., Cirino P., Napolitano G., Simoniello P., Tizzano M., Panzuto R., Agnisola C., Alessandro T.

Evaluation of intraocular pressure in healthy land turtles (*Testudo hermanni*) during hibernation and at the awakening

Della Valle G., Negri R., Piscopo N., Navas L., Lamagna F., Lamagna B.

An overview on Wildlife Rescue and rehabilitation Center "CRAS Federico II"

Minichino A., Gargiulo A., Borrelli L., Bongiorno I., Raia P., Caputo V., Dipineto L., Fioretti A.

Rescue protocols for wild animal in case of a fire alert

Esposito L., Sarnelli P., Oliva G., D'Orilia F., Caligiuri V., Fierro G., Piscopo N., Forgione G., Siragusa C., Boccia A., Bove R.

17:45-18:30 Poster Session – Other events

18:30-19:30 Closing ceremony and presentation of the 12th ISoWiF

21:00 Social dinner

LIST OF POSTERS

- 1 Discovering mammal diversity by camera-trapping in the Khangai Nuruu National Park (Mongolia)
Cicero M., Salomoni S., Scaravelli D., Augugliaro C.
- 2 Opportunities from remote recording of activity in wild ungulates: classification of behaviour in red deer (*Cervus elaphus*) using activity sensors in GPS collars
Becciolini V., Ponzetta M.P.
- 3 Status of an American mink *Neovison vison* population in northern Italy
Scaravelli D.
- 4 Recent evidence on the presence of the Western Polecat (*Mustela putorius* L.) in the province of Rieti (Italy)
Bonanni M., Santoni D.
- 5 Wolves in a highly anthropic area in the Province of Pisa, Tuscany, Italy
Coppola F., Baldanti S., Vecchio G., De Santi L., Russo C., Casini L., Felicioli A.
- 6 Evolution and distribution of wild boar damage in Campania, southern Italy
Varuzza P., Sgroi G., D'Alessio N., Neola B., Argenio F., Caputo V., Toscano V., Della Valle F., Veneziano V., Fioretti A.
- 7 The role of drive hunting to manage wild boar population in Campania Region, Southern Italy
Varuzza P., Sgroi G., D'Alessio N., Neola B., Argenio F., Caputo V., Toscano V., Veneziano V., Fioretti A.
- 8 A new strategy to manage ungulate populations: the results of the "Target Law" in the Tuscany Region
Banti P., Mazzarone V., Mattioli L., Lenuzza A., Taddei M., Ferretti M.
- 9 Digital innovations of the Tuscany Region Administration in wildlife hunting management
Banti P., Mazzarone V., Mattioli L., Lenuzza A., Taddei M., Ferretti M.
- 10 Primary data on the hunting of certain species in the Ascoli Piceno province (Italy)
Morelli E., Cataldi P.
- 11 First data on containment culling of some opportunistic species in the Ascoli Piceno Province (Italy)
Morelli E., Cataldi P.
- 12 Forest fires and sites of wolf (*Canis Lupus*) rendez-vous: a case study in the Province of Rieti
Ferretti V.
- 13 Invasive Alien Species: subspecies of chipmunks makes the difference
Andreoni A., Mori E.
- 14 Biodiversity and main biocenosis of the mid-Tyrrhenian Latium preappennine ecosystem
Parisella P., Galli T., Saralli G., Forlenza G., Rosati R.
- 15 Changes in microscopic morphology of Corpus luteum and uterine body during pregnancy stages in the African buffalo (*Syncerus caffer*).
Kosior M., Lyne K.Y., Marruccio L., Castaldo L., Salerno F., Paul T., De Martino E., Esposito G.
- 16 Behavioural toxicity of environmental relevant concentrations of a glyphosate commercial formulation in zebrafish embryos
Lanzarin G., Monteiro S.M., Venâncio C., Félix L.
- 17 Fish welfare: sedative effects of MS-222 and propofol under simulated transport conditions
Correia R., Sequeira R., Ribeiro C., Félix L., Monteiro S.M., Antunes L., Valentim A.M., Venâncio C.
- 18 Evaluation of fertility alteration in *Apis Mellifera Licustica* drones caused by climate changes
D'Anza E., Power K., Martano M., Albarella S., Ciotola F., Peretti V.
- 19 Training in health and hygiene for a higher level of the hunter
Giustini D., Varuzza P., Fanucci F., Vignali S.
- 20 The population of Mouflon (*Ovis aries musimon*) in Capraia Isle (Tuscan archipelago): structural and demographic characteristics
Giustini D., Varuzza P., Cavini U.
- 21 Are hunting periods conditioning roe deer hunting bag? The experience of Tuscan Hunting District, Pisa, Italy
Varuzza P., Giustini D., Sgroi G., Veneziano V., Fioretti A.
- 22 Seasonal movement patterns of a Rock partridge population in the French Alps: implications for management
Anceau C., Bernard-Laurent A., Faivre T., Maltese B. Sarrazin R., Serres J.P., Tangis S.
- 23 CeRVEnE prevention systems and assistance plan to wildlife in case of fire disaster
Tamburis O., Piscopo N., Reguera P., Bove R., D'Orilia F., Pinto R., Caligiuri V., Boccia A., Fiore E., Esposito L.
- 24 Foraging ecology of roe deer (*Capreolus capreolus* L.) in the Tuscan Apennines: diet composition and digestibility
Capecchi A., Manganelli E., Acuti G., Forte C., Vieceli L., Olivieri O., Trabalza Marinucci M.

- 25 Toxic and trace elements in body tissues of roe deer (*Capreolus capreolus* L.) in the Tuscan Apennines
Capecchi A., Acuti G., Forte C., Vieceli L., Olivieri O., Trabalza Marinucci M.
- 26 Animals, seismic events and alert signs: literature and perceptions
Teofili F.
- 27 Update to 2018 of the Faunistic checklist of SIC IT6020014: Mammals and Birds
Massimetti N.
- 28 Damage from wildlife in the province of Rieti (Italy). Which is the most responsible: the wild boar or the wolf?
Adriani V., Serafini D., Coletta A.
- 29 First data on the presence of the Wolf (*Canis lupus*) in the vast area of Mount Tancia (Rieti)
Roncarà T.
- 30 Distribution of the red deer (*Cervus elaphus*) in Rieti Province: Update 2019
Sconci S., Fornari R.
- 31 The Wild Boar (*Sus scrofa*) in the province of Rieti (Italy): perception of presence and problems
Adriani S., Begi R., Caluisi L., De Angelis L., Tarquini A., Quirini D.
- 32 The Wild Boar (*Sus scrofa*) in the province of Rieti (Italy): is the management perceived as effective?
Adriani S., Begi R., Caluisi L., De Angelis L., Tarquini A., Quirini D.
- 33 Three-year monitoring of the reproductive couples of Little Bittern *Ixobrychus minutus* in the territory of the Regional Nature Reserve of Lakes Lungo e Ripasottile
Sterpi M., Sterpi L., Rampini E.
- 34 Observation of the reproductive couples of Nightjars (*Caprimulgus europaeus*) in a reduced area of the Piana Reatina
Sterpi M., Sterpi L., Rampini E.
- 35 Reproductive success of some couples of Long-Eared Owl (*Asio otus*) found in the Piana Reatina area
Rampini E., Sterpi M., Sterpi L.
- 36 First remarks over the hierarchy of waterbirds and their use of roosts in the breeding colony of herons (garzaia) of Ripasottile.
Fermani R.N., Sterpi M., Sterpi L.
- 37 The faunal community of the colony of Lake Ripasottile: a figure of the last decade
Fosso F., Sterpi M., Sterpi L.
- 38 Status of the Fox (*Vulpes vulpes*) and distribution of earth within the lakes of Lungo and Ripasottile Nature Reserve.
Vagnoni M., Sterpi M., Sterpi L.
- 39 Are the official data on wild boar hunting bags reliable? The case study of Rieti province
Nicolucci R., Cannas A.
- 40 Historical analysis and current situation of wolf (*Canis lupus*) populations in Europe
Nicolucci R., Cannas A.
- 41 Helminths of fallow deer (*Dama dama*) bred in Southern Italy
Castagna F., Esposito L., Lavigna G., Poerio G., Ragusa M., Britti D., Musella V.
- 42 Management of the meat of ungulates hunted in the Tuscany Region: an advanced model in peninsular Italy
Mazzarone V., Banti P., Mattioli L., Lenuzza A., Taddei M., Capecchi A., Ferretti M.
- 43 Persistent organic pollutants (POPs) in Eurasian otter (*Lutra lutra*) from Southern Italy
Esposito M., De Roma A., Santoro M., D'Alessio N., Marigliano L., Picazio G., Gallo P., Galiero G.
- 44 Last stop for the wolf killers: forensic analysis puzzles out a fierce crime against wildlife
Garofalo L., Fanelli R., Mariacher A., Ciarrocca E., Fico R., Lorenzini R.
- 45 Sarcocystis spp. in wild boars in Campania Region
Pacifico L., Degli Uberti B., Sgroi G., D'Alessio N., Buono F., Esposito C., Fusco G., Fioretti A., Veneziano V., Santoro M.
- 46 Evaluation of lead pellets ingestion in Pheasant (*Phasianus colchicus*) living in a wildlife hunting company in Central Italy
De Luca Bossa L.M., Dipineto L., Meomartino L., Toscano V., Bongiorno I., Gargiulo A., Minichino A., Caputo V., Varuzza P., Fioretti A.
- 47 Endoparasites in some wild animals in Eastern Slovakia
Iglódyová A., Barbušinová E., Šmiga L., Čurlík J., Lazar P., Karolová R.
- 48 Parasite load of cobitid fish from Slovakian rivers
Šmiga L., Fedorčák J., Halačka K., Koščo J., Iglódyová A., Barbušinová E., Lazar P., Koščová L., Košuth P.
- 49 Regional monitoring surveillance zoonosis program in wildlife in Campania region: evolution in the last three-years period (2016-2018).
Desio G., D'Alessio N., Brunetti R., De Felice A., Veneziano V., Fioretti A., Fusco G., Caputo V., Sarnelli P., Baldi L.

- 50 Contribution of gastric content analysis to investigation of poaching cases: a case study
Mariacher A., Garofalo L., Fanelli R., Ciarrocca E., Lorenzini R., Fico R.
- 51 Parasitological surveillance in birds of prey in southern Italy
Capasso M., Ianniello D., Cringoli G., Dipineto L., Gargiulo A., Fioretti A., Rinaldi L.
- 52 Tuberculosis In wild boar, epidemiology and control perspectives
Gavaudan S., Conquista M., Angeloni G., Perugini G., Maresca C., Scoccia E., Aconiti Mandolini N., Barchiesi F., Pesca C., Morandi F., Moscati L., Canonico C., Checcarelli S.
- 53 Thermotolerant *Campylobacter* in living game birds
Borrelli L., Varriale L., Russo T.P., Minichino A., Gargiulo A., Pace A., Fioretti A., Dipineto L.
- 54 Diversity and intensity of environmental contamination with gastrointestinal parasites of wolves in Northern Spain
Vieira-Pinto M.M., Llana L., Neves J., Mateus T. L.
- 55 Malicious poisoning of wildlife in Lazio and Tuscany regions between 2005 and 2018
Ciarrocca E., Grifoni G., Mariacher A., Garofalo L., Fico R.
- 56 Antimicrobial resistance in lactic acid bacteria isolated from Iberian wolf in Castilla y León (Spain)
González S., Peral J.C., Martín-Ferrero S., Sanz C., Yanes T., Carvajal A., Rubio P.
- 57 Cardiac magnetic resonance in *Trachemys scripta elegans* turtles
Millán L., Regueiro-Purriños M., Prieto-Cadenas B., Altónaga, J.R., Viñuela-Baragaño D., Carvajal A., Ginja M., Serantes A., Gonzalo-Orden, J.M.
- 58 Assessing Chronic Wasting Disease risk in Portugal
Vieira-Pinto M., Bastos E., Gonçalves-Anjo N., Rocha S., Figueira L., Matos A.C., Orge L., Machado C., Silva J., Mendonça P., Carvalho P., Tavares P., Lima C., Alves A., Esteves A., Pinto M.L., Pires I., Gama A., Sargo R., Silva F., Seixas F., Pires M.A.
- 59 Computed Tomography role in two traumatized Red Foxes (*Vulpes vulpes*)
Greco A., Costanza D., Mennonna G., Guerriero M.C., Gargiulo A., Santaniello A., Minichino A., Bongiorno I., Pompameo M., Menna L. F., Meomartino L.
- 60 A Serological Survey of Aujeszky disease in Eurasian Wild Boar (*Sus scrofa*) in Campania Region
Montagnaro S., D'Ambrosi F., Ferrara G., Petrucelli A., Iovane G., Veneziano V., Esposito L., Fioretti A., Pagnini U.
- 61 Molecular investigation on *Echinococcus granulosus* and other *Taenia* spp. in grey wolves (*Canis lupus*) in Umbria region
Gobbi M., Spina S., Cruciani D., Papa P., Pesca C., Sebastiani C., Vercillo F., D'Avino N. Gavaudan S., Ragni B., Crotti S.
- 62 Serological investigation on wild ruminants' diseases in Central Italy
De Ferrari P., Gobbi M., Palazzetti F., Giammarioli M., Papa P., Costarelli S., Consalvi F., Vercillo F.
- 63 Drought as a risk factor to Tuberculosis infection in free-hunted red deer in Southeast of central Portugal
Abrantes A.C., Serejo J., Vieira-Pinto M.