

SCIENTIFIC PROGRAM

**Mediterranean Federation
Health and Production of Ruminants**



27° international congress
Bologna, September 4-6, 2025

Zanhotel Europa, Via Boldrini 11, Bologna, Italy
www.femesprum.org

Thursday, September 4 Morning					
		Room “Parigi”			Room “Londra”
Opening speeches Chairman Joze Staric (Slovenia)	8.00 – 9.00	Registration			
	9.00 – 9.30	Opening ceremony <i>Arcangelo Gentile (President of the organizing committee and President of the World Association for Buiatrics)</i> <i>Joze Staric (President of the FEMESPRUM)</i>			
	9.30 – 10,00	1) <i>Lafri Ismail (Algeria)</i> Challenges for ruminant ticks and tick-borne diseases control in the Mediterranean region			
	10.00 – 10.20	2) <i>Hasan Batmaz (Turkey)</i> Clinical Experience with infectious diseases in cattle in the Mediterranean region			
	10.20 – 10.30	Presentation of the World Association for Buiatrics and of the World Buiatric Congress 2026			
	10.30 – 11.00	Coffee break			
Foot and Mouth Disease Chairman Vincenzo Cuteri (Italy)	11.00 – 11.30	3) <i>Fabrizio Rosso (EuFMD, Italy)</i> Global threat, local response: monitoring and managing Foot-and-Mouth Disease			
	11.30 – 12.15	4) <i>Torreggiani et al (Italy)</i> Strengthening preparedness: training strategies for Foot and Mouth Disease outbreak response 5) <i>De Nardi et al (Italy, Pakistan)</i> Epidemiological investigation of the prevalence and risk factors of Foot and Mouth Diseases (FMD) in small ruminants in Bahawalpur division, South Punjab, Pakistan 6) <i>Foglia et al (Italy, United Kingdom, Turkey, Kenya, Pakistan, EuFMD)</i> Validation of two multiplex lateral flow devices for the rapid detection and typing of Foot and Mouth Disease viruses	Heat stress Chairman José Ramiro Gonzales Montaña (Spain)	11.30 – 12.00	10) <i>Genkoglu (Turkey)</i> Management of heat stress in dairy cows
				12.00 – 13.00	11) <i>Mataz-Quintavilla et al (Spain)</i> Evaluating the impact of heat stress on oxidative status in healthy lactating cows in serum 12) <i>Martinez et al (Spain)</i> Assessment of heat stress effects on physiological responses and reproductive efficiency in dairy cattle under oceanic climate conditions in northwestern Spain 13) <i>Gecchele et al (Italy, Australia)</i> Early diagnosis of heat stress in dairy goats through infrared thermography and behavioural indicators: tools to validate their potential as model species in the climate change era 14) <i>Carbonari et al (Italy)</i> Effect of heat stress on endocannabinoid levels and oxidative status in dairy cows
Medicine Chairman Joana Jacinto (Portugal/Switzerland)	12.15 – 13.00	7) <i>Bazzano et al (Italy)</i> A prospective, blinded, open-label clinical trial to assess the ability of fluorescent light energy to enhance wound healing after castration in goat kids 8) <i>Paolini et al (Italy)</i> A clinical evaluation of two different volumes of epidural anaesthesia in calves undergoing castration 9) <i>Del Zozzo and Ranieri (Italy)</i> Effettive disinfection practices in animal husbandry through proper protocol adherence (supported by Chemifarma)			
	13.00 – 14.30	Lunch		13.00 – 14.30	

Thursday, September 4 Afternoon

		Room “Parigi”			Room “Londra”
Parasitology Chairman Antonio Bosco (Italy)	14.30 – 16.00	15) <i>Konstantinovic et al (Croatia)</i> Pilot survey of <i>Haemonchus contortus</i> infection in sheep from Croatia using PNA detection method 16) <i>Poglayen et al (Italy, Ethiopia)</i> Fasciolosis control in the Boru Kutaber Alasha Valley (Ethiopia). Perhaps a project, perhaps a dream 17) <i>Bitelli et al (Italy, Switzerland, Tanzania)</i> Tick diversity and related transmissible pathogens in five different livestock facilities from south Tanzania 18) <i>Cavallo et al (Italy)</i> Cryptosporidiosis in lambs: diagnostic features on copromicroscopy and intestinal examination 19) <i>Escalera-Valente (Mexico, Spain)</i> Coccidiosis control in recently weaned lambs via Hura Crepitans (L) seeds: a sustainable phytotherapeutic approach 20) <i>Yasin et al (Syria)</i> Cross- reactions of the monospecific Hydatid cyst sera with some helminthes antigens in sheep	Reproduction Chairman Antonio Natale (Italy)	14.30 – 16.00	21) <i>Bolognini (Italy)</i> Fertility as a mirror of management: a critical analysis of weak points in dairy cattle farms (supported by Chemifarma) 22) <i>Gallo and Argiolas (Italy)</i> The sementusa protocol: reproductive control in sheep and goat farming (supported by Chemifarma) 23) <i>Monti (Italy)</i> Colour Doppler evaluation of the corpus luteum in cattle: applications and perspectives 24) <i>Tekin (Turkey, Italy)</i> Evaluating the relationship between ultrasonographic parameters and semen quality in Angora bucks 25) <i>Gonzales Montana et al (Spain, Mexico)</i> Multiple factors causing infertility in a herd of Limousin breeding bulls under extensive farming conditions 26) <i>Martinez et al (Spain)</i> Serum minerals as predictors of reproductive success in primiparous dairy cows during the peripartum transition
	16.00 – 16.30	Coffee break		16.00 – 16.30	
Internal medicine Chairman Panagiotis Katsoulos (Greece)	16.30 – 18:00	27) <i>Prosperi et al (Italy)</i> Epidemiological insights into dairy cattle botulism: analysing the outbreaks in Parma and Piacenza provinces (northern Italy) 28) <i>Ogundipe et al (Nigeria, Italy)</i> <i>Nerium Oleander</i> poisoning in a dairy herd: clinical findings and treatment outcomes 29) <i>Jacinto (Switzerland, Portugal)</i> Application of thoracic ultrasound in the detection and management of Ovine Pulmonary Adenocarcinoma in a sheep flock 30) <i>Petrucci et al (Italy)</i> First report of sporadic bovine leukosis in a Marchigiana calf: clinical and pathological characterization of a rare condition 31) <i>Bolcato et al (Italy)</i> Bovine models for genetic neuromuscular diseases 32) <i>Gadioli et al (Italy, Nigeria)</i> Clinical and diagnostic evaluation of rumenitis in one-month old calf	Genetics Chairman Lutfi Musa (Syria/Sudan)	16.30 – 17.00	33) <i>Ardicli (Turkey)</i> Decoding A2 milk: the genetics behind a healthier dairy alternative
			Nutrition and metabolism Chairman Cristina Castillo Rodríguez (Spain)	17.00 – 18.00	34) <i>Kadek et al (Czech Republic)</i> Comparison of two different methods of administration beta-carotene to calves 35) <i>Faraz (Pakistan)</i> Study of growth rate and blood profile of Barela Dromedary (camelus dromedarius) calves supplemented with postbiotics in semi-intensive management system 36) <i>Pazarakioti et al (Greece)</i> Dietary supplementation with a nucleotide-rich extract enhances the control of neonatal diarrhea syndrome in lambs 37) <i>Cincovic et al (Serbia, Slovenia)</i> The influence of serum storage temperature on the stability of biochemical parameters in cow blood

Friday, September 5 Morning

		Room “Parigi”			Room “Londra”
Session chaired by SIPAOC Chairman: Giuseppe Cringoli, Silvana Mattiello, Raffaella Tudisco, Antonio Scala, Giorgio Saralli	9.00 – 9.30	Precision Livestock Farming, innovations and new technologies: potential applications in small ruminant farming <i>38) Vincenzo Lopreiato e Salvatore Praticò (Italy)</i> Smart farming for small ruminants: integrating remote sensing-based and field-based technology to improve productivity and welfare <i>39) Antonio Bosco (Italy)</i> Precision technologies for the diagnosis and control of parasitic diseases in small ruminants	<i>Tound table organized in collaboration with STOR-REMESA Réseau Méditerranéen de Santé Animal</i>	9.00 – 10.30	<i>Round table</i> Animal health networks for the Mediterranean <i>Chairman: Arcangelo Gentile (World Association for Buiatrics – Italy)</i> <i>Romano Marabelli (WOAH)</i> <i>Francesca Di Gaudio/Roberto A. Balbo/Guido R. Loria (STOR-IZS Sicily)</i> <i>Francesco Valentini (WOAH, Tunisia)</i> <i>Alessandro Ripani/Laura De Antoniis (ERFAN - IZS Teramo, Italy)</i> <i>Vincenzo Caputo/Stefano Petrini (IZS Perugia, Italy)</i> <i>Mohammed Methnani (MVI, Tunisia)</i> <i>Abdul Mounem Al Yasin (ACSAD, Syria)</i> <i>Joze Staric (FEMESPRUM, Slovenia)</i>
	9.30 – 10.00	Small ruminant dairy sector: moving forward quality and sustainability <i>40) Massimo Todaro (Italy)</i> Can agroindustrial by-products modify cheeses nutritional and nutraceutical characteristics? <i>41) Roberto Condoleo (Italy)</i> Hygienic and sanitary requirements for raw milk production			
	10.00 - 10.30	Twenty years of Bluetongue in Sardinia <i>42) Ciriaco Ligios (Italy)</i> Uncovering facts, tracking scientific developments and debunking myths			
	10.30 – 11.00	Coffee break		10.30 – 11.00	Coffee break
Animal production Chiarmen Andrea Serraino (Italy)	11.00 – 12.00	<i>43) Gallese et al (Italy)</i> Application of a LCA model to assess the environmental impacts of dairy farms in Italy <i>44) Taio et al (Italy)</i> Impact of subclinical ketosis on greenhouse gas emissions and ultrasound imaging in dairy cows <i>45) Lisuzzo et al (Italy)</i> Animal growth and ultrasound characteristics of longissimus dorsi of beef heifers according to two stocking density: a preliminary study <i>46) Zanato et al (Italy)</i> Microbiological evaluation of vacuum packed dry-aged beef	<i>Tropical diseases in collaboration with STOR-REMESA and IZS of Teramo Chairman Lafri Ismail (Algeria)</i>	<i>11.00 – 11.30</i>	<i>51) Massimo Scacchia (Italy)</i> Contagious Bovine Pleuropneumonia
				<i>11.30 – 12.00</i>	<i>52) Lounes Nedjma (Algeria)</i> Current situation of Brucellosis in the Maghreb region
Buffalos Chairman Domenico Vecchio (Italy)	12.00 – 13.00	<i>47) Giovanna Cappelli (Italy)</i> Buffalo breeding system: state of the art and future perspectives <i>48) Natale (Italy)</i> Approach to the management of Mediterranean Buffalo breeding in Italy <i>49) Singha et al (Bangladesh, The Netherland, Italy)</i> Milk microbiota variability in the quarter and farm bulk milk in water buffalo milk value chain in Bangladesh <i>50) Dadi et al (Italy)</i> The presence of <i>Staphylococcus aureus</i>, MRSA and enterobacteria producing extended beta-lactamase in water buffalo farms in the Salerno province		<i>12.00 – 12.30</i>	<i>53) Alessandra Scagliarini (Italy)</i> Emerging exotic diseases in small ruminants: are human migrations playing a role?
				<i>12.30 – 13.00</i>	<i>54) Massimo Scacchia (Italy)</i> Lumpy Skin Disease: clinical aspects
	13.00 – 14.30	Lunch		13.00 – 14.30	Lunch

Friday, September 5 Afternoon					
		Room “Parigi”			Room “Londra”
One Health Chairman Ramzi Boubaker Elandolsi (Tunisia)	14.30 – 15.00	55) Mantovani (Italy) One health-based approaches in bovine nutrition: examples from the evaluation of trace elements in feeds by the EFSA FEEDAP panel	Miscellaneous Chairman Hidir Genkoglu (Turkey)	14.30 – 15.00	60) Katsoulos (Greece) Surgical treatment of Cenurosis in small ruminants
	15.00 – 16.00	56) Weiss et al (Italy) Identification of zoonotic agents in bioaerosols in sheep and goat farms: a one health approach (ZOOAIR) 57) Del Signore et al (Italy) Imaging diagnostics in the preservation of animal biodiversity: the Teramana goat under X-Rays 58) Elhamdi et al (Tunisia and Jordan) Conservation agriculture’s impact on the digestive and the respiratory parasitism of sheep 59) Iotti et al (Italy) Looking for a sheep: diverse voices from and about the pastoral culture of the ancient este provinces, almost twenty years later		15.00 – 16.00	61) Christodoulopoulos (Greece) Recent greek experience related to Peste des Petit Ruminants 62) Pazarakioti (Greece) Evidence-based clinical guideline for targeted antibacterial treatment of neonatal diarrhea in lambs 63) Petrini et al (Italy, Tunisia) Study of different viral infections in some dromedary and cattle herds in Tunisia: preliminary results 64) Garbarino et al (Italy, Germany) Contamination of alpine pastures by <i>Micobacterium avium subsp. Paratuberculosis</i>: evaluation of cattle and red deer contribution through environmental fecal samples
	16.00 – 16.30	Coffee break		16.00 – 16.30	Coffee break
International legislation and animal welfare Chairman Angelo Peli (Italy)	16.30 – 18.00	65) Gonzales Alonso et al (Spain, Germany, Switzerland, USA) Using artificial intelligence to detect signs of wellbeing in Mediterranean dairy cattle: a pilot study 66) Cocco et al (Italy) Buying and selling goats in Sardinia: forensic observations on a specific case 67) Catania et al (Italy) Official control of goat welfare at farm level: a comparison of classyfarm results at local, regional and national level 68) Pugliese et al (Italy) Missing the signs? Veterinary forensics as a game-changer in ruminant welfare 69) Vitiello et al (Italy) Analysis of the effectiveness of the veterinary control system on ruminant farms: a retrospective study in the metropolitan area of Milan (Italy) 70) Bolcato et al (Italy) Livestock transport: safeguarding animal health and welfare through the One Health approach	AMR and drugs Chairman Stefano Petrini (Italy)	16.30 – 17.00	71) Elandolsi et al (Tunisia) Clonal dissemination of bacteria antibiointeresistance in the human-animal-environment interface in Tunisia 72) Toso et al (Italy) Occurrence and antimicrobial resistance profiles of ESKAPE bacteria in dairy cattle population: a prospective observational study and zoonotic risk evaluation
				17.00 – 18.00	Poster Q&A time
	18.00 – 18.30	General assembly			
	20.00	Social dinner: Ristorante San Tommaso d’Aquino, Via San Domenico 1, Bologna			

Saturday, September 6 Morning	
09.00 – 16.00	Educational trip (not included in the congress fees)
Departure from the Zanhotel Europa	a) visit of a dairy farm b) visit of a parmesan cheese factory c) lunch at the Agriturismo La Barbera (www.agriturismolabarbera.it), Via Lunga, 28, Castelvetro di Modena (MO)

POSTER

Name of the first author	Number of the poster	Title of the poster	Session
Mshary	73	Effect of nitrooxypropanol (3-NOP) supplementation in high-producing dairy cows: a pilot study	Nutrition
Golavsek	74	<i>Escherichia coli</i> from calf feces on dairy farms: pathovars and antimicrobial resistance genes	AMR
Ambra	75	Are improved biosecurity and welfare levels sufficient drivers to reduce antimicrobial use in ruminants? Case study of Italian buffalo farms	AMR
Gualtiero	76	Validation of the bovine blood calcium checker as a rapid and simple measuring tool for the ionized calcium concentration in sheep	Diagnostic
Gualtiero	77	Use of kit Porta SCC as a potential on-farm screening tool for subclinical mastitis in dairy sheep	Diagnostic
De Donato	78	Evaluation of five different anticoagulants and a stabilizer on total leukocyte, T lymphocyte and monocyte subset counts in cattle and buffaloes using flow cytometry	Diagnostic
De Matteis	79	Differential immune responses to bovine tuberculosis in water buffalo and cattle: a flow citometry and transcriptomics analysis	Diagnostic
Galluzzo	80	Surveillance on zoonotic agents in wild ruminants of Sicily: molecular investigation on <i>Toxoplasma gondii</i> , <i>Leptospira</i> spp. and <i>Coxiella burnetii</i>	Diagnostic
Puleio	81	Histopathology, immunohistochemistry and in situ hybridization findings in mastitis caused by <i>Mycoplasma agalactiae</i>	Diagnostic
Ntirandekura	82	Social aspects related to animal husbandry in traditional and improved stables in eastern Burundi	Farming
Martin	83	Effect of prepartum shearing on serum thyroid hormone concentrations in Australian merino sheep under extensive grazing conditions	Farming
Molina	84	Joint efforts for sustainable resilient farming of local Apulian sheep and goat populations: the contribution of the “LOCAL”, “Agritech”, “BioZooCare” and “WOOLLY” projects	Farming
Molina	85	Investigating the origins of the "Murciunara" goat: genetic insights from the ValBiOviCap project	Farming
D’Onofrio	86	Effects of the management system on the main milk traits and clotting ability in sheep farms in the Lazio and Tuscany regions	Farming
Pugliese	87	Greenhouse gas emission from livestock farming. The health status of the herd	Farming
Ustuner	88	The effect of lying time on fattening performance in lambs	Farming
Luridiana	89	Melatonin treatment and hormonal and oxidative responses to shearing stress in Sarda sheep	Farming
Martelli	90	Welfare of fattening cattle: preliminary field-based comparison between a conditioning centre and a conventional unit	Farming
Gentilini	91	Impact of basecalling algorithms on variant detection accuracy in adaptive targeted sequencing	Genomics

Name of the first author	Number of the poster	Title of the poster	Session
<i>Molina</i>	92	Selection of a dromedary SNP parentage panel	Genomics
<i>Molina</i>	93	Unraveling genetic determinants of trypanosome infection in Algerian dromedaries	Genomics
<i>Molina</i>	94	Development of a SNP parentage panel for Apulian autochthonous sheep breeds within the frame of the L.O.C.A.L. project	Genomics
<i>Carluccio</i>	95	From the past to the future: history and next perspectives of the "Leccese" sheep	Genomics
<i>Lutfi</i>	96	Genetic polymorphism of GDF9 and BMP15 fecundity genes in Syrian Awassi sheep	Genomics
<i>Blanda</i>	97	Molecular detection and characterization of piroplasms (<i>Babesia</i> and <i>Theileria</i>) and other tick-borne pathogens in fallow deer of Sicily, southern Italy	Genomics
<i>Pugliese</i>	98	Septicemia caused by <i>E. coli</i> ST23 in a heifer herd in Apulia, Italy	Medicine
<i>Sacchetto</i>	99	Bovine pseudomyotonia: an animal model to cure human Brody myopathy	Medicine
<i>Escalera-Valente</i>	100	Plasma cobalt levels in cattle submitted to different feeding management systems	Nutrition
<i>Cappelli</i>	101	Prevalence and risk factors of <i>Toxoplasma gondii</i> infection and detection in raw milk from dairy buffaloes in southern Italy	Parasitology
<i>Bassi</i>	102	Seroprevalence and risk factors for infection of <i>Besnoitia besnoiti</i> in beef cattle of Emilia Romagna region in northern Italy	Parasitology
<i>Orrù</i>	103	Organic management of tick control in Sardinian sheep farming	Parasitology
<i>Cabras</i>	104	Prevention, information and training activities for the protection of human health in sheep and goat livestock environments with tick infestation	Parasitology
<i>Dalle Palle</i>	105	Mimicking natural conditions to resolve in vitro production (IVP) side effects	Reproduction
<i>Gómez-Fidalgo</i>	106	Evaluation of scrotal circumference, body weight and metabolic markers as predictors of sexual precocity in Lacaune ram lambs	Reproduction
<i>Cinone</i>	107	Vitamin D receptor and vitamin D-metabolizing enzymes in testis of buck affected by testicular lithiasis	Reproduction
<i>Paolini</i>	108	The use of quadratus lumborum (QL) block for analgesia management in Tibetan goat undergoing emergency cesarean section: a case report	Surgery
<i>Cappelli</i>	109	Assessment of the innocuity and efficacy of two commercial IBR marker vaccines against bubaline alphaherpesvirus 1 (BuAHV-1) in water buffalo (<i>bubalus bubalis</i>)	Vaccinology
<i>Di Gaudio</i>	110	Scientific and technical office of REMESA (STOR) (History and tasks)	Education
<i>Zaffarano</i>	111	Health education: a small experience in Mozambique	Education

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