

Agenda for poster presentations

Wednesday, September 22nd

ANIMAL WELFARE AND RESILIENCE

<u>Fiorella Sbarra</u> , Andrea Quaglia, Giovanni Bittante, Roberto Mantovani <i>Genetic parameters of temperament traits in Marchigiana, Chianina and Romagnola young bulls</i>	P001
<u>Silvana Mattiello</u> , Renata Piccinini, Stefano Biffani, Giovanni Bailo, Monica Battini, Giulietta Minozzi <i>Does the presence of weeping teats affect behaviour, health and productivity of dairy goats?</i>	P002
Michele Premi, Giulia Ferronato, Matteo Mezzetti, Mario Barbato, Fiorenzo Piccioli-Cappelli, Andrea Minuti, <u>Erminio Trevisi</u> <i>Reference intervals for plasma parameters in high-welfare multiparous dairy cows in different physiological phases</i>	P003
<u>Alice Vanzin</u> , Alessandro Toscano, Vittoria Bisutti, Sara Pegolo, Diana Giannuzzi, Alessio Cecchinato <i>Associations between udder health traits and milk mineral profile in Holstein Friesian cattle</i>	P004
<u>Andrea Minuti</u> , Luca Cattaneo, Vincenzo Lopreiato, Silvia Zini, Fiorenzo Piccioli Cappelli, Erminio Trevisi <i>Effects of a selective dry-cow therapy approach on milk, inflammation, and metabolic profile during the dry-period</i>	P005
Francesco Ciampi, Lorraine Sordillo, Jeffrey Gandy, Marzia Albenzio, Mariangela Caroprese, Maria Giovanna Ciliberti, Antonella della Malva, Martina Di Corcia, Rosaria Marino, Agostino Sevi, <u>Antonella Santillo</u> <i>Use of pomegranate extracts in bovine oxidative stress mitigation</i>	P006
Giorgia Riuzzi, Ilaria Lanza, Barbara Contiero, <u>Severino Segato</u> , Flaviana Gottardo <i>Influence of the main dietary roughage sources on the health status of Italian Friesian lactating dairy cows</i>	P007
<u>Vincenzo Landi</u> , Alessio Cecchinato, Aristide Maggiolino, Umberto Bernabucci, Pasquale De Palo <i>Heat stress in Italian Brown Swiss: effect of the interaction of genotype by environment using reaction norm analysis</i>	P008
<u>Matteo Braidot</u> , Chiara Sarnataro, Carla Fabro, Alberto Romanzin, Francesco Fancello, Severino Zara, Mauro Spanghero <i>Effect of lactic acid bacteria addition or protozoa modulation on the in vitro rumen aflatoxin B1 decontamination</i>	P009
<u>Riccardo Moretti</u> , Stefania Chessa, Stefano Sartore, Dominga Soglia, Daniele Giaccone, Francesca Tiziana Canizzo, Paola Sacchi <i>Application of a genomic tool for heifers selection in Italian Holstein cattle</i>	P010

Maria Costanza Galli, Claudio Mazzoni, Federica Mereghetti, Barbara Contiero, <u>Flaviana Gottardo</u> <i>How the stage of gestation for moving at the group housing can affect sow's reproductive performance?</i>	P011
Mariangela Caroprese, <u>Maria Giovanna Ciliberti</u> , Rosaria Marino, Fabio Napolitano, Ada Braghieri, Agostino Sevi, Antonella Santillo, Martina di Corcia, Antonella della Malva, Marzia Albenzio <i>What consumers perceive from geographical information and welfare of lambs?</i>	P012
<u>Maria Francesca Sgadari</u> , Alessio Cotticelli, Brunella Restucci, Angela Salzano, Rossella Di Palo, Gianluca Neglia <i>Differential somatic cell count in buffalo species: preliminary results</i>	P013
<u>Damiano Cavallini</u> , Alberto Palmonari, Emanuela Valle, Francesca Ghiaccio, Ludovica Mammi, Andrea Formigoni <i>Health and immunological parameters of susceptible and resistant cows exposed to a rich grain diet</i>	P014
Filippo Lazzari, Tiziana Vetturini, <u>Pierpaolo Danieli</u> <i>Preliminary laboratory trials on the efficacy of hop alpha iso-acids on the control of the honey bee (Apis mellifera L.) ectoparasite Varroa destructor</i>	P015
<u>Pier Paolo Danieli</u> , Davide Bassignana, Francesco Barbarese, Remigio Ercolani, Filippo Lazzari <i>Practical perspectives of using the Bee Varroa Scanner (BeeVS), as an automated tool for the Varroa destructor parasite load monitoring in honey bee (Apis mellifera) colonies</i>	P016
Carlotta Ceniti, <u>Anna Antonella Spina</u> , Nicola Costanzo <i>Application of Fourier Transform Infrared spectroscopy for determination of immunoglobulins in sheep colostrum</i>	P017
Alessandra Marzano, <u>Roberta Cresci</u> , Roberto Abis, Claudio Ledda, Alberto Stanislao Atzori <i>Effects of spirulina platensis supplementation on performances and metabolic status of post-weaning calves</i>	P018
<u>Alberto Palmonari</u> , Francesca Ghiaccio, Giovanni Buonaiuto, Giorgia Canestrari, Attilio Mordenti <i>Effect of experimental covering texture on forage preservation and quality</i>	P019

ROLE AND CHARACTERIZATION OF LOCAL BREEDS

<u>Enrico Mancin</u> , Cristina Sartori, Beniamino Tuliozzi, Roberto Mantovani <i>Optimal economic weight by restricted selection index for dual-purpose cattle breed</i>	P020
<u>Roberto Mantovani</u> , Enrico Mancin, Beniamino Tuliozzi, Nadia Guzzo, Cristina Sartori <i>Genetic parameters for new phenotypes measured in alpine local breeds</i>	P021
<u>Nicolaia Iaffaldano</u> , Michele Di Iorio, Giusy Rusco, Emanuele Antenucci, Luisa Zaniboni, Silvia Cerolini <i>Implementation of the first Italian semen cryobank of autochthonous turkey breeds: preliminary results</i>	P022
<u>Michela Ablondi</u> , Christos Dadousis, Ernesto Mario Zambini, Valentino Beretti, Alberto Sabbioni <i>The use of Principal Component and Linear Discriminant analyses to assess differences among four alpine goat breeds</i>	P023
Manuela Madeddu, <u>Luisa Zaniboni</u> , Stefano Paolo Marelli, Michele Di Iorio Di Iorio, Giusy Rusco, Nicolaia Iaffaldano, Silvia Cerolini <i>Semen cryopreservation for ex situ management of genetic diversity in chicken: creation of the Italian Avian Cryobank</i>	P024
<u>Maria Teresa Sardina</u> , Rosalia Di Gerlando, Salvatore Mastrangelo, Marco Tolone, Angelo Moscarelli, Anna Maria Sutera, Baldassare Portolano <i>Parentage reconstruction using microsatellite markers in Valle del Belice sheep breed</i>	P025

Antonio Granero, Antonio Molina, Gabriel Anaya, <u>Chiraz Ziadi</u> , María Jesús Alcalde <i>Morphometric differences based on quantitative traits between different genetic lines in the Merino Español sheep breed</i>	P026
<u>Alessio Negro</u> , Matteo Cortellari, Arianna Bionda, Stefano Biffani, Silverio Grande, Paola Crepaldi <i>Exploring pedigrees: an overall picture of biodiversity in Italian small ruminants</i>	P027
Elisa Somenzi, Niccolò Franceschi, Mario Barbato, <u>Licia Colli</u> , Erika Partel, Matteo Komjanc, Alessandro Achilli, Heidi Christine Hauffe, Paolo Ajmone Marsan <i>Genetic diversity and runs of homozygosity in Rendena Cattle</i>	P028
<u>Elena Ciani</u> <i>Role and characterization of dromedary breeding systems in northern Sahara: the PRIMA "Camel-Shield" project</i>	P029
Francesco Perini, Irene Cardinali, <u>Simone Ceccobelli</u> , Anthony Gruppetta, Carlos San José Marqués, Amparo Martínez Martínez, Asmaa Mohammed Aly Abushady, Luis Monteagudo ⁽⁸⁾ , Luigi Liotta ⁽⁹⁾ , George Attard ⁽¹⁰⁾ , Emiliano Lasagna, Hovirag Lancioni <i>Ancient mitotypes in the houndlike dog breeds native of the Mediterranean Basin</i>	P030

SUSTAINABLE INTENSIFICATION

<u>Francesco Serrapica</u> , Maria Eleonora Pelosi, Alessandro Vastolo, Maura Sannino, Salvatore Faugno, Antonio Di Francia <i>Hemp cakes composition and ruminal degradability as influenced by the cold-pressing parameters</i>	P031
Marianna Oteri, Ambra Rita Di Rosa, Filippo Giarratana, Giuseppa Di Bella, Vittorio Lo Presti, <u>Biagina Chiofalo</u> <i>Feed Insects For Aquaculture: Use of Hermetia illucens L. meal for Sparus aurata L.: Chemical and microbiological characterization of the diets</i>	P032

NUTRITIONAL PROFILE

<u>Marco Cullere</u> , Zsolt Szendrő, Zsolt Gerencsér, Zsolt Matics, Antonella Dalle Zotte <i>The role of heat stress and feed restriction on the physical traits and proximate composition of rabbit meat</i>	P034
<u>Simone Mancini</u> , Simona Mattioli, Alessandro Dal Bosco, Chiara Secci, Gisella Paci <i>Effect of cooking techniques on the protein digestibility and fatty acids profile of mealworms (Tenebrio molitor)</i>	P035
<u>Maria Federica Trombetta</u> , Simone Ceccobelli, David Ranucci, Paride D'Ottavio, Marina Pasquini <i>TBARs and ORAC: oxidative stability of lamb meat in three Italian sheep breeds</i>	P036
<u>Silvia Parrini</u> , Francesco Sirtori, Alessandro Crovetto, Maria Chiara Fabbri, Chiara Aquilani, Andrea Confessore, Riccardo Bozzi <i>Fatty acid profile of Massese lambs' muscles in different rearing systems</i>	P037
<u>Chiara Ceccotti</u> , Laura Gasco, Simona Rimoldi, Marco Saroglia, Genciana Terova <i>The dietary influence of partially defatted Hermetia illucens meal on the hepatic methionine metabolism in rainbow trout</i>	P038

<u>Micaela Antonini</u> , Federico Moroni, Marco Saroglia, Genciana Terova <i>Histological evaluation of probiotic (lactic acid bacteria) effects on gilthead sea bream (Sparus aurata) gut</i>	P039
Carmela Lovallo, <u>Salvatore Claps</u> , Francesco Napolitano, Alessandra Crisà <i>Sialyloligosaccharides content in milk of different cow breeds</i>	P040
<u>Claudia Lambiase</u> , Francesco Serrapica, Antonio Di Francia, Maria Luisa Varricchio, Fernando Grasso, Carmela M. A. Barone, Felicia Masucci <i>Management, total mixed ration composition, and milk fatty profile in buffalo farming</i>	P041
Adja Cristina Lira de Medeiros, <u>Lina Fernanda Pulido Rodriguez</u> , Giuliana Parisi <i>Sea bream fillet quality as affected by alternative protein sources in diet</i>	P042
<u>Giulia Secci</u> , Giovanni Piccolo, Maria Concetta Messina, Giuliana Parisi <i>Does honey bee pollen as dietary supplement effectively preserve sea bream fillets during frozen storage?</i>	P043
<u>Riccardo Primi</u> , Sebastiana Failla, Michela Contò, Bruno Ronchi, Pier Paolo Danieli <i>Fatty acid profile of Sarda suckling lamb meat with different fat content</i>	P044
<u>Salvatore Claps</u> , Margherita Addis, Marisabel Mecca, Carmela Lovallo, Adriana Di Trana <i>The incidence of fresh forage in sheep diet on Pecorino di Filiano DOP cheese quality</i>	P045
<u>Giulia Gislou</u> , Alberto Tamburini, Anna Sandrucci, Maddalena Zucali, Milena Brasca, Luciana Bava <i>Bovine beta casein polymorphism and environmental sustainability of cheese production</i>	P046
<u>Matteo Daghio</u> , Federica Mannelli, Fabio Omodei Zorini, Silvia Sandrini, Carlotta Giromini, Arianna Buccioni, Carlo Viti, Giovanni Savoini, Guido Invernizzi <i>Impact on goat milk composition and rumen microbiome of Camelina sativa cake and Cynara cardunculus supplements</i>	P047
<u>Marco Acciario</u> , Valeria Giovanetti, Corrado Dimauro, Elisabetta Murru, Claudia Manca, Andrea Cabiddu, Gianfranca Carta <i>Use of a partial least-squares regression model to estimate intramuscular fatty acid profile in beef from blood analysis</i>	P048
<u>Paolo Bani</u> , Giulia Ferronato, Paolo Ajmone Marsan, Luca Cattaneo, Andrea Minuti, Olga Gachiuta <i>Variability of milk fatty acids profile between and within dairy farms producing milk for Grana Padano PDO cheese</i>	P049
<u>Giulia Grassi</u> , Amalia Simonetti, Mariateresa Passannante, Emilio Gambacorta, Annamaria Perna <i>Oxidative stability and antioxidant activity of Italian Holstein and Buffalo yogurt contaminated with Pb</i>	P050
<u>Amalia Simonetti</u> , Giulia Grassi, Carmen Pipolo, Emilio Gambacorta, Annamaria Perna <i>Effect of breed on milk fat quality: comparison between Altamura and Leccese</i>	P051
Margherita Addis, Adriana Di Trana, Ambra Rita Di Rosa, <u>Salvatore Claps</u> , Guido Mangione, Alessio Silvio Dedola, Giuseppe Licitra <i>Fatty acid profile, liposoluble vitamins and antioxidant capacity in three historic cheeses of southern Italy: Piacentinu ennese DOP, Maiorchino e Canestrato di Moliterno IGP</i>	P052
Genciana Terova, Simona Rimoldi, Biagina Chiofalo, Micaela Antonini, Fabio Brambilla, <u>Marco Saroglia</u> <i>Poultry meal in feed for Gilthead seabream (Sparus aurata): results from an "on farm" feeding trial</i>	P053
<u>Sihem Dabbou</u> , Lina Fernanda Pulido Rodríguez, Giulia Secci, Giuseppe Moniello, Giuliana Parisi <i>Quails meat quality as affected by Tenebrio molitor larva meals in feeds</i>	P054

FOOD PRODUCTION AND PROCESSING

<u>Paolo Polidori</u> , Giuseppe Santini, Natalina Cammertoni, Yulia Klimanova, Silvia Vincenzetti <i>The effects of donkey meat cooking processes on vitamins and minerals content</i>	P055
<u>Giulia Secci</u> , Damiano Tanini, Antonella Capperucci, Giuliana Parisi <i>Use of L-ascorbic acid diesters to preserve rabbit meatballs</i>	P056
Michela Contò, Simona Rinaldi, Sebastiana Failla, Gianluca Renzi, <u>Alessandra Crisà</u> <i>Effect of heat treatment on bovine milk in three genetic groups</i>	P057
<u>Marika Di Paolo</u> , Angela Salzano, Raffaele Marrone, Nunzia D'Onofrio, Maria Luisa Balestrieri, Giuseppe Campanile <i>Breeding techniques and post maturation systems on biomolecules content in buffalo meat</i>	P058
<u>Paolo Bani</u> , Giorgia Lovotti, Valentina Ficuciello, Olga Gachiuta <i>Comparison of two lab scale techniques for ensiling whole plant corn</i>	P059

OTHER

<u>Maria Sitzia</u> , Margherita Addis, Marco Cuboni, Carla Manca, Giovanni Molle, Antonio Pullina, Pier Paolo Roggero, Lorenzo Salis <i>The influence of access time to pasture grazing on dairy sheep performance in an organic feeding system</i>	P060
<u>Michele Manoni</u> , Francesca Fumagalli, Alice Luciano, Matteo Ottoboni, Luca Ferrari, Marco Tretola, Luciano Pinotti <i>Effect of salty or sweet food leftover based diets on serum metabolites in piglets</i>	P061
Riccardo Diciotti, <u>Giovanna Chessa</u> , Jacopo Culurgioni, Silvana Manca, Cinzia Podda, Francesco Palmas, Nicola Fois, Andrea Sabatini <i>Farming wild-caught glass eels for habitat restocking in Sardinia</i>	P062
<u>Elias Zgheib</u> , Maria Francesca Guiso, Roberto Rubattu, Anna Nudda, Georges Hassoun <i>Awassi sheep and Baladi goat milk composition in extensive production systems in Lebanon</i>	P063
<u>Rita Rizzi</u> , Silvana Mattiello, Matteo Cattaneo, Piera Anna Martino, Michele Mortarino <i>Effect of queen cell size on acceptance rate and morphometric characteristics of queen honey bees (<i>Apis mellifera</i>)</i>	P064
<u>Maria Longeri</u> , Luisa Zaniboni, Maria Cristina Cozzi, Raffaella Milanese, Alessandro Bagnato <i>Animal Bio Arkivi: establishment of a phenotype and tissue repository for farm animal and pet at the University of Milan</i>	P065
<u>Riccardo Primi</u> , Pier Paolo Danieli, Marco Berni, Veronica Brachino, Paolo Viola, Andrea Amici, Bruno Ronchi <i>Non-invasive acoustic detection of wolf's attack to livestock. Preliminary results of a prototype in two sheep farms</i>	P066
<u>Luisa Zaniboni</u> , Manuela Renna, Achille Schiavone, Silvia Cerolini, Federica Bellagamba, Valentina Bongiorno, Maria Teresa Capucchio, Elio Dinuccio, Ilario Ferrocino, Vittorio Moretti, Daniele Michele Nucera, Sara Bellezza Oddon, Gabriella Tedeschi, Ilaria Biasato, Laura Gasco <i>Circular Economy: Live Larvae recycling Organic Waste for rural Poultry (CELLOW-FeeP)</i>	P067
<u>Maria Rita Mellino</u> , Giuseppe Bee, Pierluigi Caboni, Gianni Battacone <i>Effect of dietary supplementation of olive oil wastewater on gut health and growth performance</i>	P068
<u>Elena Ciani</u> , Maria Favia, Elisabetta Notario, Andrea Gerbino, Ciro Leonardo Pierri, Lorenzo Guerra <i>ATP12A expression in ruminant spermatozoa</i>	P069

<u>Fabio Abeni</u> , Rosanna Marino, Francesca Petrera, Giulia Segati, Andrea Galli, Domenico Carminati <i>Farm silage facilities and their management for spore former prevention</i>	P070
<u>Alessandra Marzano</u> , Grazia Galleri, Silvia Carta, Alberto Alvarez-Barrientos, Anna Nudda <i>Flow cytometry study of blood and milk parameters in dairy ewes supplemented by cocoa husks</i>	P071

Thursday, September 23rd

ANIMAL EFFICIENCY

<p><u>Raffaella Rebucci</u>, Valeria Staurengi, Silvia Giorgi, Alessandro Agazzi, Federica Cheli, Antonella Baldi, Valentino Bontempo <i>Long-term administration of calcium laurate to sows and piglets: effects on growth performance, fecal calprotectin and intestinal status of weaning piglets</i></p>	P072
<p>Serena Tumino, Antonino Di Grigoli, Marcella Avondo, Salvatore Bordonaro, Marialetizia Ponte, Marco Alabiso, Massimo Todaro, <u>Adriana Bonanno</u> <i>Interaction between stearyl-coenzyme A desaturase polymorphism and feeding system in affecting the fatty acid profile of sheep cheese</i></p>	P073
<p><u>Christian Caimi</u>, Giulia Chemello, Sara Bellezza Odon, Manuela Renna, Marino Prearo, Ronald Hardy, Marco Saroglia, Genciana Terova, Iliaria Biasato, Laura Gasco <i>Comparison of growth performance and whole body composition of two strains of Rainbow trout (Oncorhynchus mykiss) juveniles fed different diets</i></p>	P074
<p>Fabio Mina, Gloriana Cardinaletti, Jelka Pleadin, Tanja Segvic, <u>Emilio Tibaldi</u> <i>Growth and fillet composition of gilthead sea bream (S. aurata) after long term feeding fish meal-free diets including poultry by-product meal singly or combined with insect meal</i></p>	P075
<p>Antonello Ledda, Roberto Rubattu, Alessandra Marzano, Antonio Mazza, <u>Antonello Cannas</u> <i>Utilization of solvent extracted cardoon meal in the diet of lactating Sarda dairy ewes</i></p>	P076
<p><u>Raffaella Rebucci</u>, Carlotta Giromini, Simone Fasana, Antonella Baldi, Federica Cheli, Valentino Bontempo <i>Effects of calcium laurate on broiler growth performance and antioxidant intestinal activity</i></p>	P077
<p>Gianluigi Zullo, <u>Mayra Gómez Carpio</u>, Roberta Cimmino, Dario Rossi, Damiano Altieri, Yuri Gombia, Mariela Castrillo, Stefano Biffani <i>A snapshot of functional and reproductive traits of Italian Mediterranean Buffaloes (Bubalus bubalis)</i></p>	P078
<p><u>Matteo Dell'Anno</u>, Valentina Caprarulo, Serena Reggi, Maria Luisa Callegari, Monika Hejna, Luciana Rossi <i>Tributyrin as feed supplement for young animals</i></p>	P079
<p><u>Simone Callegaro</u>, Giovanni Niero, Mauro Penasa, Raffaella Finocchiaro, Guido Invernizzi, Giovanni Savoini, Maurizio Marusi, Martino Cassandro <i>Characterization of feed efficiency in young Holstein bulls</i></p>	P080
<p><u>Elena Boschi</u>, Sara Faggion, Valentina Bonfatti <i>Effects of boar taint compound concentrations on sexual behavior of young boars</i></p>	P081
<p><u>Matteo Cortellari</u>, Matteo Pampuri, Rolando Pasquariello, Paola Crepaldi <i>The effect of an extender inducing sperm capacitation on fertility of Italian dairy cattle: a field experience</i></p>	P082
<p><u>Federico Correa</u>, Paolo Trevisi, Diana Luise, Hiroyuki Ohara, Aude Simongiovanni, Tristan Chalvon-Demersay, Paolo Bosi <i>Effect of sow's diet enriched with Arg and/or BCAA on health and performance of sows and newborn</i></p>	P083
<p><u>Paolo Bosi</u>, Diana Luise, Federico Correa, Paolo Trevisi <i>Evaluation of sow colostrum composition and somatic cell count as indicators of litter characteristics</i></p>	P084
<p><u>Roberto Steri</u>, Alessandra Crisà, Cinzia Marchitelli <i>Genome-Wide Analysis of twinning rate using canonical discriminant analysis</i></p>	P085

<u>Roberto Steri</u> , Alberto Casarani, Manolo Cappelloni, Emanuele Sfrisi, Gianni Battacone, Nicolò Pietro Paolo Macciotta <i>Modelling pig growth curves using daily weight recorded in automatic weighing systems</i>	P086
Angela Salzano, <u>Angela Costa</u> , Francesco Iannaccone, Roberta Cimmino, Massimo De Marchi, Gianluca Neglia <i>Impact of the age at first calving on milk-related performances in Italian Mediterranean Buffaloes</i>	P087
Manolo Cappelloni, <u>Roberto Steri</u> , Alberto Cesarani, Gianni Battacone, Nicolò Pietro Paolo Macciotta, Maurizio Gallo <i>Relationship between temperature-humidity index and growth in pigs</i>	P088
<u>David O. Edache</u> , Maria Angela Porcu, Antonello Ledda, Matteo Sini, Antonio Gallo, Antonello Cannas, Alberto Stanislao Atzori <i>Effects of corn grain of different particle size on sheep feeding behavior and fecal pH</i>	P089

GENETIC VARIABILITY, INBREEDING AND CROSSBREEDING

<u>Giacomo Rovelli</u> , Maria Gracia Luigi Sierra, Simone Ceccobelli, Dailu Guan, Francesco Perini, Fiorella Sbarra, Andrea Quaglia, Francesca Maria Sarti, Marcel Amills Eras, Emiliano Lasagna <i>Signature of selection in specialized and rustic Italian native beef cattle breeds</i>	P090
<u>Giacomo Rovelli</u> , Maria Gracia Luigi Sierra, Simone Ceccobelli, Dailu Guan, Francesco Perini, Fiorella Sbarra, Andrea Quaglia, Francesca Maria Sarti, Lakamy Sylla, Marcel Amills Eras, Emiliano Lasagna <i>A genome wide association analysis for male fertility traits in three Italian beef cattle breeds</i>	P091
<u>Nicolaia Iaffaldano</u> , Giusy Rusco, Stefano Esposito, Emanuele Antenucci, Bruno Testa, Michele Di Iorio <i>Cryobanking of native Mediterranean brown trout semen as a tool for the safeguard of genetic resources</i>	P092
<u>Ahmed Abdelmaged Sabah Mohammed</u> , Carmine Versace, Daniela Gallo, Giustino Gaspa, Gianfranco Cosenza, Alfredo Pauciullo <i>Interspersed repeated elements analysis in Camelus dromedarius CSNIS2 gene</i>	P093
Gianfranco Cosenza, Daniela Gallo, Barbara Auzino, Sara Martorello, Luigi Ramunno, <u>Alfredo Pauciullo</u> <i>Artidactyla retroposons detection at the Mediterranean river buffalo CSNIS2 gene</i>	P094
<u>Nora Laseca</u> , Julia Poyato, Pedro J. Azor, Gabriel Anaya, Mercedes Valera, Antonio Molina, Sebastian Demyda-Peyrás <i>Characterization of the Pura Raza Español Carthusian horse strain after 500 years of close matings using genomic data</i>	P095
Maria Grazia De Iorio, Giulietta Minozzi, Gustavo Gandini, Stefano Biffani, Alessandra Stella, <u>Giulio Pagnacco</u> <i>A conservation strategy for Italian honey bees</i>	P096
Neyrouz Letaief, Sonia Bedhiaf-Romdhani, Wiem Ben Salem, Ahmed Abdelmaged Sabah Mohammed, <u>Alfredo Pauciullo</u> <i>Frequency assessment of casein genes variants in Tunisian dromedary (Camelus dromedarius) population</i>	P097
Pasquale Marmo, Cinzia Marchitelli, Francesco Napolitano, <u>Alessandra Crisà</u> <i>Study of candidate genes for the biosynthesis of prebiotic molecules</i>	P098
<u>Corrado Dimauro</u> , Elisabetta Manca, Alberto Cesarani, Alberto S. Atzori, Attilio Rossoni, Giustino Gaspa, Nicolò P.P. Macciotta <i>Genome-wide association study for residual concentrate intake Italian Brown Swiss calves</i>	P099

<u>Stefano Biffani</u> , Alberto Cesarani, Alessio Negro, Matteo Cortellari, Silverio Grande, Paola Crepaldi, Nicolo Macciotta <i>Application of single-step GBLUP in Italian Comisana sheep</i>	P100
<u>Emanuele D'Anza</u> , Barbara Auzino, Mariagiulia Pugliano, Sara Albarella, Francesca Ciotola, Tiziana Galli, Giorgio Saralli, Remo Rosati, Gianfranco Cosenza, Vincenzo Peretti <i>Genetic structure at CSN1S1, CSN2 and CSN1S2 loci of four autochthonous goat breed reared in Lazio and Campania regions</i>	P101
Stefano Paolo Marelli, Manuela Madeddu, Luisa Zaniboni, Maria Giuseppina Strillacci, <u>Silvia Cerolini</u> <i>Breeders' management in a heritage breeds' rabbitry</i>	P102
<u>Giovanna Salvatore</u> , Valentino Palombo, Elena De Zio, Lucia Maiuro, Giusy Rusco, Michele Di Iorio, Stefano Esposito, Nicolaia Iaffaldano, Mariasilvia D'Andrea <i>A machine learning approach for the identification of population-informative markers from trout genotyping data</i>	P103
<u>Valentino Palombo</u> , Giovanna Salvatore, Gianluca Albanese, Massimo Iorizzo, Giusy Rusco, Michele Di Iorio, Stefano Esposito, Nicolaia Iaffaldano, Mariasilvia D'Andrea <i>Genetic biodiversity study in Mediterranean trout population using SNP array: a case study in Molise region</i>	P104
<u>Chiraz Ziadi</u> , Alberto Menéndez-Buxadera, Manuel Sánchez, Eva Muñoz-Mejías, Rocío Jiménez-Granado, María Dolores López, Antonio Molina <i>Relationship between somatic cell score and milk production in Spanish Florida goats</i>	P105
Stefano Paolo Marelli, <u>Rita Rizzi</u> , Maria Giuseppina Strillacci, Alessandra Paganelli, Mara Bagardi, Paola Giuseppina Brambilla, Michele Polli <i>Genotypic and allelic frequency of CEA (Collie Eye Anomaly) gene in dogs in Italy</i>	P106
Antonio Granero, Gabriel Anaya, Sebastián Demyda, <u>Nora Laseca</u> , María Jesús Alcalde, Molina Alcalá <i>Genomic characterization of the Spanish Merino Sheep and situation of the mains historical genetics lines</i>	P107
<u>Alessio Negro</u> , Matteo Cortellari, Arianna Bionda, Stefano Frattini, Stefano Biffani, Silverio Grande, Paola Crepaldi <i>Genomic tools to support breed assignment in small ruminants</i>	P108
<u>Giuseppina Schiavo</u> , Samuele Bovo, Anisa Ribani, Valerio Joe Utzeri, Enrico Mancin, Roberto Mantovani, Stefania Dall'Olio, Luca Fontanesi <i>Genomic inbreeding parameters in the autochthonous Reggiana and Modenese cattle breeds</i>	P109
Andrea Giontella, Samira Giovannini, <u>Maurizio Silvestrelli</u> , Camillo Pieramati, Francesca Maria Sarti <i>Linear evaluation in Maremmano horse breeding value estimation</i>	P110
<u>Samuele Bovo</u> , Giuseppina Schiavo, Hamed Kazemi, Giulia Moscatelli, Anisa Ribani, Mohamad Ballan, Stefania Dall'Olio, Luca Fontanesi <i>Genome wide association studies for several morphological traits and defects in the Reggiana cattle breed</i>	P111
<u>Stefania Dall'Olio</u> , Giuseppina Schiavo, Samuele Bovo, Luca Fontanesi <i>Milk protein gene variability in Reggiana and Modenese cattle breeds</i>	P112
Giulia Moscatelli, Giuseppina Schiavo, Samuele Bovo, Anisa Ribani, Stefania Dall'Olio, Francesca Bertolini, <u>Luca Fontanesi</u> <i>Comparing signatures of selection in Reggiana and Modenese cattle breed</i>	P113
Mohamad Ballan, Samuele Bovo, Giuseppina Schiavo, Michele Schiavitto, Riccardo Negrini, <u>Luca Fontanesi</u> <i>Analysis of genetic diversity and signature of selection in commercial and fancy rabbit breeds</i>	P114

Anisa Ribani, Valerio Utzeri, Valeria Taurisano, Despoina Karatosidi, <u>Luca Fontanesi</u> <i>Variability in genes affecting morphological traits in the Greek black pig breed and conservation of this genetic resource</i>	P115
Valerio Joe Utzeri, Anisa Ribani, Valeria Taurisano, Carles Hernández i Banqué, <u>Luca Fontanesi</u> <i>A map of the distribution of Apis mellifera mitochondrial DNA lineages in Italy</i>	P116
<u>Samuele Bovo</u> , Anisa Ribani, Valerio Utzeri, Luca Fontanesi <i>Mining shotgun sequencing of honey DNA to identify Apis mellifera genome variability</i>	P117
Samuele Bovo, Giuseppina Schiavo, <u>Luca Fontanesi</u> <i>PigPhenomics: metabolomics merged with genomics to develop novel breeding and selection approaches in pigs</i>	P118
Valeria Taurisano, Valerio Joe Utzeri, Anisa Ribani, Giovanni Formato, <u>Luca Fontanesi</u> <i>Comparing morphometric data and mitotype information for the identification of Apis mellifera subspecies</i>	P119
Francesca Bertolini, Anisa Ribani, Fabrizio Capoccioni, Luca Buttazoni, Valerio Joe Utzeri, Samuele Bovo, Giuseppina Schiavo, Massimo Caggiano, Max F. Rothschild, <u>Luca Fontanesi</u> <i>Whole genome sequencing analyses identified genomic regions affecting genetic defects in cultivated gilthead seabream (Sparus aurata)</i>	P120
<u>Maria Giuseppina Strillacci</u> , Cristina Tognoli, Chiara Punturiero, Simone Mazzola, Francesca Bernini, Marica Tonial, Raffaella Milanese, Stefano Paolo Marelli, Alessandro Bagnato <i>A genomic approach for herd management – the GENORIP project</i>	P121
<u>Roberta Ciampolini</u> , Laurence Flori, Gabriele Senczuk, Salvatore Mastrangelo, Martino Cassandro, Fabio Pilla <i>Genomic analyses for adaptation of Italian cattle breeds: preliminary results. The BOVITA project</i>	P122
Damiano Altieri, Yuri Gombia, Tommaso Lanna, Donato Musone, Laura Onnis, Mariela Castrillo, Roberta Cimmino, Massimo Neri, Pasquale Rossi, <u>Rossella Di Palo</u> <i>Type trait evolution of the Italian Mediterranean Buffalo: preliminary results of the last 15 year selection</i>	P123

PRECISION LIVESTOCK FARMING

Valentina Baronti, Laura Menchetti, Davide Montagnini, Martina Zappaterra, Leonardo Nanni Costa, <u>Barbara Padalino</u> <i>Evaluation of a collar monitoring activity and rumination for detecting estrus and health issues in an organic dairy farm</i>	P124
<u>Federico Tomasello</u> , Marta Pollesel, Elisabetta Mondo, Federica Giacometti, Andrea Serraino, Silvia Piva <i>Effects of precision diagnostics on mastitis control</i>	P125
Gianluigi Paolillo, Elena Casiraghi, Alessandro Petrini, Maria Grazia De Iorio, Stefano Biffani, <u>Giulietta Minozzi</u> , Alessandra Stella, Giorgio Valentini <i>A bioinformatic pipeline for image analysis of Varroa related traits in honeybees comb images</i>	P126
<u>Cristina Bergamin</u> , Sara Carè, Luciano Migliorati, Giacomo Pirlo <i>LATTE DIGITALE (digital milk) and environmental sustainability</i>	P127
<u>Stefano Cossa</u> , Aldo Calcante, Roberto Oberti, Anna Sandrucci <i>Monitoring calf body temperature by infrared thermography: preliminary assessment of environmental effects</i>	P128
<u>Rosanna Marino</u> , Mariantonietta Richichi, Giuliano Borriello, Francesca Petrerà, Fabio Abeni <i>A bibliometric analysis in Precision Livestock Farming</i>	P129

<u>Anna Antonella Spina</u> , Nicola Pelle, Mario Dipasquale, Anselmo Poerio, Marcello Marotta, Valeria Maria Morittu <i>Particle size distribution of total mixed rations and feed sorting in Calabrian dairy herds</i>	P131
<u>Giovanni Buonaiuto</u> , Francesca Ghiaccio, Damiano Cavallini, Alberto Palmonari, Ludovica Mammi, Luca Campidonico, Giorgia Canestrari, Giulio Visentin, Andrea Formigoni <i>NIRs calibration model for chemical composition and digestibility of total mixed rations for Parmigiano Reggiano ration</i>	P132
Alberto Cesarani, <u>Roberto Steri</u> , Manolo Cappelloni, Emanuele Sfrisi, Nicolo' Pietro Paolo Macciotta, Gianni Battacone <i>Analysis of feeding behaviour in pigs fed ad libitum in an automatic management system</i>	P133
<u>Francesca Petrerà</u> , Francesca Capasso, Fabio Luzi, Alfonso Zecconi, Rosanna Marino, Fabio Abeni, Veronica Redaelli <i>Relationship between udder termography and milking features in dairy cows</i>	P134

OMICS TECHNOLOGIES

Paola Cremonesi, Filippo Biscarini, Vincenzo Lopreiato, Luca Nunziata, Giulia Gislon, Stefano Morandi, Giuseppina Avvantaggiato, Donato Greco, Vito D'Ascanio, Federica Turri, Giovanna Battelli, Erminio Trevisi, Milena Brasca, <u>Bianca Castiglioni</u> <i>Influence of mycotoxin detoxifying agents in animal feed on rumen and hindgut microbiomes of dairy cows</i>	P135
<u>Paola Cremonesi</u> , Filippo Biscarini, Fiorenzo Piccioli-Cappelli, Erminio Trevisi, Giorgia Lovotti, Stefano Morandi, Bianca Castiglioni, Simona Tringali, Giovanna Battelli, Milena Brasca <i>Effect of Aloe arborescens supplementation in dry cows on rumen and hindgut microbiomes</i>	P136
<u>Diana Luise</u> , Alice Checcucci, Federico Correa, Paolo Bosi, Paola Mattarelli, Paolo Trevisi <i>Insights into the faecal microbial phenotyping of pig using a Biolog EcoplateTM method</i>	P137
<u>Leonardo Bruni</u> , Vesna Milanović, Lucia Aquilanti, Giuliana Parisi <i>Effect of diets containing Hermetia illucens on rainbow trout microbiota: DGGE and NGS approaches</i>	P138
<u>Maria Federica Sgarro</u> , Pasquale De Palo, Aristide Maggiolino, Francesca Rita Dinardo, Massimo Ferrara, Giuseppina Mulè <i>Anthocyanins dietary supplementation in lambs: effects on gut microbiome</i>	P139
Giorgio Brugaletta, Luca Laghi, Marco Zampiga, Basharat Syed, Luis Valenzuela, <u>Federico Sirri</u> <i>Multi-Omics Approach to Assess the Effects of a Dual Mode Synbiotic Supplementation on Gut Health and Performance of Broiler Chickens</i>	P140
<u>Marco Milanese</u> , Danilo Pignotti, Daniele Pietrucci, Sandy Sgorlon, Mariasilvia D'Andrea, Bruno Stefanon, Paolo Ajmone Marsan, Alessio Valentini, Stelios Arhondakis, Giovanni Chillemi <i>Assessment of transcriptional activity within isochores in healthy and subclinical cattle</i>	P141
<u>Johanna Ramirez Diaz</u> , Marco Milanessi, Matilde Passamonti, Mario Barbato, Valeria Bornaghi, Graziella Bongioni, Silvia Cenadelli, Marina Montedoro, Alessandro Achilli, Cristian Capelli, Paolo Ajmone Marsan <i>Genome-wide association for semen quality traits in Italian Holstein Bulls</i>	P142

<u>Katia Cappelli</u> , Samanta Mecocci, Flavia Ferlisi, Massimo Trabalza-Marinucci, Margherita Maranesi, Massimo Zerani, Alessandro Dal Bosco, Gabriele Acuti <i>Dietary supplementation with a polyphenolic extract from olive mill wastewater: evaluation of the potential effects on hepatic metabolism in rabbits through a RTqPCR approach</i>	P143
<u>Alessia Staropoli</u> , Anastasia Vassetti, Anna Balestrieri, Luigi Esposito, Gianluigi Zullo, Dario Rossi, Francesco Vinale <i>Influence of green forage on metabolomic characteristics of buffalo milk</i>	P144
<u>Giulia Gaudioso</u> , Giulia Marzorati, Filippo Faccenda, Tobias Weil, Fernando Lunelli, Gloriana Cardinaletti, Giovanna Marino, Ike Olivotto, Giuliana Parisi, Emilio Tibaldi, Kieran Michael Tuohy, Francesca Fava <i>Insect meal and Poultry by-products as innovative ingredients for rainbow trout feed: impact on intestinal microbiota and gut health</i>	P145
Alessia Luciani, Paolo Emidio Crisi, Paraskevi Prasinou, Chrysostomos Chatgililoglu, Beatrice Di Palma, Marco Spagnolo, Alessandro Gramenzi, <u>Isa Fusaro</u> , Andrea Boari <i>Erythrocyte membrane lipidome profile of heifers during the transition period: a preliminary study</i>	P146
Giovanni Cosso, Luisa Pulinas, Sebastiano Luridiana, <u>Vincenzo Carcangiu</u> , Maria Consuelo Mura <i>Effects of the MTNRIA gene polymorphism and month of ram introduction on reproductive recovery in Sarda sheep</i>	P147

COMPANION ANIMALS AND SOCIETY

<u>Gerardo Siani</u> , Giada Morelli, Davide Stefanutti, Rebecca Ricci <i>Nutritional management with a soy byproduct of multiple acquired extrahepatic portosystemic shunts with hepatic encephalopathy in a dog</i>	P148
Valeria Gabriele, Vittorio Saettone, Elisa Scarsella, Misa Sandri, Bruno Stefanon, <u>Giorgia Meineri</u> <i>Effects of Saccharomyces boulardii supplementation in breeding adult dogs</i>	P149
<u>Matteo Cortellari</u> , Arianna Bionda, Stefano Frattini, Andrea Talenti, Alessio Negro, Luigi Liotta, Paola Crepaldi <i>Runs of Homozygosity in 21 Italian dog populations</i>	P150
<u>Arianna Bionda</u> , Matteo Cortellari, Alessio Negro, Stefano Frattini, Andrea Talenti, Sara Sechi, Marco Zedda, Luigi Liotta, Raffaella Cocco, Paola Crepaldi <i>Fonni's dog: genetic variability and relationship with other breeds</i>	P151
Marco Isidori, <u>Massimo Trabalza-Marinucci</u> , Fabrizio Rueca, Katia Cappelli, Elvio Lepri, Samanta Mecocci, Gabriele Scattini, Luisa Pascucci <i>Ascophyllum nodosum-derived fucoidan modulates the intestinal expression of immune-inflammatory genes in a biopsy model of canine chronic enteropathy</i>	P152
<u>Biagina Chiofalo</u> , Marianna Oteri, Salvatore Cucinotta, Pietro Lombardi, Ambra Rita Di Rosa <i>Biochemical parameters, oxidative stress and inflammatory status in English Pointers fed a citrus molasses-supplemented diet</i>	P153

BEYOND FOOD: NON-MARKET BENEFITS OF LIVESTOCK SYSTEMS

Davide Pasut, Giuliano Menegazzi, Letizia Filippini, <u>Luca Battaglini</u> <i>Entrepreneurial horizons and sustainability of mountain livestock farming: the case of Lessinia (NE Italian Pre-Alps)</i>	P154
<u>Riccardo Primi</u> , Carlo Maria Rossi, Bruno Ronchi, Pier Paolo Danieli <i>Soil erosion patterns in Alpine and Apennine extensive farming system</i>	P155

MONITORING IMPACTS ON ENVIRONMENT

Paola Sau, Alberto Stanislao Atzori, <u>Mondina Francesca Lunesu</u> , Antonello Ledda, Francesco Lai, Roberto Rubattu, Antonio Fenu, Antonio Mazza, Fabio Correddu, Antonello Cannas <i>Life Cycle Impact Assessment of different forage production system</i>	P156
Pierpaolo Danieli, Maria Stella Ranieri, Francesco Barbarese, Roberto Bedini, <u>Filippo Lazzari</u> <i>Precision beekeeping systems as promising tools for the agro-environmental monitoring</i>	P157
Alessandro Vastolo, Monica Isabella Cutrignelli, <u>Serena Calabrò</u> <i>Nutritive value, in vitro fermentation kinetics, and methane production of hay produced in the internal area of Southern Italy</i>	P158
Elio Romano, Rocco Roma, Flavio Tidona, Giorgio Giraffa, <u>Andrea Bragaglio</u> <i>Life Cycle Assessment (LCA) and dairy cattle. A new perspective of allocation criterion</i>	P159
Emilio Simonetti, <u>Emanuele Bianco</u> , Cristiana Guerranti, Renzi Monia, Antonio Terlizzi, Simona Rainis <i>Experimental activities for the drafting of guidelines aimed at a sustainable exploitation of Chamelea Gallina resource (L., 1758)</i>	P160
Simona Rainis, Michele Fabro, Renato Danielis, Rosario Raso, Gaia Dorigo, Alessandra Carnio, Maurizia Sigura, Francesco Lami, <u>Marco Vuerich</u> , Francesco Boscutti <i>Effectiveness of cover crops for supporting biodiversity and agronomic and ecosystem services in agricultural and rural landscapes</i>	P161
<u>Andrea Bragaglio</u> , Josep Subirana i Jové, Jose Leonardo Montúfar Cárdenas, Danilo Rodríguez Rodas, Corrado Pacelli, Ada Braghieri, Pasquale De Palo, Fabio Napolitano <i>The environmental impact of draught horses in Guatemala as assessed through Life Cycle Assessment</i>	P162
<u>Lorenzo Degano</u> , Daniele Vicario, Alberto Romanzin, Alberto Cesarani, Roberto Mantovani <i>Heritability of Residual Feed Intake measured on young performance tested bulls belonging to Italian dual-purpose breeds</i>	P163

STRATEGIES FOR IMPACTS MITIGATION

Giuseppa Di Bella, Federica Litrenta, Antonio Macrì, Laura Messina, Vincenzo Nava, Arianna Bionda, <u>Luigi Liotta</u> <i>Residual biomass from the oil sector as animal feed: preliminary data on chemical and microbiological contamination</i>	P164
<u>Alice Cappucci</u> , Alberto Mantino, Simona Bosco, Iride Volpi, Eleonora Longo, Giorgio Ragaglini, Enrico Bonari, Giuseppe Conte <i>Introduction of innovative strategies in dairy sheep feeding on milk production and climate change</i>	P165

<u> Davide Biagini</u> , Carla Lazzaroni <i>Vermicompost from animal manure: characteristics and environmental impact</i>	P166
<u> Francesca Fumagalli</u> , Michele Manoni, Nicoletta Rovere, Sharon Mazzoleni, Federica Cheli, Cristian Edoardo Maria Bernardi, Luciano Pinotti <i>Salad crops leftover as feed ingredient for ruminant diets: nutrients content and microbiological quality</i>	P167

SENSORY AND INSTRUMENTAL ORGANOLEPTIC PROPERTIES

<u> Alberto Brugiapaglia</u> , Alfredo Pauciullo, Giustino Gaspa, Sara Bellezza Oddon <i>Mechanical strength of myofibrillar and connective tissue of Italian Mediterranean Buffalo meat</i>	P168
Domitilla Pulcini, Fabrizio Capoccioni, Simone Franceschini, Marco Martinoli, <u> Giulia Secci</u> , Andrea Perugini, Filippo Faccenda, Emilio Tibaldi, Giuliana Parisi <i>Muscle pigmentation in rainbow trout fed novel protein sources from microalgae and crustaceans: the image analysis approach</i>	P169

FOOD LABELLING AND VALORIZATION

Giuliano Grasso, Gerardo Gabriele Volpone, Giovanna Martelli, Luca Sardi, <u> Eleonora Nannoni</u> <i>Using Blockchain for animal welfare labelling: a case-study on dairy products</i>	P170
<u> Pier Paolo Danieli</u> , Riccardo Primi, Andrea Palomba, Bruno Ronchi <i>A labelling scheme to communicate the health values and environmental sustainability of meat and milk from extensive farming</i>	P171
Annalaura Lopez, <u> Federica Bellagamba</u> , Giovanni Savoini, Vittorio Maria Moretti, Donata Maria Iolanda Renata Cattaneo <i>Characterization of mountain cheese from cows fed Alpine pasture grass by fatty acids composition and multivariate analysis</i>	P172
Vincenzo Chiofalo, Ambra Di Rosa, Margherita Addis, Adriana Di Trana, Antonino Di Grigoli, <u> Salvatore Claps</u> , Giovanni Quaranta, Valeria Maria Morittu ⁽⁸⁾ , Antonio Pirisi, Massimo Todaro, Giuseppe Licitra <i>Nutritional profile of Ager cheese selection</i>	P173
Andrea Zandrini, Valentina Carta, Virginia Filippello, Laura Ragni, Elena Cosciani-Cunico, Barbara Bertasi, Niccolò Franceschi, <u> Paolo Ajmone-Marsan</u> , Dario De Medici, Marina Nadia Losio <i>Evaluation of LAMP amplification and short enrichment time for the detection of pathogens in food</i>	P174