



Poster presentations 12th and 13th June 2019

Wednesday 12th June 2019 (P001 - P050 and P130 - P156)

ANIMAL BREEDING AND GENOMICS

Ali Zidi, Tania Bobbo, Mauro Penasa, Martino Cassandro

Estimated breeding values of differential somatic cell count in Italian Holsteins.....P001

Alice Cartoni Mancinelli, Andrea Aliberti, Simona Mattioli, Elisa Cotozzolo, Monica Guarino Amato, Alessandro Dal Bosco, Cesare Castellini

Preliminary results of survey on native poultry breeds in centre Italy.....P002

Emanuela Sannino, Daniela Criscuolo, Bianca Cecere, Marialuisa Buonanno, Vincenzo Caligiuri, Giovanna Fusco, Giorgio Galiero, Giorgia Borriello

Application of genetic selection for ovine PrP resistance alleles in southern Italy.....P003

Fiorella Sbarra, Andrea Quaglia, Matteo Ridolfi, Giovanni Bittante, Roberto Mantovani

Genetics of some maternal ability traits in the Italian beef cattle.....P004

Francesco Perini, Emiliano Lasagna, Martino Cassandro

Project preview on genetic characterisation of Italian local chicken populations using a high density SNP's chip.....P005

Gabriele Carlino, Giovanni Niero, Filippo Cendron, Raffaella Finocchiaro, Emilio Olzi, Fabio Omodei Zorini, Guido Invernizzi, Martino Cassandro

Feasibility of near infrared spectroscopy to predict faecal composition in Italian Holstein Friesian cattle.....P006

Giacomo Rovelli, Andrea Quaglia, Simone Ceccobelli, Emiliano Lasagna, Matteo Ridolfi, Roberta Guarcini, Francesca Maria Sarti

The new visual assessment scoring system in the Italian beef cattle breeds.....P007

Giacomo Rovelli, Martina Torricelli, Carla Sebastiani, Marcella Ciullo, Simone Ceccobelli, Barbara Chiappini, Gabriele Vaccari, Emiliano Lasagna, Francesca Maria Sarti, Massimo Biagetti

Genotypic and allelic frequencies of PRNP gene polymorphisms in goat populations reared in central and South Italy.....P008



Gianfranco Cosenza, Daniela Gallo, Marco Iannaccone, Giuseppe Martino, Barbara Auzino, Alfredo Pauciullo

*Sequence analysis and genetic variability of Mediterranean river buffalo Prolactin gene (PRL)...*P009

Gianfranco Cosenza, Daniela Gallo, Marco Iannaccone, Luigi Ramunno, Alfredo Pauciullo
*Genetic variation of β -lactoglobulin (BLG) gene and association studies with milk traits in Mediterranean river buffalo.....*P010

Mario Barbato, Michael P. Reichel, Matilde Passamonti, Wai Yee Low, Licia Colli, Rick Tearle, John L. Williams, Paolo Ajmone Marsan
*Hong Kong feral cattle: a distinct genetic pool?.....*P011

Licia Colli, Marcello Del Corvo, Mario Barbato, Elisa Eufemi, Ivano Catellani, Massimo Bonacini, Roberto Motti, Marco Prandi, Paolo Ajmone-Marsan
*Genomic insights into the recent history of the Rossa Reggiana cattle breed.....*P012

Francesca Bertolini, Anisa Ribani, Fabrizio Capoccioni, Luca Buttazzoni, Valerio Joe Utzeri, Samuele Bovo, Massimo Caggiano, Luca Fontanesi, Max Frederick Rothschild
*Whole genome resequencing analyses in gilthead seabream (*Sparus aurata*) identify a major locus determining a coloration defect.....*P013

Giuseppina Schiavo, Samuele Bovo, Stefania Dall'Olio, Leonardo Nanni Costa, Silvia Tinarelli, Maurizio Gallo, Francesca Bertolini, Luca Fontanesi
*Comparative evaluation of genomic inbreeding parameters in Italian pig breeds.....*P014

Giuseppina Schiavo, Stefania Dall'Olio, Hamed Kazemi, Silvia Tinarelli, Anisa Ribani, Giulia Moscatelli, Paolo Zambonelli, Maurizio Gallo, Luca Fontanesi
*Genome wide association studies for teat number and related parameters in Italian heavy pigs.....*P015

Valerio Joe Utzeri, Anisa Ribani, Luca Fontanesi
*Dispersion of *Apis mellifera* subspecies in the Emilia Romagna region (North of Italy) estimated using honey DNA analysis.....*P016

Francesca Bertolini, Giuseppina Schiavo, Salvatore Mastrangelo, Samuele Bovo, Hamed Kazemi, Stefania Dall'Olio, Baldassare Portolano, Luca Fontanesi
*Selection signature analyses identify genomic regions highlighting the traditional role of the autochthonous Reggiana cattle breed in the Parmigiano Reggiano cheese production system...*P017

Marco Iannaccone, Gianfranco Cosenza, Alfredo Pauciullo, Camillo Martino, Andrea Ianni, Giuseppe Martino



- Water buffalo (Bubalus bubalis) susceptibility to bovine tuberculosis is influenced by g.4002C>T polymorphism in interleukin-10 gene.....P018*
- Marita Georgia Riccardi, Sara Iannella, Rubina Paradiso, Roberta Pellicanò, Roberta Brunetti, Loredana Baldi, Giovanna Fusco, Giorgio Galiero, Giorgia Borriello
Validation of a 14 STRs panel for parentage analysis in water buffalo.....P019
- Roberta Davoli, Martina Zappaterra, Anna Maria Belmonte, Giovanna Minelli, Paolo Macchioni, Paolo Zambonelli
Investigation on muscle fatty acid composition in Italian Large White pigs and association study with ACACA, ACLY, SCD and FASN genes.....P020
- Michela Ablondi, Valentino Beretti, Marica Simoni, Federico Righi, Paola Superchi, Alberto Sabbioni
Body weight estimation from linear measures in Cornigliese sheep breed.....P021
- Nicolaia Iaffaldano, Elena De Zio, Valentino Palombo, Giusy Rusco, Michele Di Iorio, Maurizio Penserini, Stefano Esposito, Pierpaolo Gibertoni, Mariasilvia D'Andrea
Biodiversity in local population of Mediterranean trout in Molise.....P022
- Rosalia Di Gerlando, Salvatore Mastrangelo, Maria Teresa Sardina, Baldassare Portolano, Roberta Ciampolini
Identification of Copy Number Variants in Braque Français type Pyrénées"dog using CanineHD array.....P023
- Salvatore Mastrangelo, Gianluca Sottile, Maria Teresa Sardina, Anna Maria Sutera, Marco Tolone, Rosalia Di Gerlando, Baldassare Portolano
Genome-wide analysis identifies a new potential candidate marker associated with the coat color sidedness in Cinisara cattle breed.....P024
- Salvatore Mastrangelo, Rosalia Di Gerlando, Maria Teresa Sardina, Anna Maria Sutera, Marco Tolone, Paola Crepaldi, Baldassare Portolano
Genome-wide characterization of runs of homozygosity and estimation of genomic inbreeding in Sicilian goat breeds.....P025
- Sara Albarella, Emanuele D'Anza, Giacomo Galdiero, Bianca Gasparrini, Luca Ferretti, Francesca Ciotola, Vincenzo Peretti
GDF9 and BMP15 genes sequence analyses in Mediterranean Italian River Buffalo.....P026
- Simone Ceccobelli, Emiliano Lasagna, Daniele Rosellini, Francesca Maria Sarti
Molecular traceability of food products obtained from a local goat population in Umbria region.....P027



Stefania Chessa, Stefano Gattolin, Raffaella Finocchiaro, Jan-Thijs Van Kaam, Maurizio Marusi, Giorgio Civati

Beta-casein A2 variant: is the frequency changing in Holstein cattle?.....P028

Valentino Palombo, Giovanna Salvatore, Antonio De Cristofaro, Mariasilvia D'Andrea

Phenotypic traits correlation for hygienic behaviour in Apis mellifera ligustica.....P029

Valentino Palombo, Giustino Gaspa, Giuseppe Conte, Nicola Macciotta, Marcello Mele, Fabio Pilla, Silverio Grande, Mariasilvia D'Andrea

Multivariate Factor Analysis of milk fatty acids profile for GWAS analysis in Comisana sheep breed.....P030

Chiara Vischioni, Marco Ricci, Cristian Taccioli

Association between transposable elements activity and genetic diversity in domesticated ungulates.....P031

Matteo Cortellari, Ferdinando Galluzzo, Alessio Negro, Andrea Talenti, Stefano Frattini, Salvatore Mastrangelo, Giulietta Minozzi, Fabio Pilla, Giulio Pagnacco, Paola Crepaldi

Cabannina: genomic characterization of a local Italian Breed.....P032

Edo D'Agaro, Andrea Favaro, Stefano Matiussi, Tea Ivancic, Natalia Akentieva

Metagenomic analysis of water bacteria communities in South Adriatic Sea (Kornati islands, Croatia).....P033

Donato De Nicola, Roberta Cimmino, Angela Salzano, Francesco Iannaccone, Luca De Luise, Anna Balestrieri, Gianluca Neglia

Utilization of progesterone-based treatments on anoestrus in Mediterranean buffalo.....P034

Emanuele D'Anza, Sara Albarella, Giacomo Galdiero, Raffaella Tudisco, Federico Infascelli, Vincenzo Peretti, Francesca Ciotola

Effects of feed supplementation with galactogogue and immunomodulator phytocomplexes on chromosome stability in Cilentana goat: preliminary results.....P035

Nadia Guzzo, Enrico Mancin, Cristina Sartori, Roberto Mantovani

Genetics of somatic cells in autochthonous dual-purpose breeds.....P036

Luca Parma, Antonio Casalini, Pietro Emmanuele, Niccolò Guercilena, Pier Paolo Gatta, Alessio Bonaldo, Oliviero Mordenti

Influence of food type on the reproductive performance of Octopus vulgaris kept in captivity.....P037



- Niccolò Franceschi, Matteo Komjanc, Heidi C. Hauffe, Roberto Mantovani, Enrico Mancin, Paolo Ajmone-Marsan
Genetic investigation of Rendena cattle biodiversity and evolutionary history.....P038
- Elisa Somenzi, Paolo Ajmone-Marsan, Mario Barbato
Identification of a low-density SNP panel to evaluate hybridization between feral and domestic sheep.....P039
- Elisa Somenzi, Mario Barbato, Jody L. Edmunds, Pablo Orozco-terWengel, Paolo Ajmone-Marsan
Molecular diversity of sheep breeds from the United Kingdom.....P040
- Mario Barbato, Pablo Orozco-terWengel, Paolo Ajmone-Marsa, Michael W. Bruford
Selection signatures in feral and domestic Sardinian sheep.....P041
- Alessandra Crisà, Roberto Steri, Gennaro Catillo, AdaptMap Consortium
Canonical discriminant analysis to analyze goat breed diversity at alpha-s1-casein (CSN1S1) locus.....P042
- Stefano Sartore, Dominga Soglia, Roberto Rasero, Sandra Maione, Stefania Chessa, Paola Sacchi
Re-sequencing of genes related to mastitis resistance in dairy cows.....P043
- Stefano Sartore, Dominga Soglia, Sandra Maione Sihem Dabbou, Marta Gariglio, Paola Sacchi, Roberto Rasero, Cecilia Mugnai, Laura Gasco, Francesco Gai, Achille Schiavone
Genetic diversity, productive and reproductive performance in Italian chicken breed Bianca di Saluzzo.....P044
- Dominga Soglia, Stefano Sartore, Sandra Maione, Marta Gariglio, Paola Sacchi, Roberto Rasero, Cecilia Mugnai, Laura Gasco, Francesco Gai, Achille Schiavone, Sihem Dabbou
Genetic diversity, productive and reproductive performance in Italian chicken breed Bionda Piemontese.....P045
- Stefania Chessa, Moemia Portela, Antonio Boccardo, Davide Pravettoni, Arlindo A. Moura, Stefano Biffani, Filippo Biscarini
Dynamic profile of active metabolic pathways in the subcutaneous fat tissue of Holstein cows during early lactation.....P046
- Stefania Dall'Olio, Giuseppina Schiavo, Maurizio Gallo, Luca Buttazoni, Luca Fontanesi
Several hundred single nucleotide polymorphisms in candidate genes: association with six production, carcass, and meat quality traits in Italian Large White pigs.....P047



Stefano Biffani, Roberta Cimmino, Massimo Neri, Giacomo Bertolini, Mariela Castrillo, Luca Gubitosi, Dario Rossi, Mauro Fioretti
Heritability and Correlations Among milk yield, Body Condition Score and type traits in the Italian Mediterranean Buffaloes (bubalus bubalis).....P048

Stefano Capomaccio, Gianpiero Marconi, Emidio Albertini, Maurizio Silvestrelli, Katia Cappelli
Evaluation of the methylation extent in horses during training with MCS_{Ed}, a new method for detecting epigenetic changes.....P049

Stefano Paolo Marelli, Emanuela Bassetti, Rita Rizzi
Demography, inbreeding and breeders' management in Italian Weimaraner (Canis familiaris) population.....P050

ENVIRONMENTAL SUSTAINABILITY

Davide Biagini, Carla Lazzaroni
Use of different models to estimate phosphorus excretion in heavy pig.....P130

Gustavo Adolfo María Levrino, Virginia Resconi, Michel Fernández-Bautista, José Luis Olleta, Begoña Asenjo, Genaro Miranda de la Lama
Use of non-medicated feed with the addition of pomegranate seed extract in commercial rabbit fattening.....P131

Massimo De Marchi, Carmen L. Manuelian, Mauro Penasa
Organic livestock production: a bibliometric analysis.....P132

Monika Hejna, Alessandra Moscatelli, Elisabetta Onelli, Diego De Nisi, Salvatore Pilu, Antonella Baldi, Luciana Rossi
Role of zinc and copper in the intensive swine production systems.....P133

Stefania Celozzi, Jacopo Bacenetti, Maddalena Zucali, Giulia Gislón, Daniela Lovarelli, Anna Sandrucci, Alberto Tamburini, Luciana Bava
Environmental impact assessment of goat milk production.....P134

Federico Froidi, Marco Trevisan, Francesco Masoero, Lucrezia Lamastra, Maurizio Moschini
LIFE TTGG: improving the supply chain efficiency of European hard or semi hard PDO cheeses by development of an Environmental Decision Supporting System (EDSS) for Product Environmental Footprint (PEF) assessment.....P135

Süleyman Bekcan, Ali İnal, Emre Can Kaya, Giuliana Parisi, Hijran Yavuzcan Yıldız



Mineral nutrient content of tomato plants in the aquaponics system as affected by the fish density.....P136

Maria Gabriella Serra, Pasquale Arca, Mondina Francesca Lunesu, Salvatore Contini, Mauro Decandia, Giovanni Molle, Antonello Franca, Enrico Vagnoni, Pierpaolo Duce, Alberto Stanislao Atzori

SheepToShip LIFE - looking for an eco-sustainable sheep supply chain: preliminary results on the sustainability of dairy sheep diet.....P137

Stefano Tersigni, Colomba Sermoneta, Pier Paolo Danieli

Water use of livestock production system in Italy.....P138

Riccardo Primi, Antonio Fagiolo, Carlo Maria Rossi, Stefano Ripert, Pier Paolo Danieli, Bruno Ronchi
Trend in land use and land cover change in Mediterranean rangelands: the case of Campo di Segni, Lepini Mountains (Central Italy).....P139

Sara Carè, Giacomo Pirlo, Luciano Migliorati

Does the application of BEEF CARBON strategies reduce the carbon footprint? Results of the first year of activity.....P140

Zuzana Palkovičová, Jan Brouček, Igor Bôžik, Rastislav Jurčík Anton Hanus

Influence of zeolite on ammonia concentrations, gains and mortality of animals in piglet housing.....P141

LIVESTOCK SYSTEMS

Giuseppe Pulina, Alessia Tondo, Pier Paolo Danieli, Nicolò Macciotta, Alberto Stanislao Atzori, Alessandro Fantini

Managing future dairy farms producing more than 22,000 liters of milk per cow.....P142

Luca Cattaneo, Andrea Minuti, Michele Premi, Fiorenzo Piccioli Cappelli, Erminio Trevisi

Relationship between resting time in dry period, health status and inflammo-metabolic profile in early lactation of dairy cows.....P143

Fabio Abeni, Rosanna Marino, Andrea Bragaglio, Teresa Rutigliano

Thermography analysis of silage: methodological aspects.....P144

Luisa Antonella Volpelli, Luigi Tamburini, Tiziano Zanni, Giovanna Minelli, Milena Povolo, Valeria Pelizzola, Fabio Coloretti

Reduction of concentrated feed in dairy cows in the Parmigiano Reggiano area: effects on milk production and quality.....P145



Adriana Bonanno, Serena Tumino, Andrea Criscione, Antonino Di Grigoli, Bernardo Valenti, Salvatore Bordonaro, Marcella Avondo

Effects of a GH polymorphism on milk production traits in Modicana and Cinisara cows reared in different feeding systems.....P146

Nunzia Pagano, Michal Kosjor, Valentina Longobardi, Carolina De Canditiis, Giuseppe Albero, Gianluigi Zullo, Rosa Annunziata, Bianca Gasparrini

Effect of caspase-3 inhibitor Z-VAD-FMK on cryotolerance of in vitro bovine matured oocytes.....P147

Paolo Trevisi, Patrizia Bassi, Vincenzo Motta, Chiara Salvarani, Giovanni Pangallo, Federico Scali, Giuseppe Merialdi, Andrea Luppi, Luigi Bertocchi, Loris Alborali, Giuseppe Diegoli, Paolo Bosi

An integrated approach to reduce the use of antimicrobials in Italian heavy pigs, the experience of Emilia Romagna.....P148

Carmela Maria Assunta Barone, Francesco Serrapica, Chiara Murat, Roberto Di Matteo, Antonio Crasto

Effects of insect meal and microalgae as dietary ingredients on gut histology of Nile tilapia (Oreochromis niloticus).....P149

Vincenzo Lopreiato, Domenico Britti, Erminio Trevisi, Fiorenzo PiccioliCappelli, Marcello Marotta, Antonella Spina, Andrea Minuti

Post-weaning rumen fermentation of calves and its relationship with rumination time measured by Hr-Tag system in response to weaning age.....P150

Chiara Angelini, Veronica Redaelli, Fabio Luzi, Gabriele Meroni, Piera Anna Martino

Environmental management and pododermatitis in a breeding farm for hares: microbiological aspects.....P151

Leonardo Bruni, Giulia Secci, Cosimo Taiti, Ikram Belghit, Erik-Jan Lock, Giuliana Parisi

*Fillet fatty acids and volatile organic compounds of Atlantic salmon fed diets including *Hermetia illucens* larvae.....P152*

Riccardo Primi, Carlo Maria Rossi, Filippo Lazzari, Valerio Orazi, Andrea Amici, Pier Paolo Danieli, Bruno Ronchi

Assessment of aboveground biomass production in the Italian Apennines grazed rangelands using Sentinel 2 satellites and vegetation indices.....P153

Doriana E.A. Tedesco, Marta Castrica, Claudia M. Balzaretto, Sara Panseri

Safety assessment: from fruit and vegetable waste to earthworm as feed sources.....P154



Valentina Panettieri, Giovanni Piccolo, Antonino Nizza, Nicola Francesco Addeo, Stavros Chatzifotis
*Honey bee pollen inclusion in diets for meagre (*Argyrosomus regius*) juveniles: effects on growth performance and body indexes*.....P155

Maria Francesca Peruzzy, Maria Aponte, Serena Santonicola, Raffaellina Mercogliano, Emanuele D'Anza, Vincenzo Peretti, Nicoletta Murru
Characterization of Lactic Acid Bacteria (LAB) from Provolone del Monaco P.D.O. cheese: Preliminary results.....P156

Thursday 13th June 2019 (P051 – P129 and P157)

ANIMAL PHYSIOLOGY, HEALTH AND WELFARE

Francesco Fancello, Antonello Ledda, Alberto Stanislao Atzori
Stage of gestation and dietary carbohydrates change ruminal microbiota structure in sheep.....P051

Alessandro Vastolo, Serena Calabrò, Nadia Musco, Biagina Chiofalo, Monica I. Cutrignelli
Evaluation of industrial by-products.....P052

Antonella Dalle Zotte, Kayla-Anne Jordaan, Shohel Rana, Yazavinder Singh, Katalin Terhes, Zsolt Matics, Marco Cullere
Responses to heat stress of three rabbit synthetic breeds: physical and sensory traits of the Longissimus dorsi muscle.....P053

Bianca Castiglioni, Filippo Biscarini, Paola Cremonesi, Nicola Rota, Clara Locatelli, Alessandra Stella, Valerio Bronzo, Paolo Moroni
Response of the bovine milk microbiome to different dry-cow treatment approaches.....P054

Davide Biagini, Carla Lazzaroni
Cow-calf morphometric relationships and birth dystocia in Piemontese breed.....P055

Davide Biagini, Maria Teresa Capucchio, Ilaria Biasato, Martina Tarantola, Vanda Malfatto, Barbara Miniscalco, Silvia Mioletti, Elena Biasibetti, Franco Guarda
Influence of beef cattle management on blood biochemistry.....P056

Emanuela Dalla Costa, Ambra Rita Di Rosa, Cecilia Vullo, Giuseppe Catone, Marina Meligrana, Giacomo Cavallaro, Elisabetta Canali, Michela Minero, Sara Barbieri



<i>Preliminary results of the efficacy of an alternative pain management approach for piglet castration.....</i>	P057
Filippo Biscarini, Bianca Castiglioni, Alessandra Stella, Paolo Cozzi, Andrea Ianni, Giulia Masetti, Paola Cremonesi <i>Upgrading the pipeline to analyse 16S rRNA-gene sequencing data.....</i>	P058
Francesca Cecchi, Lisa Comparini, Claudia Russo, Adriano Podestà <i>Investigation on the “Club Foot” disorder in Arabian Pureblood horses reared in Italy.....</i>	P059
Francesca Cecchi, Marta Sfingi, Daniele Chiavacci, Claudia Russo, Fabio Macchioni <i>Larvicidal activity of neem oil (Azadirachta indica) formulation against larva of Aedes albopictus mosquitoes to improve animal welfare.....</i>	P060
Jeffery C. Gandy, Ashley Putman, Jennifer Brown, Lorraine M. Sordillo <i>Plasma isoprostane concentrations as biomarkers of oxidative stress during physiological transitions of dairy cows.....</i>	P061
Ahmad Abdel Sayed, Fabio Mosca, Manuela Madeddu, Maria Grazia Mangiagalli, Silvia Cerolini, Luisa Zaniboni <i>Semen freezability in Italian chicken breeds.....</i>	P062
Maria Federica Trombetta, Michela Ancona, Enrico Cordiner, Marina Pasquini <i>Selective hunting plans as source of reproductive data in wild boar of the National Park of Sibillini Mountains.....</i>	P063
Matteo Ottoboni, Eleonora Fusi, Alice Luciano, Luciano Pinotti <i>In vitro digestibility protocol applied to BARF diets: pros and cons.....</i>	P064
Mondina Francesca Lunesu, Alberto Stanislao Atzori, Alessandra Marzano, Carla Manca, Giovanni Cristoforo Bomboi, Mauro Decandia, Giovanni Molle, Antonello Cannas <i>Lactating ewes responded to a glucose tolerance test with higher glucose and insulin concentrations both in early and in mid-lactation compared to lactating goats.....</i>	P065
Paola Cremonesi, Marco Severgnini, Alicia Romanò, Mario Luini, Bianca Castiglioni <i>Comparison among four different bacterial DNA extraction protocols for analysing milk metagenomics.....</i>	P066
Paola Cremonesi, Bianca Castiglioni, Renata Piccinini, Stefano Biffani, Giovanni Bailo, Filippo Biscarini, Silvana Mattiello, Giulietta Minozzi <i>Effect of Weeping teats on Milk Microbiome in Goats.....</i>	P067



- Paola Cremonesi, Filippo Biscarini, Bianca Castiglioni, Paolo Moroni, Riccardo Compiani, Carlo S. Rossi
Gut microbiome response to dietary prevention regimes in pre-weaning piglets.....P068
- Paolo Trevisi, Chiara Salvarani, Diana Luise, Guido Maria Lovo, Federico Correa, Vincenzo Motta, Micol Bertocchi, Paolo Bosi
Survey on mycotoxin content in feed and milk from sows.....P069
- Paolo Trevisi, Diana Luise, Micol Bertocchi, Savanna Won, Jaime Salcedo, Daniela Barile, Paolo Bosi
Variations in porcine milk oligosaccharide composition across breed and association with sow reproductive performance.....P070
- Pier Paolo Danieli, Riccardo Zamponi
*Effects of diet formulation on yield and nutritive value of *Hermetia illucens* prepupae intended for animal feeding*.....P071
- Pier Paolo Danieli, Paolo Scarpino, Alessia Maria Margagliano
Iron supplementation of managed honey bee colonies as a sustainable strategy for preventing winter losses: a preliminary report.....P072
- Silvia Carta, Giovanna Buffa, Maria Grazia Cappai, Roberto Rubattu, Maria Rita Mellino, Giuseppe Pulina, Anna Nudda
A novel by-product feed for lactating dairy sheep: effects on milk production traits and metabolic profile.....P073
- Valentina Caprarulo, Maria Luisa Callegari, Monika Hejna, Serena Reggi, Stefania Sotira, Matteo Dell'Anno, Francesco Miragoli, Luciana Rossi
In vivo evaluation of tannin-based additives in weaned piglets.....P074
- Vera Perricone, Alessandro Agazzi, Annamaria Costa, Aldo Calcante, Giovanni Savoini, Massimo Lazzari, Francesco Maria Tangorra
Fuel consumption for TMR preparation and distribution in different dairy farms.....P075
- Francesco Fancello, Antonio Palomba, Alessandro Tanca, Marcello Abbondio, Cristina Fraumene, Antonello Ledda, Antonello Cannas, Sergio Uzzau, Alberto Stanislao Atzori
Evolution of gastrointestinal microbiota structure in sheep: dietary and age effects.....P076
- Fabio Correddu, Antonello Ledda, Francesco Lai, Mondina Francesca Lunesu, Gesumino Spanu, Anna Nudda, Alberto Stanislao Atzori and Antonello Cannas



<i>Development and setting of a ventilated hood system to measure enteric methane emission from sheep.....</i>	P077
Gianni Battacone, Mario Deroma, Giorgia Serra, Anna Nudda <i>Selenium levels in sheep milk and blood from different flocks of Sardinia.....</i>	P078
Amalia Simonetti, Roberto Giudice, Giulia Grassi, Annamaria Perna, Emilio Gambacorta <i>Efficiency in sheep meat production: comparison between extensive and intensive management systems.....</i>	P079
Emilio Gambacorta, Giovanni Pergola, Antonio Pessolani, Amalia Simonetti, Annamaria Perna <i>Computerized management of cattle reared in extensive system.....</i>	P080
Federico Righi, Marica Simoni, Rosita Rubolino, Michela Ablondi, Alberto, Sabbioni Afro Quarantelli <i>Study of a five sieves fecal particles separator to evaluate fiber and dry matter digestibility in dairy cattle.....</i>	P081
Rubén A. Davicino, Noelia J. Coria, Rosendo A. Liboá, Juan J. Posse, Bernardo Sobre Casas, Gustavo A. María, Genaro Miranda de la Lama <i>Assessment of livestock injuries in slaughterhouses and their economic impact.....</i>	P082
Maria Chiaravalli, Andrea Rota Graziosi, Luca Rapetti, Gianluca Galassi, Stefania Colombini <i>Comparison of rumen fluid vs faecal inoculum for the estimation of the uNDF fraction of feeds and faeces.....</i>	P083
Maria Grazia Cappai, Corrado Dimauro, Ilaria Sogos, Domenico Gatta, Walter Pinna <i>Canonical discriminant analysis of body measures for the prediction of body weight in horses of different breed and morphology.....</i>	P084
Maria Giovanna Ciliberti, Soroush Safa, Shahryar Kargar, Gholam Ali Moghaddam, Marzia Albenzio, Francesco Ciampi, Lucia Figliola, Antonella della Malva, Rosaria Marino, Antonella Santillo, Agostino Sevi, Mariangela Caroprese <i>Effects of cooling on postpartum dairy cows.....</i>	P085
Michele Di Iorio, Giusy Rusco, Michele Schiavitto, Paola Principe, Angelo Manchisi, Silvia Cerolini, Nicolaia Iaffaldano <i>First semen cryobank of Italian rabbit breeds.....</i>	P086
Giada Morelli, Carmen Losasso, Ilaria Patuzzi, Antonia Ricci, Iginio Andrighetto, Rebecca Ricci <i>Characterization of intestinal microbiome in overweight and non-overweight dogs of different breeds.....</i>	P087



- Rosa Annunziata, Michal Kosjor, Kelly Annes, Valentina Longobardi, Nunzia Pagano, Giuseppe Albero, Gianluigi Zullo, Bianca Gasparrini
Effect of crocin on post-thawed sperm quality in buffalo (Bubalus bubalis).....P088
- Francesco Serrapica, Carmela Maria Assunta Barone, Roberto Di Matteo, Filomena Pagano, Antonio Crasto
Effects of diet supplementation with Trichoderma spp. on structure and ultrastructure of gastric tissues in buffaloes.....P089
- Sandy Sgorlon, Linda Ronutti, Alessandro Mattiello, Misa Sandri, Bruno Stefanon
Ionic profile of hair of growing and adult dogs fed different diets.....P090
- Alessandra Tateo, Aristide Maggiolino, Giuseppina Mulè, Massimo Ferrara, Pasquale Centoducati, Pasquale De Palo
Effects of dietary supplementation with Pinus Taeda Hydrolized Lignin on rumen microbiome in beef.....P091
- Giorgia Meineri, Alessia Candellone, Federica Dal Bello, Claudio Medana, Pier Giorgio Peiretti
Occurrence of gluten in canned and dry grain-free commercial pet foods.....P092
- Tamil Selvi Sundaram, Carlotta Giromini, Raffaella Rebusci, Antonella Baldi
Establishment of inflammatory in vitro intestinal epithelial models for translational animal nutrition.....P093
- Maria Grazie Cappai, Andrea Taras, Maurizio Picciau, Domenico Gatta, Raffaele Cherchi, Walter Pinna
NEFA, BHBA and γ -GT variation in the blood serum of weaned foals up to 18 months of age.....P094
- Maria Serrapica, Ada Braghieri, Fabio Napolitano, Gerarda D'Angelo, Francesco Serrapica, Corrado Pacelli
Effect of fibre length and amount of growth and behavior of buffalo calves.....P095

ANIMAL PRODUCTS

- Angela Gabriella D'Alessandro, Giovanni Martemucci, Pasqua Loizzo, Michele Faccia
Donkey cheese production using pure milk or in mixture with goat or cow milk: preliminary results.....P096
- Anna Maria Belmonte, Corina Scutaru, Giovanna Minelli, Paolo Macchioni, Luisa Antonella Volpelli, Domenico Pietro Lo Fiego



Effect of two sous-vide cooking methods on fatty acid composition and oxidative stability of Longissimus thoracis muscle from pigs receiving a diet containing or not extruded linseed.....P097

Luisa Biondi, Antonio Natalello, Massimiliano Lanza, Dario Cutello, Simona Mattioli, Ruggero Menci, Alessandro Priolo

Dietary tomato pomace: effects on pork quality.....P098

Chiara Aquilani, Francesco Sirtori, Mónica Flores, Zein Kallas, Annalisa Romani, Carolina Pugliese
Effects of sodium nitrite replacement with natural antioxidants on aromatic profile and consumer acceptance of Cinta Senese dry-fermented sausages.....P099

Denise Innosa, Fiorentina Palazzo, Andrea Ianni, Francesca Bennato, Giuseppe Martino
Evaluation of the chemical-nutritional parameters and the aromatic profile of eggs obtained from laying hens fed with a dietary supplementation of extruded linseed.....P100

Francesca Bennato, Denise Innosa, Andrea Ianni, Lisa Grotta, Giuseppe Martino
Effect of dried licorice root supplementation on chemical-nutritional quality of dairy products obtained from goats.....P101

Francesco Vizzarri, Raffaella Rossi, Sara Chiapparini, Donato Casamassima, Marisa Palazzo, Sabrina Ratti, Carlo Corino
Effects of polyphenols and algae supplement on rabbit meat quality.....P102

Marco Alabiso, Adriana Bonanno, Cristina Giosuè, Antonino Di Grigoli, Baldassarre Portolano, Giuseppe Maniaci
The production of typical cured meats from cattle of Cinisara breed.....P103

Maria Luisa Varricchio, Pinar Uzun, Francesco Serrapica, Ada Braghieri, Fabio Napolitano, Felicia Masucci, Antonio Di Francia
Evolution of instrumental and sensory properties of the traditional Caciocavallo of Castelfranco cheese in relation to cows' feeding.....P104

Paolo Polidori, Daniela Maria Spera, Arianna Sabatini, Cinzia Quagliarini, Silvia Vincenzetti
Quality parameters of freeze-dried donkey milk.....P105

Paolo Polidori, Valeria Polzonetti, Stefania Pucciarelli, Massimo Ricciutelli, Silvia Vincenzetti
Nutritional characteristics of "Kefir" fermented milk.....P106

Marina Pasquini, Giacomo Staffolani, Daniele Marzi, Maria Federica Trombetta
Marchigiana Breed and the PGI Mark "Vitellone bianco dell'Appennino centrale": Analysis of the BovinMarche Database.....P107



Sara Chiapparini, Carlo Corino, Raffaella Rossi

Poultry meat quality in antibiotic free production has improved by natural extract supplement...P108

Corina Scutaru, Anna Maria Belmonte, Luisa Antonella Volpelli, Giovanna Minelli, Paolo Macchioni, Domenico Pietro Lo Fiego

Effect of two sous-vide cooking methods on physicochemical characteristics of Longissimus thoracis muscle from pigs fed with or without extruded linseed.....P109

Silvia Parrini, Valentina Becciolini, Alessandro Crovetto, Doria Benvenuti, Riccardo Bozzi, Gustavo Campodoni, Anna Acciaioli

Effect of different rearing system on sensory characteristics of meat in Massese Lamb.....P110

Simone Mancini, Filippo Fratini, Tiziano Tuccinardi, Simona Mattioli, Alessandro Dal Bosco, Gisella Paci

Effects of dietary by-products in mealworm rearing.....P111

Simone Mancini, Filippo Fratini, Tiziano Tuccinardi, Barbara Turchi, Roberta Nuvoloni, Gisella Paci

Effects of different blanching treatments on quality and microbiological profile of mealworms...P112

Valentina Becciolini, Silvia Parrini, Lapo Nannucci, Oreste Franci, Francesco Sirtori, Antonio Pezzati, Anna Acciaioli

Carcass characteristics of Massese lamb in different rearing systems.....P113

Ada Braghieri, Amelia Maria Riviezzi, Nicola Condelli, Nicoletta Piazzolla, Andrea Bragaglio, Corrado Pacelli, Maria Serrapica, Fabio Napolitano

Familiarity and preference of Lucanian consumers for animal-based products.....P114

Alberto Brugiapaglia, Carola Lussiana, Liliana Di Stasio

Nutritional value of retail meat lipid fraction from Piemontese young bulls.....P115

Alessandra Roncarati, Marina C.T. Meligrana, Gian Enrico Magi, Francesca Mariotti, Nicolaia Iaffaldano

Growth performances of rainbow trout (Oncorhynchus mykiss) juveniles fed on a diet containing processed fish as a partial substitute for fish meal.....P116

Andrea Ianni, Marco Iannaccone, Lisa Grotta, Denise Innosa, Giuseppe Martino

Dietary selenium supplementation of Friesian cows modifies the aromatic profile of dairy products.....P117



- Antonella della Malva, Marzia Albenzio, Mariangela Caroprese, Giovanni Annicchiarico, Antonella Santillo, Francesco Ciampi, Lucia Figliola, Maria Giovanna Ciliberti, Agostino Sevi, Rosaria Marino
Enzymatic injection of papain for improving meat tenderness.....P118
- Matteo Cortellari, Alessio Negro, Andrea Talenti, Stefano Frattini, Salvatore Mastrangelo, Fabio Pilla, Paolo Ajmone-Marsan, Paola Crepaldi
Genomic meat traceability: from breeders to consumers.....P119
- Nicola Francesco Addeo, Giuseppe Moniello, Fulvia Bovera, Valentina Panettieri, Georges Hassun, Doria Benvenuti, Antonio Pezzati, Giuliana Parisi, Giulia Secci
Physical characteristics of eggs from Hy-line Brown layers fed with Hermetia illucens larvae meal.....P120
- Isa Fusaro, Melania Giammarco, Michael Odintsov Vaintrub, Matteo Chincarini, Giorgio Vignola
Healthy indices and oxidative stability of Marchigiana beef meat enriched with omega-3, vitamin E and treated with oregano and rosemary essential oils.....P121
- Nieves Núñez-Sánchez, Carmen Avilés-Ramírez, Gabriele Acuti, María Illana, Massimo Trabalza-Marinucci, Andrés Martínez-Marín, Francisco Peña-Blanco
Feasibility study of NIRS technology to predict Merino wool quality parameters.....P122
- Giulia Secci, Leonardo Bruni, Giuliana Parisi
Consumers' perception of insect meal as aquaculture feed ingredient.....P123
- Luca Sardi, Eleonora Nannoni, Andrea Rossi, Enrica Gorlani, Andrea Bertolini, Giulia Rubini, Ruben Cantagallo, Giovanna Martelli
Is the European pig carcass classification grid still a valid method to select green hams for PDO circuit?.....P124
- Raffaele Marrone, Giorgio Smaldone, Angela Salzano, Rosa Luisa Ambrosio, Anna Balestrieri, Aniello Anastasio, Giuseppe Campanile
Chemical composition and fatty acid profile of milk from Mediterranean buffaloes fed with two different diets.....P125
- Massimo Todaro, Vincenzo Russo, Vincenzo Chiofalo, Adriana Di Trana, Salvatore Claps, Giovanni Quaranta, Antonio Pirisi, Arturo Pujia, Giuseppe Licitra
Development of a synergy model aimed to qualify and valorize the natural historic cheese of southern Italy in the Sicilian, Sardinia, Calabria, Basilicata and Campania regions.....P126
- Vittoria Bisutti, Roberta Merlanti, Lorenzo Serva, Ludovica Montanucci, Massimo Mirisola, Sandro Tenti, Lorena Lucatello, Luciana De Jesus Inacio, Severino Segato, Francesca Capolongo



Authentication of local Italian honey by support vector machines (SVM) based on NIR data.....P127

Giuseppe Marsico, Simona Tarricone, Marco Ragni, Anna Maria Facciolongo, Francesco Giannico, Anna Maria Russo, Maria Antonietta Colonna

Comparative study of meat quality in thrush, woodcock and starling in Apulia.....P128

Stefania Dall'Olio, Gizella Aboagye, Leonardo Nanni Costa, Maurizio Gallo, Luca Fontanesi

Ham weight loss at first salting: correlations with in vivo performances, carcass, and ham quality traits in Italian Large White heavy pigs.....P129

Ambra Rita Di Rosa, Filippo Giarratana, Najla Trabelsi, Vincenzo Chiofalo

E-nose, e-tongue and e-eye for sensorial evaluation of anchovy fillets marinated in different flavoured olive oil mixture with anisakicidal activity.....P157