



8th International Feed Conference
Present and Future Challenges

FEED 2023

Milan, October 9-10



UNIVERSITÀ
DEGLI STUDI
DI MILANO



divas

DIPARTIMENTO DI MEDICINA
VETERINARIA E SCIENZE ANIMALI



Chair: Prof. Luciano Pinotti
Chair of the Organizing Committee and
Chair of the Scientific Committee



Dear Colleagues and Friends,

On behalf of the Local Organizing Committee, it is my pleasure to invite you to attend the **8th International Feeding Meeting “Present and Future Challenges”**, that will be held at the Università degli Studi di Milano (Italy) October 9-10, 2023.

As seen in 2021, the availability of sufficient and safe feedingstuff is still a key challenge in modern agriculture. While the topic of undesirable substances in feed remains a major issue, the globalisation of the feed business has further reinforced the need for efficient tools for traceability of feed ingredients. Moreover, the constantly increasing demand for food from animal origin, along with limited resources, triggers the need for evaluating new sources of feed ingredients such as insects and efficient feed production. Additionally, the impact of climate change on feed production should be also taken into account. Keeping the feed safe and sustainable therefore requires a multidisciplinary approach, bringing together all stakeholders, including industry.

The 2023 International Feed Conference covers all the current interesting areas for animal feed, which will be presented in the following two sessions:

- Circular feed and additives
- Feed quality, safety, authentication and traceability

In today's world, sharing scientific knowledge, research findings, laboratory methods and strategies within the scientific community has become a necessity. The aim of this conference is to bring together, at a single event, scientists, researchers, laboratory personnel, policy-makers from governmental and non-governmental organizations and people from industry where they can share their knowledge, scientific experiences and experiments on subjects crucial to animal feed. With the participation of international experts, we hope that productive discussions will stimulate new creative ideas to translate new discoveries into better practices and applications.

For this eighth edition - FEED2023 – participants can attend in both online or directly at the venue.

Keynote and regular speakers will deliver their presentations in front of the audience in Milan.

Discussions will only be open to the audience in the conference venue.

We look forward to seeing you all in Milan at the FEED2023!

Prof. Luciano Pinotti
Chair of the Organizing Committee and Chair of the Scientific Committee

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Scientific Committee



Luciano Pinotti

Chair of the Organizing Committee and Chair of the Scientific Committee Department of Veterinary Medicine and Animal Sciences. University of Milan, Italy



Antonella Baldi

Department of Veterinary Medicine and Animal Sciences. University of Milan, Italy



Irmengard Strnad

Head of Institute of Animal Nutrition and Feed, Austrian Agency for Health and Food Safety, Austria



Philippe Vermeulen

Walloon Agricultural Research Centre (CRA-W), Belgium



Maria Cesarina Abete

Head of National Reference Center for Animal Feed Surveillance and Control (C.Re.A.A.) - Istituto Zooprofilattico Sperimentale del Piemonte, Liguria e Valle d'Aosta, Italy



Federica Cheli

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Ursula Vincent

European Commission Directorate-General Joint Research Centre - Directorate F – Health and Food - Food & Feed Compliance (F.5), Belgium



Vincent Baeten

Walloon Agricultural Research Centre (CRA-W), Belgium



Robin Ornsrud

Research program leader at the Institute of Marine Research, Norway



Christine Bunthof

Programme manager food and feed Wageningen Food Safety Research Wageningen University & Research



Christoph von Holst

European Commission Directorate-General Joint Research Centre - Directorate F – Health and Food - Food & Feed Compliance (F.5), Belgium

Local Organizing Committee



Luciano Pinotti

Chair of the Organizing Committee and Chair of the Scientific Committee Department of Veterinary Medicine and Animal Sciences. University of Milan, Italy



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Daniela Marchis

Responsabile S.S. Controllo Alimentazione Animale S.C. Controllo Chimico - Head of NRL for Animal proteins in Feed-C.Re.A.A. - Istituto Zooprofilattico Sperimentale del Piemonte, Liguria e Valle d'Aosta, Italy



Matteo Ottoboni

Department of Veterinary Medicine and Animal Sciences. University of Milan, Italy



Luciana Rossi

Department of Veterinary Medicine and Animal Sciences. University of Milan, Italy



Giovanni Savoini

Department of Veterinary Medicine and Animal Sciences. University of Milan, Italy



Carlo Sgoifo Rossi

Department of Veterinary Medicine and Animal Sciences. University of Milan, Italy



Marco Tretola

Department of Veterinary Medicine and Animal Sciences. University of Milan, Italy

Keynote Speakers



Anton van den Brink

European Compound Feed & Premixes Association

Anton van den Brink is the Deputy Secretary General for the European Compound Feed & Premixes Association (FEFAC). He started at FEFAC in 2013 as Communication Advisor and held the position of Senior Policy & Communication Manager from 2018 to June 2022. For several years he has been actively engaged on the sustainability-related topics connected to European compound feed manufacturing, such as responsible soy sourcing and environmental footprinting (PEFCR Feed for Food-Producing Animals). In that capacity he has played a leading role in the development of the FEFAC Sustainability Charter 2030, the FEFAC Soy Sourcing Guidelines 2021 and the publications on Circular Feed (June 2022) and CoProducts (June 2019).

Anton is also Executive Director of EFFPA, the European Former Foodstuff Processors Association.

Anton graduated in Persuasive Communication at the University of Amsterdam (2012). He lives in Mechelen, Belgium, with his wife and daughter.



Silvia Ampuero

Federal Department of Economic Affairs, Education and Research EAER Agroscope Competence Division, Method Development and Analytics

Silvia Ampuero Kragten, Dr ès sc., obtained a degree in chemical engineering, 1989, and a PhD from the Materials Science department, 1994, from the Swiss Federal Institute of Technology (EPFL), Lausanne. She has been working for over 20 years at Agroscope, the Swiss Centre of Excellence for Agricultural Research, as associate scientist in the Method Development and Analytics division dedicated to the animal production and nutrition sector. Her research interests are mainly focused on secondary plant metabolites and chemometrics. She has contributed to several national and European projects in the fields of tannins and boar taint analysis, including with an electronic nose based on mass spectroscopy. She is also responsible for the NIRS models used as prescreening tool by the Swiss official feed inspection authority and the pork carcass quality control tool used by Swiss commercial slaughterhouses, based on NIRS models to predict fatty acid profile in fresh adipose tissue.



Nicola Walker

Global Principal Scientist (Ruminants), dsm-firmenich

Nicola is the Principal Scientist on the dsm-firmenich methane inhibition project investigating the mode of action of the novel methane inhibitor Bovaer® (3-Nitro-oxypropanol, 3-NOP). As part of this project, she has conducted a range of trials in dairy cows, beef cattle and calves, measuring the effect of the inhibitor on methane emissions to help aid registration and commercialisation of Bovaer® as a viable solution to reduce the carbon footprint of ruminant production systems globally. An experienced animal nutritionist, she obtained a PhD in rumen microbiology from the University of Aberdeen, Scotland. Over the last 34 years Nicola has worked as a research scientist in both academia and industry in the UK, NZ, France, Canada and Switzerland, investigating a range of different eubiotic feed additives for their impact on the rumen microbial ecosystem and host animal in terms of health and production with the aim of improving sustainability of livestock production.



Mia Eeckhout

Department Food Technology, Safety and Health Research group cereal and bakery technology (food and feed) Ghent University

Mia Eeckhout is a senior full professor at Ghent University. She is teaching Feed Technology for M.Sc. student since 1989 and performs research in this domain for over 30 years. She also provides tailor made training in Technology of Compound Feed Manufacturing including GMP and HACCP for plant managers, nutritionists and process operators within international animal feed companies. She conducts applied scientific research in the field of compound feed production at the request of and in close collaboration with the Belgian animal feed industry. She coordinated numerous research projects in a Belgian, European and global context on innovative feed ingredients, feed technology and feed safety. From 2015 to 2020 she was chair of the public-private platform Feed Design Lab, Wanssum, the Netherlands.

Scientific Programme

9 Monday
OCTOBER

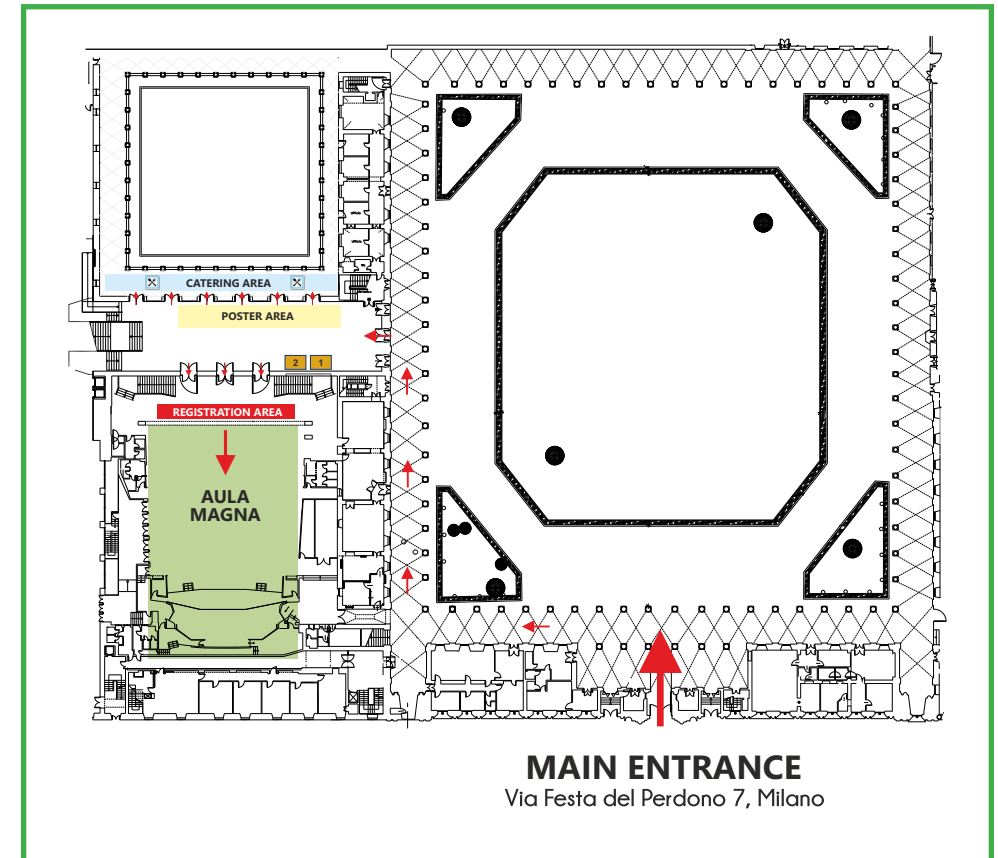
13.00 - 14.00	Registrations
14.00 - 14.30	Opening Ceremony Welcome Address by Vice rector <i>Prof. Antonella Baldi</i> Welcome Address by Head of Department of Veterinary Medicine and Animal Science <i>Prof. Mauro Di Giancamillo</i>
14.30 - 15.30	Opening Session Chairs: Luciano Pinotti, Federica Cheli
14.30 - 15.00	Keynote Lecture Optimised Nutrient Recovery Through Animal Nutrition <i>Anton van den Brink</i>
15.00 - 15.30	Keynote Lecture Doing it better with less: the main drive for innovation in the feed mill <i>Mia Eeckhout</i>
15.30 - 18.00	Session Circular Feed and Additives Chairs: Robin Ornsrud, Joerg Stroka
15.30 - 15.40	Sponsored lecture DALMA MANGIMI Processed former foodstuff in livestock diet can enhance performance and improve environmental impacts: an insight in poultry application <i>Claudio Forte, Andrea Giorgino, Valentina Massa</i>
15.40 - 16.00	The inclusion of salty and sugary Former Food Products in the feed of growing-finishing pigs does not impair diet digestibility <i>Sharon Mazzoleni</i>

16.00 - 16.20	Combined inclusion of former foodstuff and wet distiller grain in dairy cow diets to reduce the environmental impact of cheese production. <i>Ludovica Mammi</i>
16.20 - 16.50	Coffee break and Poster Session
16.50 - 17.10	Bioconversion of Agro-Industrial Residues to Volatile Fatty Acids (VFAs): A Sustainable Approach for Ruminant Feed Supplementation <i>Milad Parchami</i>
17.10 - 17.30	Microplastics interact with the ruminal microbiome ex vivo <i>Julia Eichinger</i>
17.30 - 17.50	Determination of microplastics additives in feed containing former food <i>Rosa Avolio</i>
17.50 - 18.00	Sponsored lecture AGRICOM Circular Bioeconomy: LCA results and insights <i>Clelia Daniel</i>
18.15	Guided Tour of Milano
19.30	Welcome Cocktail and Network Dinner

8.45 - 11.05	Session Circular Feed and Additives Chairs: Ursula Vincent, Federica Cheli
08.45 - 9.15	Keynote Lecture From Farm to Fork: Innovative feed additives and reducing emissions from livestock <i>Nicola Walker</i>
9.15 - 9.35	Total phenolic content and antioxidant capacity of hemp co-products after green extraction and ex vivo digestion simulation <i>Davide Lanzoni</i>
9.35 - 9.55	Ascophyllum nodosum and Lithothamnium calcareum as functional feed additives alternatives to antibiotics in F4+ Escherichia coli challenged piglets <i>Matteo Dell'Anno</i>
9.55 - 10.15	Efficacy of a spore-forming bacteria (Bacillus coagulans) on the health of weaning Holstein Friesian female calves <i>Raffaella Rebucci</i>
10.15 - 10.35	Yeast mixture benefits gut health of post-weaning piglets <i>Silvia Sandrini</i>
10.35 - 10.55	Evaluation of phenolic profile and antioxidant activity of cocoa (Theobroma cacao L.) by-products to explore their potential as animal feed additives <i>Francesca Mercogliano</i>
10.55 - 11.30	Coffee break and Poster Session

11.30 - 13.40	Session Feed quality, safety, authentication and traceability Chairs: Christoph von Holst, Irmengard Strnad
11.30 - 11.50	Soil nematode C. elegans infection model for screening of novel plant-based antimicrobials as feed additives <i>Georg Sandner</i>
11.50 - 12.10	Measures against Antimicrobial Resistance: methods of analysis for 24 antimicrobial active substances in feed at cross-contamination level to support EU legislation enforcement <i>Ursula Vincent</i>
12.10 - 12.30	Determination of aminoglycoside antibiotics in feed at cross-contamination levels for enforcing EU legislation <i>Luca Ferrari</i>
12.30 - 12.45	New Approach Methodologies for mechanistic toxicology-based feed safety assessments <i>Josef Daniel Rasinger</i>
12.45 - 13.00	ConTrans: A Tool to Estimate Feed-to-Food Contaminant Transfer in Farm Animals <i>Jorge Numata</i>
13.00 - 13.15	Quality assurance and control of methods to examine visually recognizable substances in feed and food <i>Guus van der Borg</i>
13.15 - 13.30	Ranking of chemical hazards for risk-based monitoring of farmed fish, feed and feed materials <i>Veronika Sele</i>
13.30 - 13.45	Supplementing broiler diet with a new generation emulsifier: effects on performances, nutrient absorption, and cost optimization. <i>Luca Marchetti</i>
13.45 - 14.45	Lunch

14.45 - 17.25	Session Feed quality, safety, authentication and traceability Chairs: Vincent Baeten, Christine Benthof
14.45 - 15.15	Keynote Lecture NIR portable instruments. Development of a cloud-based application with a handheld spectrometer: Pocket Feed Lab <i>Silvia Ampuero</i>
15.15 - 15.35	Assessment of the Accuracy of NIRS Technology for Determining the Proximate Composition and Amino Acid Content of Commercial Soybean Meal Samples <i>Laid Dardabou</i>
15.35 - 15.55	Spectra library-based proteomics for feed forensics in a circular economy <i>Varunjikar Madhushri Shrikant</i>
15.55 - 16.25	Coffee break and Poster Session
16:25 - 16.45	Insect meal in feed: use of Near-Infrared Spectroscopy (NIRS) techniques to support the detection of authorized and unauthorized insect species <i>Anselmo Abigaël</i>
16.45 - 17.05	Defining a common cut-off of real-time PCR methods in a network of laboratories for the detection of processed animal proteins <i>Olivier Fumiere</i>
17.05 - 17.25	The emerging mycotoxin enniatin B causes adverse health effects in Atlantic salmon farmed on plant-based feeds, while beauvericin does not. <i>Marc Berntssen</i>
17.25 - 17.45	Closing Ceremony <i>Luciano Pinotti</i>



The **European Food Safety Authority** participates at the Conference with an info desk to provide information, answer questions, and engage with participants interested in the feed additives application procedure. The info stand will be located in the exhibition area, at the entrance to the plenary room and will be open throughout the conference.

Topics and Keywords

1 Session Circular Feed and additives

Animal feed has a social responsibility to contribute to more sustainable food production systems. With diminishing availability of farming land, climatic changes and the threat of declining water resources, the task is to meet the growing demand for food, feed, fibre, fuel, and industrial products using less resources. This latter aspect will reduce use and redistribution of resources - in other words: 'Do more with less!'. These aspects, together with the increase in the cost of traditional feed for production animals over the last years, persuaded feed researchers and producers to look into alternative sustainable protein and energy sources for feeding animals. For example, insects, algae, ex-food (also termed former food products), hemp-based products, wood by-products, winery by-products as well as duckweed are seen as interesting alternative protein/energy sources for feed and are expected to be increasingly used around the globe as replacers for conventional nutrients sources. In this scenario new and alternative feed ingredients demand the development of suitable techniques to recycle more of the food wastes and transform these into valuable ingredients for animal feed. From a feed industry perspective, novel techniques must be scalable to economically feasible processes. For future process optimisation, collaboration between skilled data scientists, machine experts, technologists and nutritionists is necessary.

Key words: innovative feed and additives, insects, ex-food, algae, agro-industrial co-products, sustainability, circular economy, feed processing, novel and emerging processing techniques

Topics and Keywords

2 Session Feed quality, safety, traceability and authentication

The importance of quality, safety and authentication in the the feed chain cannot be underestimated. Feed quality and safety start with the characterization and selection of high-quality raw materials and require the use of appropriate processing methods at the farm and industry levels. Feed quality is crucial as it has a direct impact on the health and productivity of the animals. Feed safety plays a major role in the global safety of the food chain by reducing the risk of contaminants and impurities entering the food chain. Moreover, compound feed is a complex mixture of feed materials and feed additives, where the farmer relies on the information about its composition given on the packing label of these products. The details of these descriptions and other supporting documents on the origin of the ingredients should assure that the feedingstuffs meets the expectations in terms of benefits, quality and safety. Therefore, there is a strong need for concepts that allow for full traceability of the ingredients. Important components of these concepts include for example fit for purpose analytical methods or the use of specific markers. Finally, with the globalisation of the production, authentication issues (including assessment of origin and fraud detection) may be a future challenge for the feed sector, and this warrants well developed control practices.

Key words: quality, safety, traceability, fraud, control of product label, Innovative analytical methods, marker concepts, authentication



Registration Fees

Alle delegates are required to register for the conference. Registration fees are as follows:

REGULAR

Valid until 25th September

Delegate Veterinarians / Scientists € 430,00

Students/Trainees/Retired* € 280,00

Network Dinner+ Guided Tour** Included in the registration fee (according to availability)

VAT 22% included

After 25th September registration possible on-site only

* Registration in the STUDENT category is only open to people able to provide a valid official certificate. To validate this, documentary proof of this status must be forwarded to: feed2023@vetinternational.eu

** Places are limited. Please confirm your attendance at the dinner and tour when registering online. The guided tour will start from the University of Milan to the restaurant where the dinner will be held.

Virtual €330,00

Available until 6th October

The registration fees in presence include:

- Admission to full scientific program
- Coffee breaks (3 services)
- Lunch
- Welcome cocktail and Conference Dinner
- Conference kit
- Abstract Book on web site
- Access to exhibition and posters areas
- Certificate of Attendance

The registration fees virtual include:

- Admission to full scientific program
- Abstract Book on web site
- Certificate of Attendance

Virtual participants will only be able to listen/watch the event but will not be able to interact.

INVOICING

When filling out the online registration form we strongly recommend to pay particular attention to the Invoicing page.

Before registering, carefully check who the invoice shall be headed to and make sure you have all relevant information:

- header
- address
- VAT code
- fiscal code (for Italians only)
- PO number (if required)

Make sure the invoice details you are going to indicate are the correct ones. In case of requests for data corrections and/or invoice re-issuing due to wrong data submission, the Organizing Secretariat will apply a fee of € 50,00 for each new document re-issued, which shall be paid in advanced.

REMITTANCE

Registration fees shall be paid by credit card or bank transfer through the available on-line system.

When paying by bank transfer, a copy of the transfer receipt must be sent to feed2023@vetinternational.eu

Registrations without proof of payment will not be accepted.

The organising secretariat will send registration confirmation upon receipt of payment by e-mail.

Please be sure your e-mail address is filled in correctly.

PERSONAL INVITATION FOR VISA PURPOSES

To facilitate conference attendance a personal invitation can be sent on request. This invitation does not exempt the recipient from registering and paying the proper conference fee. Please inform the conference secretariat if you need a personal invitation letter.

Registration fees and charges for all events related to the Feed Conference 2023 must be paid in euros.

CANCELLATION AND REFUND

Cancellations must be sent to feed2023@vetinternational.eu.

The amount equal to 50% of the fee paid will be refunded for cancellations received by 31st July 2023.

After 31st July 2023 no refunds will be issued.

All refunds will be paid in euros after the conference.

CANCELLATION OF THE CONFERENCE

The conference secretariat reserves the right to cancel the conference, shift venue or change dates without notice in case of "force majeure". Neither VET International nor the conference Organising Committee shall be liable for any damage claims.

LIABILITY AND INSURANCE

Registration fees do not include the insurance of participants against personal accidents, sickness and cancellations by any party, theft, loss or damage to personal possessions. Participants are advised to take out adequate personal insurance to cover travel, accommodation, cancellation and personal effects.

Poster Sessions



Posters are displayed on the following days:
Monday, 9th October 2023 13.00 - 18.00
Tuesday, 10th October 2023 8.45 am - 18.00

Posters are numbered according to the list of posters in the programme and must be on display on the day that the Organising Secretariat assigned the authors, according to the following schedule only:
set-up: 9th October starting from 13.00
removal 10th October starting from 18.00

In order to encourage fruitful and valuable discussions about posters, the poster Presenter is kindly invited to be present at the assigned poster panel during the coffee breaks.



General Information

REGISTRATION DESK

The registration desk will be located at the entrance and it will be open at the following times:

Monday, 9 th October 2023	13.00 - 18.00
Tuesday, 10 th October 2023	8.15 - 18.00

CONFERENCE LANGUAGE

The official language of the conference is English. Simultaneous translation is not provided.

NAME BADGE

A name badge will be required to access to the conference area. Participants will receive a name tag when they check in at the registration desk. Delegates and exhibitors must display the official badge at all time.

WIFI

The WiFi access is free for all attendees and accessible in all the Venue areas during conference days.

CERTIFICATE OF ATTENDANCE

A certificate of attendance will be issued to properly registered attendees. Certificates of attendance will be sent by email after the conference.

CLOAKROOM

The cloakroom is provided.

PHOTO

We inform you that during the event photos will be taken. We kindly ask those who do not want to be photographed to inform the organizing secretariat.

SOCIAL PROGRAMME

At the end of the first day, Monday, 9th October, the Social Programme will start with a walking tour from the University of Milano to the restaurant of the Network Dinner.

We will pass by some of the most beautiful and famous places in Milan: Duomo of Milano, Galleria Vittorio Emanuele II, Teatro alla Scala, Brera, Corso Garibaldi and Corso Como until we get to the restaurant.

Please note that the booking is mandatory. You can book the service during the registration online process.

Posters

P01

A survey of oligoelements as feed additives for animal health.

Squadrone Stefania, Trossi Andrea, Riva Anna, Palmegiano Paolo, Gavinelli Stefania, Griglione Alessandra, Abete Maria Cesarina

P02

Traditional vs Circular diets: effect of the partial replacement of corn and soybean meals with bakery former food products and wet distillers grains on production performance, digestibility and environmental sustainability in beef heifers.

Grossi Silvia, Massa Valentina, Giorgino Andrea, Rossi Luciana, Dell'Anno Matteo, Pinotti Luciano, Compiani Riccardo, Avidano Filippo, Sgoifo Rossi Carlo Angelo

P03

The impact of harvesting time and nutritional aspects of hemp (*Cannabis sativa* L.) on its activity against *Staphylococcus aureus*.

Mala Lucie, Malik Matej, Skrivanova Eva, Paulova Tereza, Pavlik Jan, Ulman Milos, Tlustos Pavel

P04

Amino acid requirements of mealworm and black soldier fly larvae.

Moradei Andrea, Boudrez Marie, Sprangher Thomas

P05

Reducing aggressiveness in weaned Iberian piglets using a plant extract blend.

Alonso Irene, Jiménez-Moreno Encarnación, Carrión Domingo, Le Gall Maud, Mantovani Graziano

P06

Relationship between potentiated zinc oxide and monovalent copper in a dietary administration for weanling piglets.

Rebucci Raffaella, Marchetti Luca, Cremonesi Paola, Castiglioni Bianca, Biscarini Filippo, Romeo Agathe, Bontempo Valentino

P07

Functional characterisation of *Euglena gracilis* following growth medium enrichment.

Lanzoni Davide, Horn Ingrid, Cheli Federica, Baldi Antonella, Rebuzzi Leonardo, Ghilardi Giacomo, Cavaliere Raffaele, Giromini Carlotta

P08

Processed former foodstuff based on bakery by-product included in compound feed diet destined to poultry can enhance broiler performance without impairing meat sensorial properties.

Srikanthithasan Karthika, Andrea Giorgino, Marrta Gariglio, Diaz Vicuna Elena, Fiorilla Edoardo, Rosalba Roccatello, Gasperi Flavia, Schiavone Achille, Massa Valentina, Forte Claudio

P09

Influence of main chemical constituents on in vitro fermentation using frozen rumen fluid: preliminary results.

Pastorelli Grazia, Simeonidis Kalliroi, Faustini Massimo, Le Mura Angelo, Cavalleri Mariagrazia, Serra Valentina, Attard Everaldo

P10

Effect of different enzyme preparations on nutrient digestibility in broiler chickens fed corn-soybean based diet.

Amerah Ahmed M, Pasquali Guilherme

P11

Evaluation of the prebiotic activity of *Ascophyllum nodosum* and *Lithothamnium calcareum* in co-culture with *Limosilactobacillus reuteri* strain.

Frazzini Sara, Reggi Serena, Canala Benedetta, Dell'Anno Matteo, Rossi Luciana

P12

Camelina cold pressed cake - a functional ingredient in the pet food.

Djuragic Olivera, Rakita Sladjana, Spasevski Nedeljka, Dragojlovic Danka, Milasinovic Seremesic Marija, Jeromela Marjanovic Ana, Cvejic Sandra

P13

Inclusion of fermented guar meal in weaning piglets diet as alternative source of vegetable protein in pork industry.

Fumo Valentina, Meli Giovanna, Fanelli Andrea, Antonacci Alessandro, Savoini Giovanni, Invernizzi Guido

P14

Effect of dietary inclusion of *Chlorella* algae on the nutritive value and physical properties of pelleted feed for laying hens.

Rakita Slađana, Čabarkapa Ivana, Banjac Vojislav, Stojkov Viktor, Vidosavljević Strahinja, Tomičić Zorica, Spasevski Nedeljka

P15

Aquaculture and food system: earthworms from waste biorefinery to eel feeding and conservation.

Tedesco Doriana Eurosia Angela, Zaccaroni Annalisa, Mordenti Oliviero, Serra Valentina, Pastorelli Grazia, Guerrini Alessandro

P16

The use of co-products of the agri-food industry in feeding dairy ruminants.
Meli Giovanna, Fumo Valentina, Giromini Carlotta, Perricone Vera, Sandrini Silvia, Savoini Giovanni, Agazzi Alessandro, Buccioni Arianna, Invernizzi Guido

P17

Effect of phytotherapeutic additives or rumen modifiers on dairy cattle colostrum yield and quality.

Esposito Giulia, Simoni Marica, Danese Tommaso, Pitino Rosario, Mantovani Giorgia, Righi Federico

P18

Sugary and salty Former Food Products slightly affect faecal microbiota when used to partially replace cereals in pigs' diet.

Tretola Marco, Mazzoleni Sharon, Silacci Paolo, Bee Giuseppe, Pinotti Luciano

P19

A new formulation with fermentative S Acetyl Glutathione and Silybin for dogs with liver disease.

Martello Elisa, Perondi Francesca, Bisanzio Donald, Lippi Ilaria, Meineri Giorgia, Gabriele Valeria, Bruni Natascia

P20

Effects of adding the functional additives in the diet of laying hens on physical, nutritive and sensory quality of eggs.

Spasevski Nedeljka, Peulić Tatjana, Rakita Slađana, Banjac Vojislav, Đuragić Olivera, Kokić Bojana, Maslovarić Marijana

P21

Fatal cyanide poisoning in cattle from sorghum forages.

Prizio Ilaria, Minkoumba Sonfack Gaetan, Giantin Stefano, Accurso Damiano, Peloso Mariantonietta, Caprai Elisabetta

P22

Fluoride in Italian feed: 5 years of monitoring.

Marchese Chiara, Brizio Paola, Stella Caterina, Leogrande Maria, Squadrone Stefania, Abete Maria Cesarina

P23

Validation of a method for the determination of selenomethionine in feed by HPLC-ICP-MS.

Liftinger Gerhard, Enengl Josef

P24

Rapid Alert Supply Network Extractor (RASNEX 2.0) tool to mine unstructured supply chain information from food and feed contamination notifications

Savateeva Daria, Salewski Matthew, Fauhl-Hassek Carsten, Lorenzen Marc C.

P25

Validation of a method for the determination of beta-Agonists in feed by liquid chromatography with tandem mass spectrometry according to the Commission Implementing Regulation (EU) 2021/808.

Termes Barcelo Silvia, Pardo-Mates Naiara, Rodriguez Martinez Pilar, Medina Sala Mireia

P26

Antibiotic use and appropriateness of treatments in Piedmontese swine farms for fattening.

Fortini Giulia, Barbero Raffaella, Millone Angelo, Grifoni Fabrizio, De Somma Donatella, Marchis Daniela

P27

Detecting different types of outlier in non-targeted spectroscopic data using a user-friendly routine.

Wustrack Felix, Valentin Lars, Fauhl-Hassek Carsten, Riedl Janet

P28

A new screening method for the search for nitrofurans in feed and drinking water by LC-MS/MS.

Carrillo Heredero Alicia Maria, Giovanetti Alice, Segato Giulia, Bertini Simone, Biancardi Alberto

P29

Determination of quinolizidine alkaloids (QAs) in feed and food with LC-MS/MS – Results of the implementation part of a method validation study.

Kappenstein Oliver, Seele Yannick, Hoyer Carolin

P30

Salmonella detection in livestock feed: analysis of data collected in the framework of the National Plan for Feed in Italy from 2012 to 2020.

Tassinato Clara, Barco Lisa, Ruggeri Margherita, Capello Katia, Manca Grazia, Cicero Carmelo, Collu Marco, Contu Laura, Cibir Veronica

P31

Development of a micro-NIRS- app-cloud system for on-site determination of the nutritional composition of poultry feed and its various ingredients.

Abbate Rossella, Ishizaki-Sroka Agata, Simmler Michael, Ishizaki Kotaro, Mulloni Alessandro, Juste Alexander, Ampuero Kragten Silvia

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Improvement of the safety and efficacy of propionic acid-based mould inhibitors for stored grains.

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Conference Venue

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HOW TO REACH THE CONFERENCE VENUE

Linate Airport

Is about 10 km from Milan city centre. Take bus N. 73 to the city centre and get off at Piazza Fontana, a few minutes walk from the University of Milan.

Malpensa Airport

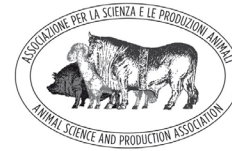
Is about 50 km from Milan city centre. There are trains (Malpensa express) and buses (Malpensa shuttle) to the Central Station and to Cadorna Railway Station. Once you are at Cadorna station take Metro 1 (direction: Sesto 1 maggio FS) and get off at Piazza San Babila if you intend to go to the congress venue.

The Central Station (Stazione Centrale)

Milan's main railway station, is located at the hub of the transport network. This is also where two of the main underground lines intersect (line 2/green line; line 3/yellow line). Buses (54, 60, 73, 84, 94) trams (12, 14, 15, 16, 23, 24, 27) and the underground (Duomo station – line 1; Missori station – line 3) all stop nearby.

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