



UNIVERSITÀ
DEGLI STUDI DELLA
TUSCIA

DIPARTIMENTO
DI SCIENZE AGRARIE
E FORESTALI



Progetto "Dipartimenti di eccellenza" - **Sostenibilità dei sistemi Agrari e ForEstali in ambiente Mediterraneo in un contesto di cambiamento globale (global change) [SAFE-Med]**



PIEVE TESINO/1-6 AUGUST 2022

Protein transition in animal feeding

Summer School

Con il supporto della Commissione di Studio Proteine innovative nell'alimentazione Animale - Associazione per la Scienza e le Produzioni Animali (ASPA)

With the support of the Study Commission on Innovative Proteins in Animal Feeding—Association for Science and Animal Production (ASPA)



SUMMER SCHOOL: PROTEIN TRANSITION IN ANIMAL FEEDING

La Summer School, tenuta in italiano e in inglese, riguarda gli aspetti principali e più recenti della nutrizione proteica degli animali da reddito, con un approccio teso a considerare le risorse proteiche in relazione ai differenti sistemi zootecnici.

The Summer School, held in Italian and English languages, has been conceived to address the main and recent topics of the protein nutrition in farmed animals. The approach encompasses different protein sources contextualized within the main animal production systems.

Informazioni/information

Internet

<https://bit.ly/3tbFOzM>



Contatti/contacts

proteins@unitus.it



SUMMER SCHOOL

Protein transition in animal feeding

Programma del corso/Course program

DAY	MORNING	AFTERNOON	EVENING
1 st Aug	Participants arrival	14:00-16:00 Pier Paolo Danieli Greetings & introduction of the Summer School (IT/EN) 16:00-18:00 Lea Pallaroni Feed sector overview: market and legislation (IT/EN)	
2 nd Aug	09:00-11:00 Thomas Spranghers . Black soldier fly and Yellow mealworm: the most promising insect species for mass production (EN/EN) 11:00-12:00. Daniel Murta . Insect sector, from bench to industry – the Black Soldier Fly case (on line) (EN/EN) 12:00-13:00. Daniel Murta . Insect protein, from novelty to commodity (on line) (EN/EN)	14:00-15:00 Laura Gasco . Factors to consider when using insect-derived products in animal feeds (IT/EN) 15:00-16:00 Matteo Ottoboni . Insects reared on selected/enriched substrates for designing feed specialties (IT/EN) 16:00— 18:00 Ilaria Biasato . Insect-based products in poultry and pig nutrition: current scenario and future perspectives (IT/EN)	21:00-22:30 Gasco/Biasato Workgroup 1 on the topic of insect as feed (literature survey/evaluation)
3 rd Aug	9:00-11:00 Mercedes Martin Pedrosa . Bioactive compounds in pulses (EN/EN) 11:00-13:00 Riccardo Primi . Underutilized protein sources for livestock feeding: pros and cons of their re-evaluation (IT/EN)	14:00-16:00 Concetta Maria Messina . Bioactive compounds in microalgae (IT/EN) 16:00-18:00 Antonio Jesus Vizcaino . Microalgae in animal nutrition (EN/EN) 18:00-19:00 WG 1 . Presentation of the teamwork	21:00-22:30 Tulli/Messina Workgroups 2-3 on the topic of plant proteins or microalgae (literature survey/evaluation)
4 th Aug	9:00-11:00 Youssef A. Attia . Method of improving protein utilization for poultry (EN/EN) 11:00-13:00 Mariangela Caroprese . Use of algae in ruminants feeding: effects on production and animal welfare (on-line) (IT/EN)	14:00-16:00 Brett Glencross . Fish by-products (EN/EN) 16:00-17:00 Jack Grushcow . Camelina by-products use in livestock feeding (on-line) (EN/EN) 17:00-18:00 Marco Cullere . Camelina by-products as livestock feed ingredients: scientific results (on-line) (IT/EN) 18:00-19:30 WGs 2-3 . Presentation of the teamwork	21:00-22:30 Tulli/Messina/Manganello Workgroup 4 on the topic of fish by-products or Camelina (literature survey/evaluation)



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5 th Aug	9:00-13:00 Francesca Tulli — Concetta Maria Messina. Technical visit to the Istituto S. Michele all'Adige (acquaculture)	14:00-18:00 Manuela Renna. Technical visit to the San Giuliano dairy farm. 18:30-19:00 WG 4. Presentation of the teamwork	
6 th Aug	8:30-9:45 Fabio Brambilla. Fish feed formulation: basic concepts and future perspectives (IT/EN) 9:45-11:00 Alessandro Galli. How to design a feed: dos and dont's (IT/EN) 11:00-13:00 Giuliana Parisi. Protein sources and product quality of farmed fishes (IT/EN)	Participants departure	

Sede/Venue

CSALP — Centro Studi Alpino (Università della Tuscia)

Pieve Tesino (TN), Via Rovigo 7

Informazioni e come raggiungere il CSALP: <https://www.unitus.it/it/dipartimento/csalp/chi-siamo/articolo/chi-siamo>

Information and how to get CSALP: <https://www.unitus.it/en/dipartimento/csalp/chi-siamo/articolo/chi-siamo>

COMITATO ORGANIZZATORE/ORGANIZING COMMITTEE

Pier Paolo Danieli — University of Tuscia
Laura Gasco — University of Turin
Manuela Renna — University of Turin
Federico Manganello — University of Tuscia

COMITATO SCIENTIFICO/SCIENTIFIC COMMITTEE

Fulvia Bovera — University of Napoli Federico II
Pier Paolo Danieli — University of Tuscia
Laura Gasco — University of Turin
Francesca Tulli — University of Udine
Rosaria Marino — University of Foggia
Alessandra Roncarati — University of Camerino
Matteo Ottoboni — University of Milano