



Slovak University of Agriculture
in Nitra



Università degli Studi del Molise



UTP, University of Science and
Technology in Bydgoszcz

International PhD Workshop on
Agriculture, Livestock and Food Technology and Biotechnology

Campobasso, November 26, 2015

**Aula F. Silvestri, Department of Agricultural, Environmental and Food Sciences
University of Molise**

Organized in the framework of
International PhD Programmes in
Agriculture Technology and Biotechnology
&
Welfare, Biotechnology and Quality of Animal Production

ORGANIZING COMMITTEE

Prof. Gianfranco Panfili

Prof. Raffaello Castoria

Prof. Giuseppe Maiorano (President)

SCIENTIFIC COMMITTEE

Prof. dr. hab. Marek Bednarczyk

Prof. dr. Peter Chrenek

Prof. Giuseppe Maiorano (President)

Secretary
Dr. Siria Tavaniello

**The Workshop was supported by the
Department of Agricultural, Environmental and Food Sciences,
University of Molise**

Workshop programme

Wednesday 25th of November

Arrival of participants

Thursday 26th of November

08.00 – 08:30 Registration

08.45 – 09.15 Welcome and greetings

Prof. Gianmaria Palmieri – *Rector of University of Molise, IT*
Prof. Raffaele Coppola – *Head of Department of Agricultural, Environmental and Food Sciences, University of Molise, IT*
Prof. Giuseppe Maiorano – *PhD Coordinator, Department of Agricultural, Environmental and Food Sciences, University of Molise, IT*

09.15 – 10.30 *I Scientific session: Welfare, Biotechnology and Quality of Animal Production*
Chairman: Prof. dr. hab. Marek Bednarczyk, Prof. dr. Marcela Capcarová

10.30 – 11.45 *II Scientific session: Welfare, Biotechnology and Quality of Animal Production*
Chairman: Prof. dr. Peter Chrenek, Prof. dr. Branislav Gálik

12.00 – 13.00 *Lunch buffet*

13.00 – 13.45 *III Scientific session: Food Science, Technology and Biotechnology*
Chairman: Prof. Gianfranco Panfili, Prof. Fabio Pilla

13.45 – 14.30 *IV Scientific session: Welfare, Biotechnology and Quality of Animal Production*
Chairman: Prof. Fabio Pilla, Prof. Gianfranco Panfili

14.30 – 16.00 *V Scientific session: Sustainable Plant Production and Protection*
Chairman: Prof. Antonio De Cristofaro, Prof. Giuseppe Lima

16.00 – 16.30 *Closing ceremony*
Prof. Vincenzo Di Nuoscio - *Delegate for Doctoral and Postgraduate programmes, University of Molise, IT*
Prof. Giuseppe Maiorano – *PhD Coordinator, Department of Agricultural, Environmental and Food Sciences, University of Molise, IT*

Agenda for oral presentations

Thursday November 26

I Scientific session – Welfare, Biotechnology and Quality of Animal Production

Chairman: Prof. dr. hab. Marek Bednarczyk, Prof. Marcela Capcarová

- 09.15–09.30 Tomáš Fekete
Development and optimization of DNA microarray for assessment of the variability of genes affecting perception of taste
- 09.30–09.45 Ondrej Hanušovský, Daniel Bíro, Milan Šimko, Branislav Gálik, Miroslav Juráček, Michal Rolinec
Monitoring ruminal pH of dairy cows from 4th to 18th week of lactation
- 09.45–10.00 Michal Kováč, Jaromír Vašíček, Peter Chreněk
Influence of passaging rabbit mesenchymal stem cells on their viability
- 10.00–10.15 Róbert Herkeľ, Branislav Gálik, Daniel Bíro, Michal Rolinec, Milan Šimko, Miroslav Juráček, Branislav Varga
The effect of oils on fatty acids profile in table eggs
- 10.15–10.30 Lenka Trembecká, Peter Haščík
Effect of natural feed additives on performance of broiler chickens, quality and oxidative stability of chicken meat

II Scientific session – Welfare, Biotechnology and Quality of Animal Production

Chairman: Prof. dr. Peter Chreněk, Prof. Branislav Gálik

- 10.30–10.45 Michalina Dębowska, J. Barna, É.Váradí, Paweł Łakota¹, Sebastian Knaga, Á. Drobnyák, N. Bodzsár, Izabela Kozłowska, Marek Bednarczyk
Sperm competition and genetic distance between Tetra hens and four rooster breeds
- 10.45–11.00 Aleksandra Dunisławska, Anna Sławińska, Maria Siwek, Marek Bednarczyk
Influence of Lactobacillus synbiotics administered in ovo on gene regulation in selected tissues of broiler chickens
- 11.00–11.15 Cinzia Abiuso, Katarzyna Stadnicka, Siria Tavaniello, Marek Bednarczyk, Giuseppe Maiorano
In ovo validation model to assess the efficacy of commercial prebiotics in enhancing broiler performance and reducing lipid oxidation of meat

- 11.15–11.30 Maria Nardoia, Susana Chamorro, Agustin Viveros, Ignacio Arijia, Donato Casamassima, Agustin Brenes
Effect of dietary fermented and unfermented grape skin and vitamin E on digestibility of polyphenols, antioxidant and antimicrobial activity in chickens
- 11.30–11.45 Anna Wilkanowska, Giuseppe Maiorano, Artur Mazurowski, Anna Frieske, Dariusz Kokoszyński, Sławomir Mroczkowski, Zenon Bernacki
Polymorphism of prolactin gene and its association with growth and some biometrical traits in ducks

III Scientific session – Food Science, Technology and Biotechnology

Chairman: Prof. Gianfranco Panfili, Prof. Fabio Pilla

- 13.00–13.15 Luisa Perugini, Ivan Notardonato, Pasquale Alvino, Francesco Lopez, Mario Vincenzo Russo
Development of an analytical method for the determination of Polycyclic Aromatic Hydrocarbons in large volume of surface water
- 13.15–13.30 Marco Preziuso, Tiziana Di Renzo, Gianfranco Panfili, Anna Reale
Southern Italian sourdoughs: technological characterization and exploitation of microbial biodiversity
- 13.30–13.45 Marina Sturchio
*Influence of environmental pressures on the antimicrobial activity expressed by *Lactobacillus plantarum**

IV Scientific session – Welfare, Biotechnology and Quality of Animal Production

Chairman: Prof. Fabio Pilla, Prof. Gianfranco Panfili

- 13.45–14.00 Harriet Angwech, Domenico Di Memmo, Anna Wilkanowska, Rossella Mucci, Cinzia Abiuso, Siria Tavaniello, Mario Gambacorta, Giuseppe Maiorano
*Effects of intramuscular Vitamin E multiple injections on growth performance, oxidative stability and sensory characteristics of *Laticauda* lamb meat*
- 14.00–14.15 Marsia Miranda, Michele Di Iorio, Angelo Manchisi, Nicolaia Iaffaldano
Cryopreserving turkey semen in straws and nitrogen vapor: effect of two different cryoprotectants (DMSO or DMA) and their concentrations on the post-thaw semen quality
- 14.15–14.30 Rossella Mucci, Harriet Angwech, Domenico Di Memmo, Anna Wilkanowska, Cinzia Abiuso, Siria Tavaniello, Giuseppe Maiorano
*Effects of intramuscular Vitamin E multiple injection on physicochemical and nutritional properties of *Laticauda* lamb meat*

V Scientific session – Sustainable Plant Production and Protection

Chairman: Prof. Antonio De Cristofaro, Prof. Giuseppe Lima

- 14.30 – 14.45 Laura De Acutis
*Biological activity of extracts from wild hop *Humulus lupulus* (L.) against *Sitophilus granarius* (L.)*
- 14.45 – 15.00 Maria Giovanna Di Stefano
*Studies on insecticidal activities of *Lavandula angustifolia* Miller (Lamiaceae) essential oil against the stored grain pest *Sitophilus granarius* (L.) (Coleoptera, Curculionidae)*
- 15.00 – 15.15 Marco Fierro, Davide Palmieri, Filippo De Curtis, Josefa Rubio, Teresa Millán, Giuseppe Lima
*Identification of genes involved in resistance to *Fusarium oxysporum* in chickpea (*Cicer arietinum*) ecotypes from Central Italy*
- 15.15 – 15.30 Tiziana Oppedisano, Federico Pedrazzoli, Cecilia Mittelberger, Antonio De Cristofaro, Claudio Ioriatti
Investigations on the transmission of apple proliferation phytoplasma by psyllids
- 15.30 – 15.45 Claudio Perone
Innovative mechanical ventilation for a greenhouse microclimate control
- 15.45 – 16.00 Sara Zanoni, Mario Baldessari, Antonio De Cristofaro, Claudio Ioriatti
Mediterranean fruit fly in Trentino: studies on the varietal susceptibility in apple