

NATIONAL RESEARCH-DEVELOPMENT INSTITUTE FOR ANIMAL BIOLOGY AND
NUTRITION

30 September -1 October 2021

IBNA Headquarters, Balotesti

16th International Symposium of Animal Biology and Nutrition
50 Years of Research in Biology and Animal Nutrition at IBNA

Symposium Program

THURSDAY, September 30, 2021

08.45 - 9.30 WELCOME AND BACKGROUND PRESENTATIONS (Moderator: H. Grosu)

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| Ministries Representatives | Opening speeches |
| H. Grosu, / C. Dragomir | Short Presentation of IBNA |

09.30- 13.00 FIRST SESSION OF SCIENTIFIC COMMUNICATIONS

(Moderators: C. Dragomir & I. Giannenas)

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| Ilias Giannenas <i>Aristotle University of Thessaloniki, Greece</i> | Metabolomics as a valuable tool for the evaluation of eggs after dietary supplementation with oregano, thyme, sideritis tea and chamomile on brown laying hens |
| Silvia Mironeasa <i>University of Suceava, Romania</i> | Meat quality parameters from broilers fed with a diet supplemented with grape by-products |
| Eleftherios Bonos <i>University of Ioannina, Greece</i> | Use of insect meals in monogastric animals' nutrition |
| Teodora Popova <i>Institute of Animal Science, Bulgaria</i> | Growth Performance of Broilers as Affected by Black Soldier Fly (<i>Hermetia illucens</i>) Meals in the Diet and Age |
| Ionelia Taranu <i>IBNA, Romania</i> | Assessment of yeast fermented rapeseed meal capacity to modulate inflammatory and oxidative stress in piglets after weaning |

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| Mihaela Vlassa <i>Inst Raluca Ripan, Romania</i> | Evaluation of some purine derivatives biomarkers in cow's milk. |
| Tatiana Panaite <i>IBNA, Romania</i> | Implementing innovative nutritional solutions to farmers market to obtain functional foods |
| Miuta Filip <i>Inst Raluca Ripan, Romania</i> | Assessment of some bioactive compounds in fermented rapeseed fodder |
| Gina Pistol <i>IBNA, Romania</i> | Assessment of bioactive components derived by-products on the epithelial integrity and immune markers in piglets as animal model |
| Arabela Untea <i>IBNA, Romania</i> | Broiler's meat oxidative stability as influenced by dietary natural antioxidants inclusion |
| Diamanto Lazari <i>Aristotle University of Thessaloniki, Greece</i> | Chemical composition and biological activities of selected medicinal-aromatic plants from Greece. |

13.00 - 14.00 BREAK

14.00 - 16.45 SECOND SESSION OF SCIENTIFIC COMMUNICATIONS

(Moderators: D. Marin & A. Untea)

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| Roua Popescu <i>Bucharest University, Romania</i> | Evaluation of the effects of aflatoxin B1 and ochratoxin A co-contamination on protein expression and enzyme activity of some CYPs P450 enzymes in piglets' liver and kidney |
| Andrei Anghel <i>IBNA, Romania</i> | Antibacterial potential of agro-industrial by products |
| Cristina Lazar <i>IBNA, Romania</i> | Review regarding the new genomic era, a fresh start up in sheep milk production for improving the selection with modern applications |
| Rodica Pelmus <i>IBNA, Romania</i> | Estimation the genetic parameters for milk yield in Romanian Spotted, Simmental type cattle breed |
| Mihaela Saracilă <i>IBNA, Romania</i> | Effect of dietary antioxidant sources on growth performance and intestinal microbiota in broiler chickens reared under normal temperature vs. constant heat stress |
| Alexandru Vlaicu <i>IBNA, Romania</i> | Effect of herbal feed additives on broilers meat quality |
| Gabriela Cornescu <i>IBNA, Romania</i> | Nutritional strategies to mitigate production parameters and egg quality under heat stress conditions– a comprehensive overview |
| Lavinia Idriceanu <i>IBNA, Romania</i> | Preliminary study on performances and manure nitrous oxide level of suckling piglets fed with milk from sows fed differently |
| Nicoleta Lefter <i>IBNA, Romania</i> | Nitrogen balance, performance and plasma parameters of growing pigs fed a mixture of leguminous diet |

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| Mihaela Dumitru <i>IBNA, Romania</i> | Effects of <i>Bacillus subtilis</i> as probiotic source in weaning piglets diet |
| Alexandra Oancea <i>IBNA, Romania</i> | The effects of including brewers spent yeast in sheep diets on various milk parameters |
| Teodor Gavriș <i>USAMV Bucharest, Romania</i> | Effect of parsley and inulin on bio-productive parameters and antioxidant nutrients of eggs provided by laying hens reared under heat stress conditions |

16.45 - 17.00 BREAK

17.00 - 18.00 THIRD SESSION OF SCIENTIFIC COMMUNICATIONS (*Invited Speakers*)

(Moderator: *H. Grosu*)

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| Raphael Mrode <i>Scotland Rural College, UK</i> | Genetics and genomic approaches for sustainable dairy cattle improvement, |
| Raluca Mateescu <i>University of Florida, USA</i> | Genomic approaches reveal pleiotropic effects for carcass and meat quality in beef |

FRIDAY; October 1st, 2021

09.00- 11.45 Sectoral plan for research and development in the field of agriculture and rural development of the Ministry of Agriculture and Rural Development, for the years 2019-2022, "Agriculture and Rural Development - ADER 2022 (Moderators: I. Taranu & M. Habeanu)

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| Mihai Gras <i>IBNA, Romania</i> | Use of genomic selection in Romanian cattle genetic evaluation. <i>ADER 8.1.6 – IBNA</i> |
| Alexandru Mizeranski <i>S.C.D.B ARAD, Romania</i> | Genome-wide association study of somatic cell score in Romanian Brown cattle (<i>ADER 8.1.6</i>) |
| Reta Drăghici <i>SCDCPN Dăbuleni, Romania</i> | Valorization of thermo-hydric stress in the area of sandy soils by promoting in culture of some cow pea genotypes (<i>Vigna unguiculata</i> [L] Walp) (<i>ADER 1.4.2</i>) |
| Gabriela Vasile <i>ECOIND, Romania</i> | Ranking the dietary treatments of broiler chickens (<i>ADER 9.1.2</i>) |
| Daniela Marin <i>IBNA, Romania</i> | Mycotoxin occurrence in samples of cereals and feed from South Eastern Romania between 2019-2020 (<i>ADER 9.2.1</i>) |
| Mihai Palade <i>IBNA, Romania</i> | Mycotoxin reduction in animal feed: detoxifying potential of adsorbent materials used as feed additives (<i>ADER 9.2.1</i>) |
| Iulian Grosu <i>IBNA, Romania</i> | The effects of low dose OTA exposure on piglet microbiota (<i>ADER 9.2.1</i>) |
| Cristina Bulgaru <i>IBNA, Romania</i> | Preliminary results concerning the effect and mechanisms of action of zeralenone on intestinal epithelium (<i>ADER 9.2.1</i>) |
| Cătălin Rotar <i>IBNA, Romania</i> | Progress in the genomic characterization of local sheep populations and estimation of genomic breeding values (<i>ADER 8.1.10</i>) |
| Mihaela Habeanu <i>IBNA, Romania</i> | Nitrous oxide prediction in manure from pigs given mustard x grapeseed oil cakes as a replacement for sunflower meal (<i>ADER 9.1.4</i>) |
| Anca Gheorghe <i>IBNA, Romania</i> | Preliminary research on growth performance and carcass quality of a novel crossbreed slow-growing broilers in Romania (<i>ADER 8.1.9</i>) |

11.45 - 12 BREAK

12.00-13.00 FORTH SESSION OF SCIENTIFIC COMMUNICATIONS

(Moderator: C. Dragomir)

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| Alexander Atanasoff <i>Trakia University, Bulgaria</i> | The effect of dietary addition of a synbiotic after long-term starvation on certain biochemical parameters and liver structure in common carp (<i>Cyprinus carpio L.</i>) |
| Petruta Alexandru <i>IBAR, Romania</i> | Antiviral effect of grape seed extracts against enveloped RNA viruses |
| Ana Cismileanu <i>IBNA, Romania</i> | The effects of including brewer's spent yeast in sheep diets on rumen parameters |
| Throude Sindy, IDELE, France & Catalin Dragomir, IBNA, Romania | The LIFE Green Sheep project: for a low carbon and sustainable sheep farming |

13.00-13.30 FINAL DISCUSSION