



THE 14TH INTERNATIONAL SYMPOSIUM

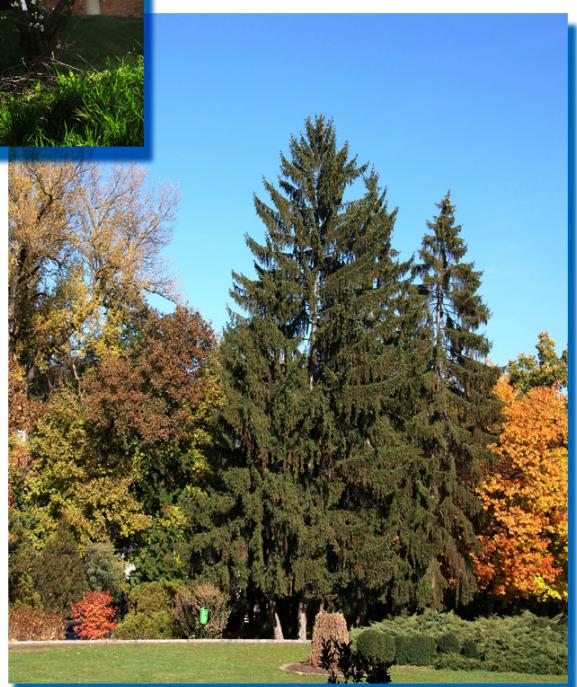
PROSPECTS FOR THE 3rd MILLENNIUM AGRICULTURE

24th - 26th of September 2015, Cluj-Napoca, Romania



BOOK OF ABSTRACTS

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IMPRESSUM

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THE 14th INTERNATIONAL SYMPOSIUM

“PROSPECTS FOR THE 3rd MILLENNIUM AGRICULTURE”

24th – 26th of September 2015
Cluj-Napoca, Romania

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WELCOME MESSAGE

We are pleased to welcome you at the University of Agricultural Sciences and Veterinary Medicine from Cluj-Napoca, Romania to share our scientific performance and progress during this special scientific event.

The University of Agricultural Sciences and Veterinary Medicine from Cluj-Napoca, recently classified in the first category of “advanced research” universities of Romania, place also confirmed by the European University Association (EUA). The University becomes nowadays one of the most prestigious academic institutions from Romania.

The 14th International Symposium "Prospects for the 3rd Millennium Agriculture", is a dynamic forum of exchanges for scientific experiences, innovative ideas and concepts, future prospects in agriculture, plant and animal science, food science and technology, biotechnology, veterinary medicine, as well in other interdisciplinary and transdisciplinary areas.

The 14th International Symposium "Prospects for the 3rd Millennium Agriculture" includes invited conferences, presented by known international and national personalities, oral and poster presentations, as well round tables and exhibitions, where recent advanced scientific and technical results can be seen, especially now, in the context of the new European Research Program "Horizon 2020" and of the national Research – Technological Development and Innovation Program, related to Life Sciences.

The symposium program will consist of ten main sections:

1. Agriculture
2. Environmental Protection and Sustainable Development
3. Food Science and Technology
4. Horticulture and Forestry
5. Economics and Rural Development
6. Animal Science
7. Biotechnology
8. Veterinary Medicine - Fundamental and preclinical sciences
9. Veterinary Medicine - Clinical sciences
10. Land Measurement, Natural and Humanistic Sciences

The participants registered to our symposium have the opportunity not only to present their results, published as summary in the “Book of Abstracts” but also to publish in extenso their contributions. The oral presentations, after a previous peer review process, can be published in the journal Bulletin of UASVM-CN nr. 72(2)/2015 – Agriculture, Horticulture, Animal Science-Biotechnology, Veterinary Medicine and Food Science and Technology.

This proceedings’ “Book of Abstracts” contain 584 abstracts submitted by participants from different countries. We wish to thank all participants and organizers for making this meeting possible. We do hope that you will find during the 14th International Symposium an interesting program and a great opportunity to interact with colleagues and friends from Romania.

With best wishes,

Prof. dr. Doru PAMFIL, Rector

Prof. dr. Carmen SOCACIU, Vice-rector for Research

ANNOTATION

**The abstracts and contact information are submitted by the main authors.
Each author explicitly confirms that the abstract meets the ethical standards for authors
and coauthors.**

INFLUENCE OF HEPATOPROTECTIVE ON THE REDUCTION OF NEGATIVE EFFECTS OF NATURALLY CONTAMINATED FOOD IN BROILERS

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Key words: broilers, productive parameters, hepatoprotectives

Introduction. Output of the poultry industry in the world has been on the rise, with expected production levels of 100 million tons this year, to 143 million tones expected in 2030., which will form 40% of the world's total meat production. Broiler production today accounts for 85% of poultry production in the world due to the dynamic production and rapid capital turnover.

Aims. Duration cycles of 42 days, final body weight of 2.5 kg, feed conversion ratio 1,8-2kg food per kilo make this sort of production attractive for producers.

Material and methods: Considering economics of broiler production, in order to achieve the desired weight gain, conversion speed growth and carcass quality, apart from selection of line hybrids with high genetic potential and fulfillment of technological requirements in production nutrition certainly has the greatest impact

Results. In a study conducted at the experimental farm "Crvenka" we examined the effects of adding different combinations of hepatoprotective substances in foods naturally contaminated with mycotoxins on productive performance of Cobb 500 hybrid. Mortality, growth, feed intake, meat yield, analyzed metabolic profiles and level of oxidative stress (MDA) in the blood were recorded in 1200 chickens. Pathomorphological and histopathological examination of the liver samples of slaughtered poultry were also carried out.

Conclusion. Based on the results of these tests we believe that adding hepatoprotective substances can significantly reduce the negative effects of naturally contaminated food on the performance and health of broilers.