



# BOOK OF ABSTRACTS



## International symposium on animal sciences

18-20.09.2023.

NOVI SAD, SERBIA

#ISAS\_2023

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## **THE INTERNATIONAL SYMPOSIUM ON ANIMAL SCIENCE (ISAS) 2023**

*18-20.09.2023. Novi Sad, Serbia*

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### **Co-Sponsorship**

European Society of Agricultural Engineers



**ISBN: 978-86-7520-593-7**

THE INTERNATIONAL SYMPOSIUM ON ANIMAL SCIENCE (ISAS) 2023

Book of Abstracts

**Publisher**

University of Novi Sad, Faculty of Agriculture

21000 Novi Sad, Trg D. Obradovića 8

Tel.: ++(021) 6350-711; 4853-308;

polj.uns.ac.rs

**On behalf of Publisher**

Prof. dr Nedeljko Tica

**Editor in Chief**

Prof. dr Denis Kučević

**Paper review**

All papers reviewed by The International Board of Reviewers

**Recorded by**

Faculty of Agriculture, Novi Sad

**Cover**

Dejan Beuković

**Copies**

500

CIP - Katalogizacija u publikaciji  
Biblioteke Matice srpske, Novi Sad

636(048.3)

**INTERNATIONAL Symposium on Animal Science (2023 ; Novi Sad)**

Book of abstracts [Elektronski izvor] / The International Symposium on Animal Science (ISAS) 2023, 18-20. 9. 2023, Novi Sad, Serbia ; [editor in chief Denis Kučević]. - Novi Sad : Faculty of Agriculture, 2023

Način pristupa (URL): <http://isasevent.com>. - Opis zasnovan na stanju na dan 11.9.2023. - Nasl. sa naslovnog ekrana.

ISBN 978-86-7520-593-7

a) Сточарство -- Апстракти б) Анимална производња -- Апстракти

COBISS.SR-ID 124311305

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**Symposium is supported by:**

Ministry of Science, Technological Development and Innovation

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## DETERMINATION OF NEW WELFARE AND STRESS INDICATORS ON CATTLE AND PIG FARMS BASED ON PREVIOUSLY PUBLISHED STUDIES

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### SUMMARY

In recent years, numerous papers have been published that consider indicators of welfare and stress of the animals on cattle and pig farms with the aim of improving their health and productivity. These indicators are mostly determined in numerous international projects and published in indexed journals and proceedings from international symposia. Their usefulness in on-farm assessments of animal welfare and stress are generally well recognized. In the assessments of the welfare and stress of the animals in different systems of rearing and accommodation, the need to determine new welfare and stress indicators on cattle and pig farms was observed. The paper discusses the determination of new indicators of the animal welfare and stress on cattle and pig farms based on analysis of previously published studies which include the most important papers in indexed journals and proceedings from international symposia that discussed the existing indicators. The analysis of the results of those studies will be used to determine the main characteristics of the existing new welfare and stress indicators on cattle and pig farms with a focus on their applicability. The results, discussions and conclusions in those papers will be used to generate ideas to define new welfare and stress indicators of the animals on cattle and pig farms.

**Key words:** cattle, pig, welfare indicators, stress indicators, analyses of literature