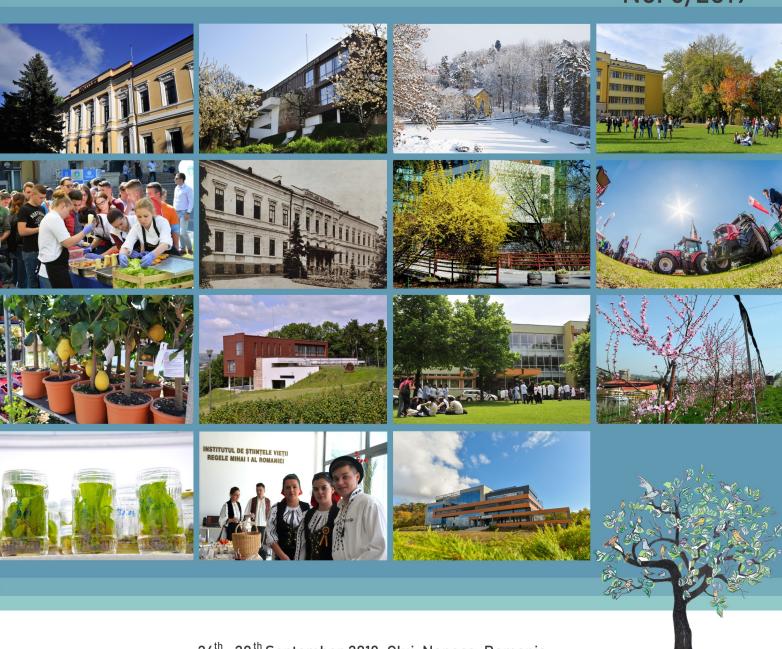




BOOK OF ABSTRACTS

No. 6/2019



26th- 28th September 2019, Cluj-Napoca, Romania www.usamvcluj.ro

IMPRESSUM

Published by University of Agricultural Sciences and Veterinary Medicine of Cluj-Napoca

Editor in chief Prof. Dan. C. VODNAR, PhD.

Printed by AcademicPres (EAP),

3-5 Manastur Street, Cluj-Napoca, 400372

Romania

Web page http://symposium.usamvcluj.ro/

IMPRESSUM

University of Agricultural Sciences and Veterinary Medicine of Cluj-Napoca

under the patronage of Romanian

Ministry of National Education Ministry of Agriculture and Rural Development Ministry of Research and Innovation

Acknowledgements

This work has benefited from partial financial support through the 37 PFE-2018-2020 project, supported by Ministry of Research and Innovation – UEFISCDI and the 12M / 2019 project, supported by Ministry of Research and Innovation.

Organize

THE 18th INTERNATIONAL CONFERENCE "LIFE SCIENCES FOR SUSTAINABLE DEVELOPMENT"

26th – 28th of September 2019 Cluj-Napoca, Romania

Thanks to our sponsors and parteners

Agronomia Agro Food Innovation SRL

Cramele JIDVEI

Stațiunea de Cercetare-Dezvoltare pentru Viticultură și Vinificație Bujoru

Stațiunea de Cercetări Horticole USAMV Cluj-Napoca

Stațiile pilot ale Facultății de Știința și Tehnologia Alimentelor, USAMV Cluj-Napoca

La Casa, Cluj-Napoca

Cofetaria Petrișor, Cluj-Napoca

Ferma Steluța Cluj-Napoca

Mediclim SRL

MARAVET SA

Primăria Municipiului Cluj-Napoca

LIST OF ABSTRACTS

ORAL P	PRESENTATIONS	8
SES	SSION 1: AGRICULTURE	<i>9</i>
SES	SSION 2: ENVIRONMENTAL PROTECTION	39
SES	SSION 3: FOOD SCIENCE AND TECHNOLOGY	59
SES	SSION 4: HORTICULTURE AND FORESTRY	90
SES	SSION 5: ECONOMICS AND RURAL DEVELOPMENT	116
SES	SSION 6: ANIMAL SCIENCE	137
SES	SSION 7: BIOTECHNOLOGY	148
SES	SSION 8: VETERINARY MEDICINE - FUNDAMENTAL AND	
	PRECLINICAL SCIENCES	158
SES	SSION 9: VETERINARY MEDICINE - CLINICAL SCIENCES	175
SES	SSION 10: GEODESY, GEOMATICS AND PROPERTY VALUATION	195
POSTER	R PRESENTATIONS	209
	SSION 1: AGRICULTURE	
SES		210
SES SES	SSION 1: AGRICULTURE	210
SES SES	SSION 1: AGRICULTURESSION 2: ENVIRONMENTAL PROTECTION	210 236 249
SES SES SES	SSION 1: AGRICULTURESSION 2: ENVIRONMENTAL PROTECTIONSSION 3: FOOD SCIENCE AND TECHNOLOGY	210 236 249 328
SES SES SES SES	SSION 1: AGRICULTURESSION 2: ENVIRONMENTAL PROTECTIONSSION 3: FOOD SCIENCE AND TECHNOLOGYSSION 4: HORTICULTURE AND FORESTRY	210 236 249 328
SES SES SES SES SES	SSION 1: AGRICULTURESSION 2: ENVIRONMENTAL PROTECTIONSSION 3: FOOD SCIENCE AND TECHNOLOGYSSION 4: HORTICULTURE AND FORESTRYSSION 5: ECONOMICS AND RURAL DEVELOPMENT	210 236 249 328 374
SES SES SES SES SES	SSION 1: AGRICULTURESSION 2: ENVIRONMENTAL PROTECTIONSSION 3: FOOD SCIENCE AND TECHNOLOGYSSION 4: HORTICULTURE AND FORESTRYSSION 5: ECONOMICS AND RURAL DEVELOPMENTSSION 6: ANIMAL SCIENCE	210 236 249 328 374
SES SES SES SES SES	SSION 1: AGRICULTURE SSION 2: ENVIRONMENTAL PROTECTION SSION 3: FOOD SCIENCE AND TECHNOLOGY SSION 4: HORTICULTURE AND FORESTRY SSION 5: ECONOMICS AND RURAL DEVELOPMENT SSION 6: ANIMAL SCIENCE SSION 7: BIOTECHNOLOGY	210 236 328 374 378
SES SES SES SES SES SES	SSION 1: AGRICULTURE SSION 2: ENVIRONMENTAL PROTECTION SSION 3: FOOD SCIENCE AND TECHNOLOGY SSION 4: HORTICULTURE AND FORESTRY SSION 5: ECONOMICS AND RURAL DEVELOPMENT SSION 6: ANIMAL SCIENCE SSION 7: BIOTECHNOLOGY SSION 8: VETERINARY MEDICINE - FUNDAMENTAL AND	210 236 328 374 378 395

LOCOMOTION DISODERS IN PIGS ON COMMERCIAL FARM (REVIEW RESEARCH)

Jovan BOJKOVSKI¹, Renata RELIĆ², Jasna PRODANOV-RADULOVIĆ³, Radiša PRODANOVIĆ¹, Ivan VUJANAC¹, Sreten NEDIĆ¹, Sveta ARSIĆ¹, Ivan DOBROSAVLJEVIĆ⁴, Ivan PAVLOVIĆ⁵, and Zsolt BECSKEI¹

¹Faculty of Veterinary Medicine, University of Belgrade, Belgrade, Serbia ²Faculty of Agriculture, University of Belgrade, Belgrade-Zemun, Serbia ³Scientific Veterinary Institute "Novi Sad", Novi Sad, Serbia . ⁴Specialistic veterinary institute, Požarevac, Serbia *Corresponding author, e-mail: bojkovski@vet.bg.ac.rs

Introduction: The problems with the musculoskeletal system in all categories of pigs are common at industrial swine farms representing one of the major issues leading to exclusion of pigs, sows and boars from the production process. Topographic-anatomic relationships of bone and joint system of pigs make the diagnosis difficult in cases of illness affecting the upper parts of the limbs, pelvis and spine. In most cases, the presenting clinical sign is lameness, the cause of which can be determined only by a careful clinical examination. **Aims:** Presence of locomotor system disorders was monitored in pigs, sows and boars on two commercial farms.

Materials and Methods: Development of health problems associated with locomotor system pigs, and boars was monitored on two commercial **Results:** Arthritis, wounds in the region of joints, mechanical acropodial lesions. Lesions in the region of the foot corium. Inflammation of the periarticular tissue of the front right leg. Clinical picture is predominantly characterized by difficulty walking and painful swelling spreading from the shoulder joint to the carpal joint. Inflammatory process develops over time Conclusion Presence of locomotor system disorders was monitored in pigs, sows and boars on two commercial pig farms. Presence of arthritis was evidenced in the higher percent of cases, while aseptic inflammation of the soft parts of feet and chronic inflammation of the foot pads were sporadic. As for the acropodial diseases, panaritium was the most common. Locomotor system disorders cause economic losses and exclusion from the reproduction program.

Keywords: *Disorders, locomotion, pig,* **References**

- 1. Bojkovski, J., Maletić M., Vakanjac S, Zdravković N., Vasić A., Maletić J., Apić I., Vasiljević T., Delić N. (2015) Breeding and exsploitation of boars on commercial farm Lucrări stiinlifice medicină veterinară XLVIII(1) 15-24 Timisoara
- 2. .Bojkovski, J., Vasiljević Teodora, Stojanović Dragica, Rogiožarski, D (2014) Animal health control pigs on commercial farms, Arhiv veterinarske medicine, vol 7 br 1 .str.59-69.

Acknowledgment. This study has been financed by Ministry of Education, Science and Tehnological development Republic of Serbia Tr 31071