



UNIVERSITY OF BELGRADE
FACULTY OF VETERINARY MEDICINE
THE 11th SUMMER SCHOOL FOR MOUNTAIN ANIMAL BREEDING
Stara planina, 12.07–19.07.2024.

The 11th SUMMER SCHOOL FOR MOUNTAIN ANIMAL BREEDING titled »PRESERVATION OF AGROBIODIVERSITY AND CONSERVATION OF AUTOCHTHONOUS ANIMAL BREEDS« in English language from 12. July, 2024 until 19, July, 2024, for undergraduate students of veterinary medicine (fourth, fifth or sixth year of study) from Serbia and from abroad.

The program would focus on field workshop(s), with attention to veterinary practice in Organic farms of cattle, sheep, goats, horses and donkeys to the students of veterinary medicine. The practice would also introduce students to the good practice and safety control of on farm production of milk, meat and other products.

Background

Faculty of Veterinary medicine, University of Belgrade founded the Education Centre for Mountain Animal Breeding at Balkan Mountain (Stara Planina) in aim to develop practical skills and broaden knowledge in land based organic animal production system designed upon traditional extensive animal breeding of autochthonous breeds/types included in the program of agrobiodiversity conservation, under pressure of climate change that is affecting the South/East Europe. Extramural Base for Mountain Animal Breeding of the Faculty of veterinary Medicine, University of Belgrade is situated in village Gornji Krivodol within the zone of the protected nature in the Nature Park “Stara Planina” near the Serbian-Bulgarian border. The premise is at altitude of 860m where from, mountain pastures used for grazing of locally adapted/autochthonous sheep, goats, cattle, water buffalo, domestic mountain pony and donkeys raise towards the altitude of 1600-2000m.

Aims

The broadening of the knowledge of undergraduate students in the field of eco-friendly land-based organic animal production designed upon extensive mountain pasture breeding tradition, training in the fields of the legislative frame of organic production, exploitation and health control in organic animal production and training in quality and hygiene of organic animal products. The introductory in autochthonous domesticated biodiversity of the Serbia and Balkan as locally adapted, sturdy and disease resistant resource suitable for the preservation of agro-ecosystem and organic breeding is also included in the program.

Special emphasis is to be devoted to sustainability and importance of controlled grazing for preservation of natural habitat and landscape.

1. XI SUMMER SCHOOL FOR MOUNTAIN ANIMAL BREEDING

PROGRAMME TITLE: PRESERVATION OF BIODIVERSITY AND PRESERVATION OF AUTOCHTHONOUS ANIMAL BREEDS

TIME: 12.07–21.07.2024

NUMBER OF STUDENTS: 6 (and 4 students of Faculty of Veterinary medicine University of Belgrade)

LANGUAGE: ENGLISH

PROGRAMME

12.07.2023. BELGRADE

- 09:00 Arrival at the Faculty of Veterinary Medicine, visit and reception at the Rectorate Office University of Belgrade
Presentation of the Department for Hygiene and Technology of Animal Food: Presentation of the Laboratories for Meat Processing and for Milk Hygiene
- 13:00 Departure from Faculty of Veterinary Medicine, Belgrade, expected arrival to Gornji Krivodol (Summer School Campus) around 17:00, accommodation and introduction to the surrounding environment
- 20:00 THE ROLE OF FACULTY OF VETERINARY MEDICINE IN AGROBIODIVERSITY CONSERVATION PROCESS, MONITORING OF ANIMAL HEALTH AND PRESERVATION OF AUTOCHTHONOUS DOMESTIC ANIMAL BREEDS OF SERBIA
Ružica Trailović

13.07.2023. Gornji Krivodol

- 9:00 WORKSHOP: ASSESMENT OF WELFARE AND BODY CONDITION SCORING: Farm of autochthonous sheep and show farm Magi (health control of animals)
- 12:00 MUNICIPALITY OF DIMITROVGRAD – AGROBIODIVERSITY PARK AND CENTER FOR IN SITU CONSERVATION OF AUTOCHTHONOUS ANIMAL BREEDS AND ANIMAL BREEDING TRADITION
Sergej Ivanov, DVM / Secretary for Rural development
- 16:00 AUTOCHTHONOUS BREEDS: THE IMPORTANCE OF CONSERVATION AND STATUS OF THE AUTOCHTHONOUS ANIMAL BREEDS OF SERBIA
Ružica Trailović

17:00 WORKSHOP: ASSESMENT OF WELFWARE AND BCS IN AUTOCHTHONOUS BUSHA CATTLE, BUFALLO AND BALKAN GOAT: Farm practice, monitoring of health, separation of animals with symptoms, lame animals, examination and sampling for laboratory diagnostics-

Teachers of the Faculty of Veterinary Medicine

14.07.2024. VRELO – VISITOR CENTER “STARA PLANINA”

10.00–11:30 THE IMPORTANCE OF NATURE PARK STARA PLANINA IN ACTION PLAN FOR AGROBIODIVERSITY CONSERVATION – FOREST AND GRASSLEND HABITATS AND FAUNA OF STARA PLANINA (BALKAN MOUNTAIN)
Darko Đorđević

12.00–13.30 AGROBIODIVERSITY AND AUTOCHTHONOUS ANIMAL PRODUCTION
Sergej Ivanov, Ružica Trailović

15.00–18.00 First nature protection zone / the challenges for monitoring of diseases in wild animals, ecological aspect of pasture, monitoring of animal health in the natural habitat. Visit to Vrelo (trout pond, Dojkinacka river valley, waterfalls, Slavinja Gorge, Organic sheep farm, and Mountain pony farm in Izatovci).

15.07.2023. GORNJI KRIVODOL

09.00–10.00 MILK PLANT AND FARM ABATTOIR: traditional milk and meat products, organic certification and geographic certification of animal production
Ružica Trailović, Nikola Čobanović, management personnel

10.00-11.00 AUTOCHTHONOUS BREEDS OF SERBIA AND THE REGION
Ružica Trailović

11.00–14:00 WORKSHOP: Processing of meat products, traditional recipes: frankfurters (viršle), sausages (kobasice), etc. (Nikola Čobanović)

16:00 Artisan milk and meat processing – safety and risks of on farm processing of milk and meat

16.07.2024.

09.00–10.00 PREVENTION AND CONTROL OF PARASITIC INFECTIONS IN ORGANIC PRODUCTION IN FREE RANGE SYSTEM ON NATURAL PASTURES
Nemanja Jovanović/Aleksandra Mitrović/

10.00–11:00 CONTEMPORARY BIOTECHNOLOGICAL PROCEDURES IN ANIMAL REPRODUCTION: CONSERVATION IMPORTANCE AND PRACTICAL IMPLEMENTATION
Vladimir Magaš/Milan Maletić

12.30–14.00 MONNITORING OF HEALTH OF AUTOCHTHONOUS DOMESTIC RUMINANTS AND PIGS IN TRADITIONAL FREE RANGE BREEDING SYSTEM ON NATURAL PASTURE
Aleksandra Mitrović

17.00-19:30 Welfare status and examination of Busha cattle (welfare assessment and BCS), sampling for parasitology

17.07.2023. DIMITROVGRAD /GORNJI KRIVODOL

08:30-10:00 Artisan Milk Plant: Stara Planina / School for Milk Processing, Pirot: Traditional milk production – kachkavalj, white cheese,

10.00–11.00 Workshop ORGANIC EQUINE BREEDING: REPURPOSING OD AUTOCHTHONOUS HORSES AND DONKEYS FOR PRODUCTION OF MILK.: Assessment of welfare, separation and examination of animals showing symptoms of health disturbance, control of parasites in organic production, consumption of hazardous (toxic, photosensitizing) plants, collection of plants on the pasture

/Ružica Trailović / Aleksandra Mitrović, Svetlana Grdović

16:00–17:00 LEGISLATIVE FRAME FOR ORGANIC BREEDING OF SHEEP; GOATS; CATTLE; PIGS; POULTRY AND HONEY BEE
Aleksandra Mitrović/Ružica Trailović

17:00 Milking of sheep, goats, cows and donkeys - traditional procedures and food safety (Ružica Trailović, Aleksandar Vasov, Sergej Ivanov, Nikodije Velinov)

18.07.2023.

09:00 FLORAL DIVERSITY – NUTRITIOUS, MEDICINAL AND TOXIC PLANTS ON STARA PLANINA

Svetlana Grdović

10:00 HEALTH CONTROL AND MONITORING OF DISEASES IN WILD AND FREERANGING DOMESTIC ANIMALS

Darko Marinković

11:00 TRANSMITORS OF INFECTIOUS AND PARASITIC DISEASES ON MOUNTAIN PASTURES AND CONTROL OF PARASITIC DISEASES IN FREERANGING ANIMAL PRODUCTION

(Regional Veterinary Institute, Zaječar, Niš, Darko Marinković)

15:00 Field practice:

Cow welfare, BCS, ultrasonographic evaluation in cow reproduction, mastitis diagnostics, lameness and hoof trimming in ruminants (Vladimir Magaš, Milan Maletić)

Equine welfare, BCS, ultrasonographic evaluation in cow reproduction, mastitis diagnostics, evaluation of lameness and hoof trimming (Ružica Trailović / Aleksandra Mitrović),

Identification of pasture plants (Svetlana Grdović)

19.07.2023. GORNJI KRIVODOL,

09:00 Certificate award and departure to Belgrade

LECTURES (Faculty of Veterinary Medicine): Ružica Trailović, Vladimir Magaš, Milan Maletić, Darko Marinković, Nikola Čobanović, Svetlana Grdović, Aleksandra Mitrović,)

LECTURERS AND DEMONSTRATION FROM PIROT AND DIMITROVGRAD: Sergej Ivanov, Darko Đorđević, Aleksandar Vasov, Nikodije Velinov

SUMMER SCHOOL Program is in accord to Students Practice - IOMAS:

1. Summer practice (after the 4th year of studies)
2. Student practice in Elective Courses 2 (Social Animal Medicine) and 3 (Farm Animal Medicine)
3. Student Practice in Elective Course 4 * according to the number of days spent on the field)

Notice: The program on the field can be changed due to unforeseen circumstances (weather conditions, diseases, etc.)

Prof. dr Ružica Trailović,
Summer School for Mountain Animal Breeding

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Education Center for Mountain Animal Breeding, Donji Krivodol, Balkan Mountain (Stara Planina)

