

Topics for foreign candidates

Discipline: forestry (4)

1.

Department of Ecology and Silviculture - Faculty of Forestry

Head of the Department: prof. dr hab. inż. Stanisław Małek

Topic: Optimization of silviculture procedures in fir stands with a close-to-selection structure in the area of RDLP Kraków

2.

Department of Ecology and Silviculture - Faculty of Forestry

Head of the Department: prof. dr hab. inż. Stanisław Małek

Topic: Dynamics of primary forest stands growing in mountainous areas of Southern Poland

3.

Department of Forest Biodiversity - Faculty of Forestry

Head of the Department: prof. dr hab. inż. Jerzy Szwagrzyk

Topic: Spatial and temporal changes in prevalence and abundance of selected mammals in landscape mosaic

4.

Department of Forest Ecosystem Protection – Faculty of Forestry

Head of the Department: dr hab. inż. Robert Jankowiak, prof. URK

Topic: Physiological, biochemical and molecular basis of selected tree species tolerance to drought and elevated temperature stress

Discipline: agriculture and horticulture (1)

1.

Department of Agroecology and Crop Production - Faculty of Agriculture and Economics

Head of the Department: dr hab. inż. Andrzej Oleksy, prof. URK

Topic: Herbicidal potential of selected essential oils and their main compounds against model species of weeds and crops

Discipline: nutrition and food technology (3)

1.

Department of Animal Product Technology – Faculty of Food Technology

Head of the Department: prof. dr hab. inż. Jacek Domagała

Topic: The post-extraction by-product from industrial hemp, as a food ingredient with functional properties

2.

Department of Animal Product Technology – Faculty of Food Technology

Head of the Department: prof. dr hab. inż. Jacek Domagała

Topic: Silver skin, coffee processing by-product, as a food ingredient with high nutritional and functional properties

3.

Department of Animal Product Technology – Faculty of Food Technology

Head of the Department: prof. dr hab. inż. Jacek Domagała

Topic: Investigation into the potential utilization of amino acids as supplementary substances in meat processing

Discipline: animal science and fisheries (2)

1.

Department of Animal Reproduction, Anatomy and Genomics – Faculty of Animal Science

Head of the Department: prof. dr hab. Monika Bugno-Poniewierska

Topic: Analysis of cytogenetic and transcriptomic changes in sperm of horse (*Equus caballus*) in terms of genetically determined disorders of fertility correlated with age

2.

Department of Animal Reproduction, Anatomy and Genomics – Faculty of Animal Science

Head of the Department: prof. dr hab. Monika Bugno-Poniewierska

Topic: Analysis of the usefulness of modern clinical and laboratory techniques in the assessment of testicular function in a domestic horse (*Equus caballus*)

European horticulture program (Eurohort)

Discipline: agriculture and horticulture (1)

1.

Department of Plant Biology and Biotechnology – Faculty of Biotechnology and Horticulture

Head of the Department: prof. dr hab. inż. Rafał Barański

Topic: Induction of gametic embryogenesis in *Vicia faba* L