

DOKTORSKÝ STUDIJNÍ PROGRAM / DOCTORAL STUDY PROGRAM

VÝPSÁNÍ TÉMATU / LISTING OF TOPIC

Studijní program / Study Program: **Animal Science**

Katedra / Department of: **Zoology and Fisheries**

Školitel, email / Supervisor, email: prof. Ing. Iva Langrová, CSc., langrova@af.czu.cz

Konzultant, email / Co-supervisor, email:

Forma studia / Form of Study: **Full_time**

Téma / Topic: Gastrointestinal Nematodes of Ruminants

Hypotézy / Hypotheses: Gastrointestinal nematodes of ruminants are common parasites of both domestic and wild ruminants. They differ in their biology, and many of them are not clearly defined at the species level from a taxonomic perspective.

Anotace / Summary: Gastrointestinal nematodes are among the most common parasites of both domestic and wild ruminants. Most of them are well known based on their morphological characteristics, while species identification using both morphological and molecular data is less common. Even less is known about how much individual nematode species differ across various host species.

The work will focus on obtaining molecular data on gastrointestinal nematodes from different hosts, followed by morphometric identification of the nematodes to species level, or the determination of basic characteristics of the parasite's life cycle.

V / In Prague

dne / Date: 10.11.2025

Podpis školitele / Signature of the Supervisor:

Podpis konzultanta / Signature of the Co-supervisor:

Podpis vedoucího katedry / Signature of the Head of the Department:

Příloha / Attachement: Finanční plán u témat vysaných pro prezenční formu studia / *Financial plan for topics listed for full-time study*

The student will be funded from: 21260/1312