

RESEARCH ACTIVITIES



Assoc. prof. A. Ivanov in one the labs of the Parasitology Unit.

Basic areas of scientific interest

- Helminthology: Anthelmintic resistance in gastrointestinal strongylids of small ruminants (Assist. prof. P. Iliev, Assoc. prof. P. Prelezov, Assoc. prof. A. Ivanov); Trichurosis and Dirofilariosis of carnivores (Assoc. prof. Z. Kirkova);
- Protozoology: Giardiasis, Cryptosporidiosis and Eimeriosis of mammals and birds (Assoc. prof. A. Ivanov); Neosporosis and Toxoplasmosis (Assoc. prof. P. Prelezov); Eimeriosis of rabbits (Assist. prof. P. Iliev); Sarcocystosis and Hepatozoonosis of animals (Assoc. prof. A. Ivanov);
- Arachnology and Entomology: Ixodid Ticks (Assoc. prof. P. Prelezov, Assist. prof. P. Iliev); Scab and mites of mammals and birds (Assoc. prof. P. Prelezov, Assoc. prof. Z. Kirkova); Phthirapterids and Hippoboscids of birds and mammals (Assoc. prof. P. Prelezov)

Dissertations

- Ivanov, A. “Etiological, epidemiological, clinical and pathogenetic aspects of sarcocystosis of small ruminants”. Dissertation for the award of the educational and scientific degree “Doctor”, Trakia University, Stara Zagora, 2006
- Prelezov, P. “Mallophagosis in chickens – etiopathogenesis, clinical, epidemiological data and attempts for control”. Dissertation for the award of the

educational and scientific degree “Doctor”, Trakia University, Stara Zagora, 2006

- Kirkova, Z. “Etiological, epidemiological, clinical and chemical studies on the trichurosis in dogs and attempts for control”. Dissertation for the award of the educational and scientific degree “Doctor”, Trakia University, Stara Zagora, 2012

Research projects under the guidance of scientists from the Parasitology Unit last 10 years

- “Species variety and prevalence of ectoparasites on cattle”, 2006, Dr. Petyo Prelezov
- “The role of *Campylobacter jejuni* in pathogenesis of trichurosis in dogs”, 2006, Dr. Zvezdelina Kirkova
- “Survey on the species variety and population structure of ixodid ticks in their natural habitat and as ectoparasites on sheep in Stara Zagora -district”, 2010, Prof. Ventsislav Koinarski
- “Surveys on the species variety of gastrointestinal strongylids of small ruminants from some region of Southern Bulgaria and their resistance to anthelmintics”, 2012, Assoc. prof. Petyo Prelezov
- Surveys on some pathogenic aspects of *Haemonchus contortus* on sheep and its resistance to Ivermectin, 2014, Assoc. prof. Petyo Prelezov
- Developing of an effective method for detecting of helminth eggs and coccidian oocysts in soil samples, 2015, Assoc. prof. Andrey Ivanov

International contacts and cooperation

- Uludağ University, Bursa, Turkey – Assoc. prof. P. Prelezov
- Ecole National Veterinaire d’Alfort, Paris, France – Assoc. prof. A. Ivanov
- Universita degli studi di Milano, Milan, Italy – Assoc. prof. P. Prelezov
- Justus Liebig University, Giessen, Germany – Assoc. prof. P. Prelezov; Assoc. prof. Z. Kirkova
- Janssen Animal Health, Beerse, Belgium – Assoc. prof. P. Prelezov
- Universidad Complutense de Madrid, Madrid, Spain – Prof. V. Koinarski, Assoc. prof. P. Prelezov
- Katrinenhof Research Center, MERIAL GmbH, Germany – Assoc. prof. Z. Kirkova
- COST Action 854 “Protozoal Reproduction Losses in Farm Ruminants” – European Commission (2002-2006) – Assoc. prof. P. Prelezov

- COST Action 805 “Goat-parasite interactions: from knowledge to control” – European Commission (2008-2013) – Assoc. prof. Z. Kirkova

Cooperation with other institutions in the country

- Faculty of Veterinary Medicine, University of Forestry, Sofia
- Biological Faculty, Sofia University
- Central Research Veterinary Medical Institute, Sofia
- National Center of Infectious and Parasitic Diseases, Sofia
- Institute of experimental Morphology, Pathology and Anthropology with Museum, Bulgarian Academy of Sciences, Sofia
- Institute of Biodiversity and Ecosystem Research, Sofia
- Regional Research Veterinary Medical Institute, Stara Zagora
- Research Institute of cattle- and sheep-breeding, Stara Zagora
- Research Institute of animal husbandry, Stara Zagora

Participation in Editorial boards of Journals

- Bulgarian Journal of Veterinary Medicine – Assoc. prof. P. Prelezov
- Scientific Practical Journal Archimedes – Assoc. prof. Z. Kirkova