

Appendix A - 2024

Scientific areas of specialization to which priority will be given

Department of Animal Sciences

Any aspect of Animal Sciences relevant to farm animals' production including physiology, cellular and molecular biology, welfare and environmental footprint. Studies can be at the whole animal level, tissue, cell and molecular levels, and can include productivity, environment aspects, welfare, physiology, nutrition, muscle, epigenetics, metabolism, endocrinology, neurobiology, genetics and genomics and water quality.

Head of Department: Prof. Israel Rozenboim (Rully.r@mail.huji.ac.il)

Institute of Biochemistry, Food Science and Nutrition

Any aspect of food sciences and any aspect related to human nutritional sciences.

Any aspect of food sciences, including but not limited to advanced and novel aspects of food technology such as synthetic biology, cultured food, alternative protein sources, food 3D-printing, food safety/microbiology, lipid chemistry, carbohydrates chemistry, protein design, and engineering, material science, processing and natural products from waste recovery, microfluidics, and delivery system, and innovative distribution methods such as blockchain in food.

Any aspect related to human nutritional sciences and metabolism at the cellular, tissue, and organism level, including but not limited to adipose tissue biology, the impact of nutrition on human disease, health and performance, microbiome and gut-metabolic axis, personalized nutrition, metabolomics, neuroscience, appetite control, the biology of digestion system. Also, clinical, behavioral, and population-oriented studies on human nutrition and health. We welcome candidates developing big data, and AI approaches to food processes and nutritional science.

Head of Institute: Prof. Ido Braslavsky (ido.braslavsky@mail.huji.ac.il)

Institute of Plant Sciences and Genetics in Agriculture

Any aspect of Plant Sciences which is relevant to Agriculture, either at the molecular, cellular, whole plant, plant community or ecosystem level. Priority will be given to excellent candidates with experience in agricultural-related studies.

Head of Institute: Prof. David Weiss (david.weiss@mail.huji.ac.il)

Institute of Environmental Sciences

We seek excellent candidates whose interdisciplinary research is aligned with the institute's mission, is relevant to environmental sciences and overlaps to some extent with one or more of the core disciplines at the Institute (Entomology, Plant Pathology and Microbiology, Soil and Water Sciences, Environmental Economics and Management).

Potential candidates should contact the head of the institute for further information, before submitting their application: [Prof. Sharoni Shafir \(sharoni.shafir@mail.huji.ac.il\)](mailto:sharoni.shafir@mail.huji.ac.il).

Department of Entomology

Any aspect of Insect Science, either at the molecular, physiological or ecological level, relevant to agriculture and the environment. We are particularly interested in candidates who have a strong track record in research, outstanding academic credentials and a strong commitment to undergraduate and graduate education.

Head of Department: [Dr. Yael Mandelik \(yael.mandelik@mail.huji.ac.il\)](mailto:yael.mandelik@mail.huji.ac.il)

Department of Environmental Economics and Management

The Department of Environmental Economics and Management at The Robert H. Smith Faculty of Agriculture, Food and Environment of the Hebrew University of Jerusalem, seeks excellent candidates for a tenure-track faculty position. Candidates should have demonstrated ability to conduct high-quality research in any aspect of economics/management related to the environment, natural resources, food or agriculture. The successful candidate is expected to teach undergraduate and/or graduate classes in Hebrew or English.

Head of Department: [Dr. Ohad Raveh \(ohad.raveh@mail.huji.ac.il\)](mailto:ohad.raveh@mail.huji.ac.il)

Department of Plant Pathology and Microbiology

Any aspect of genetics, molecular and cellular biology, biochemistry and bioinformatics. We seek a fungal biologist. The candidate is expected to establish a research program related to fungal-plant interactions, with emphasis on the fungal component. The candidate should have an excellent background in fungal biology including, but not limited to fungal-plant interactions or plant pathology, and be dedicated to develop an original research program relevant to agriculture and/or the environment.

Head of Department: [Dr. Shay Covo \(shay.covo@mail.huji.ac.il\)](mailto:shay.covo@mail.huji.ac.il)

Department of Soil and Water Sciences

Any aspect of soil and water sciences, such as soil fertility, soil physics, and soil chemistry.

Head of department: [Prof. Benny Chefetz \(benny.chefetz@mail.huji.ac.il\)](mailto:benny.chefetz@mail.huji.ac.il)

Koret School of Veterinary Medicine

Any aspect of veterinary pathology, veterinary pharmacology, veterinary virology, veterinary microbiology, veterinary environmental sciences, animal welfare, veterinary food hygiene, immunology, veterinary physiology, farm animal (food-producing) medical sciences, and any other basic sciences associated with veterinary medicine.

Director of the School: Prof. Gad Baneth (gad.baneth@mail.huji.ac.il)