**Appendix A - 2023**

**Scientific areas of specialization to which priority will be given**

**Institute of Plant Sciences and Genetics in Agriculture**

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

Head of Institute: Prof. David Weiss ([david.weiss@mail.huji.ac.il](mailto:david.weiss@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 or 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, block chain 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, impact of nutrition on human disease, health and performance, microbiome and gut-metabolic axis, personalized nutrition, metabolomics, neuroscience, appetite control, biology of digestion system.

Head of Institute: Prof. Oren Tirosh ([oren.tirosh@mail.huji.ac.il](mailto:oren.tirosh@mail.huji.ac.il))

**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](mailto:Rully.r@mail.huji.ac.il))

**Institute of Environmental Sciences**

Excellent candidates whose interdisciplinary research is aligned and 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.

Head of the institute: Prof. Sharoni Shafir (sharoni.shafir@mail.huji.ac.il).

**The 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).

**The 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) ).

**The 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: Dr. Eran Tas ([eran.tas@mail.huji.ac.il](mailto:eran.tas@mail.huji.ac.il))

**Department of Environmental Economics and Management**

Any aspect of economics/management related to the environment, natural resources, food or agriculture. The candidates should have demonstrated ability to conduct high-quality research in those aspects. The successful candidate is expected to teach undergraduate and/or graduate classes in Hebrew or English.

Head of Department: Prof. Ayal Kimhi ([ayal.kimhi@mail.huji.ac.il](mailto:ayal.kimhi@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, 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](mailto:gad.baneth@mail.huji.ac.il) )