Инновацион ривожланиш вазирлигининг 2022 йил "____" февралдаги _____ -сон хатига 3-илова

DIRECTIONS

for a short-term research internship at Hungarian University of Agricultura and Life Sciences

T/p	Research field	Program period and the preferred month	Program details	
		1. Potato) research	
1.	Molecular genetics	1 month	Development and application of molecular markers in potato	
	C	Any month	breeding.	
2.	Breeder	1 month, June,	Goals, tools and achievements in commercial potato	
		September, October	breeding.	
3.	Agronomy	1 month	Seed potato production technology, ensuring seed quality.	
		April - June,		
		September-October,		
2. Crop husbandry and environmentally friendly production				
4.	Agronomy and seed quality	1-6 months,	Investigation of the effects of fertilizers, foliar fertilizers,	
	laboratory work (wheat,	Aprıl – October	Plant conditioning and bio stimulants for yield and quality;	
	barley, corn, sunflower,		Production technology;	
	soybean)	1 (1	Plant diagnosis technology on the field and in the laboratory.	
5.	Agronomy	1-6 months,	Cereal-legume intercropping systems.	
-		April – October	n and fishering	
6	Fundamentals of pond	3 months	Technical issues of pond aquaculture:	
0.	aquacultura managament	May-Sentember	Biological basis of pond aquaculture:	
	aquaculture management	(preferably in May)	The practice of pond aquaculture:	
		Gr (J) (J)	Novel methods in pond aquaculture	
7	Molecular biology and	1 month	Novel methods of molecular biology population genetics	
	genetics	Any month	and genome manipulation	
8.	Breeding program and gene	3 months	Breeding program of Common carp:	
0.	banking	May-Sept Preferably in	Scientific issues of gene banking:	
		propagation season	Cryopreservation.	
		(May and June)		
9.	Utilization of agricultural	3 months	By-products in fish feed;	
	by-products in fish feed	Any month	Feeding in aquaculture.	
	production			
10	Fish systemitican and food	1	Descention of fish food and utilization it for fooding	
10.	Fish nutrition and feed	1 month	Preparation of fish feed and utilization it for feeding.	
11	Monitoring fish assemblages	2 months	Monitoring methods:	
11.	in natural waters	5 monuns, Juna-Santambar	Practice of fich monitoring:	
	In natural waters	June-September	Evaluation of monitoring data	
		A Viticulture	and Oenology	
12		1 month	Lectures on viticultural technology and principles of wine	
12.		September (2022v).	Technology	
		February, March	Harvesting practices	
		(2023y)	Field trips to wine regions:	
			Visits to the research stations in Kecskemét and Badacsony;	
	Viticulture and Oenology	3 months:	Taking part in running projects at the departments (mostly	
		September – November	data collection).	
13.		1 month	Lectures about the biological and Phyto technical resources	
		September (2022y),	of viticulture and oenology;	
		February, March	Pruning practices;	
		(2023y)	Field trips to wine regions;	

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-		the preferred month	Visits to the research stations:		
		3 months	Taking part in running projects at the departments (mostly		
		February-April	data evaluation).		
	5. Animal science				
14.	Small ruminants' milk	(May)-June	Visiting dairy sheep or goat farms. Collect milk samples.		
	production, udder health, milk quality		Laboratory analysis.		
15.	Assessment of stress using non-invasive methods in dairy cattle	May-June	The importance and role of the non-invasive methods of stress assessment, and stress research in general, lies in better understanding of cattle's responses to stress and through develop and improve precision tools for dairy farm management, thereby improving cattle welfare and consequently increasing farm productivity. During the program stress-evaluation methods, possible future research directions of stress assessment, and possible ways for the development of automatic on-farm stress assessment systems will be studied based on behavioral and physiological markers.		
16.	Reproduction management in small ruminants and ultrasound investigation in breeding processes	(May)-June	Theoretical lectures, practical farm visits (different breeding management).		
17.	Grassland management	Мау	Attending the lectures of the Sward management course at the beginning of May. Thereafter getting acquainted with the Hungarian grasslands. Participation in botanical estimating.		
18.	Goose liver production (foie gras), from the point of view animal welfare	May-June	Visit to the goose farms. Animal welfare investigations.		
19.	Animal Science	1 month June	Statistical methods applied in animal science.		
20.	Sheep in vitro embryo production, sheep MOET	6 months from September	Learning the steps of the sheep embryo production.		
	6. Biotechnology				
21.	Research on stress-tolerant (heat, salt, pathogen infection, etc.) plants, breeding and monitoring of hereditary variants related to stress by biotechnological methods	1 month June	DNA isolation, PCR with different molecular markers (RAPD, SCAR, CAPS, SSR) applied to MAS, agarose and acrylamide gel electrophoresis.		
	7. Plant protection research				
22.	Plant protection research	May and June	Seed pathology of different crops and weeds.		
23.	Plant protection research	May and June	Pesticide toxicology.		