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Project P-LB-19-13 "Development of Methods for Control of Quantity and Composition of Pharmacologically Valuable Compounds (Secondary Metabolites) in Plant Tissue by Plasma and Radio Frequency Seed Treatment"

supported by the Bilateral (Lithuania-Belarus) Cooperation Programme

SEMINAR PROGRAMME

2019.12.02 VMU Botanical Garden, Žilibero 4, Kaunas

Time	Speakers and presentation titles
11:00-11:10	V. Mildažienė. <i>Project P-LB-19-13 "Development of Methods for Control of Quantity and Composition of Pharmacologically Valuable Compounds (Secondary Metabolites) in Plant Tissue by Plasma and Radio Frequency Seed Treatment" supported by the Bilateral (Lithuania-Belarus) Cooperation Program Lithuanian Research Council.</i>
11:10-11:40	I. Filatova, V. Lyushkevich, Svetlana Goncharik, J. Kalatskaja, A. Zhukovski. <i>Investigation of the effects of low-pressure plasma treatment of seeds on the plant resistance to pathogens and crop yields</i>
11:40-12:10	V. Mildažienė, A. Ivankov, G. Paužaitė, A. Malakauskienė, R. Žukienė, Z. Naučienė, L. Degutytė-Fomins, I. Januškaitienė, D. Romanovska, E. Gruzdevienė. <i>The response of hemp, red clover and buckwheat to seed treatment with cold plasma and electromagnetic field</i>
12:10-12:40	J. Kalatskaja, H. Nedved, N. Kopylova, N. Vusik, N. Laman, I. Filatova, V. Lyushkevich. <i>The effect of plasma and radio wave treatment of seeds on the phenolic compounds content in the leaves of soy and clover at different stages of ontogenesis.</i>
12:40-13:00	R. Žukienė, V. Lyushkevich, I. F., K. Koga, M. Shiratani, V. Mildažienė. <i>The potential of cold plasma and electromagnetic field as powerful stimulators of natural sweeteners biosynthesis in Stevia rebaudiana (Bertoni).</i>
13:00-13:30	Coffee break
13:30-13:50	V. Lyushkevich, I. Filatova, S. Goncharik, V. Azharonok, N. Chubrik. <i>Investigations of plasma parameters and electrophysical characteristics of radio frequency discharge aimed to optimize the experimental conditions of seeds treatment with cold plasma</i>
13:50-14:10	S. Tučkutė, Š. Varnagiris, M. Urbonavičius, D. Milčius. <i>Plasma immersion ion implantation technologies for promoting seed germination and growth rate</i>
14:10-14:30	Vilma Gudynienė. <i>Cold Plasma for Biodiversity: Wild Plants Seeds Treatment.</i>
14:30-15:00	General discussion + coffee
15:00-16:00	Excursion to the greenhouse of Botanical Garden (including Butterfly show)