

BIOMATERIALS AND NANOBIMATERIALS:

Recent Advances Safety-Toxicology and Ecology Issues

Including Workshop and School of Young Scientists

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2023
BIONANOTOX



10:00-13:30	Moderators: M. Shtilman, S. Eremin, N. Klyachko, A. Tsatsakis
10:10-10:20	BACTERIAL CELLULOSE KOMAGATAEIBACTER XYLINUS B-12068 AS A HYDROGEL MATRIX FOR THE FORMATION OF PERIODIC STRUCTURES <i>Kutyrev M.A., Shishatskaya E.I., Skorb E.V., Ulasevich S.A.</i>
10:20-10:30	BIOSYNTHESIS AND PROPERTIES OF SULFUR-CONTAINING POLYHYDROXYALKANOATES (PHA) <i>Zhila N.O., Sapozhnikova K.Yu., Volova T.G.</i>
10:30-10:40	MODIFICATION OF THE SURFACE OF POLYHYDROXYALKANOATES (PHAs) FILMS OF VARIOUS COMPOSITIONS BY LASER TREATMENT <i>Shishatskaya E.I., Dudaev A.E.I., Volova T.G.</i>
10:40-10:50	MORPHOLOGICAL ASSESSMENT OF THE GLYPHOSATE IMPACT ON THE LABORATORY ANIMAL'S BODY IN A CHRONIC TOXICOLOGICAL EXPERIMENT <i>Kuzmin S.V., Rakitskii V.N., Bagreeva D.I., Vostrikova M.V., Tsatsakis A.</i>
10:50-11:00	TOXICOLOGICAL ASSESSMENT OF GLYPHOSATE EXPOSURE ON WARM-BLOODED ANIMALS IN LONG-TERM ADMINISTRATION <i>Kuzmin S.V., Rakitskii V.N., Bagreeva D.I., Malinovskaya N.N., Lokhin K.B., Bagreev A.U., Vostrikova M.V., Tsatsakis A.</i>
11:00-11:10	EVALUATION OF THE COMBINED ACTION OF CHLORSULFURON AND 2,4- DICHLOROPHENOXYACETIC ACID <i>Kuzmin S.V., Rakitskii V.N., Bagreev A.U., Tsatsakis A.</i>
11:10-11:20	THE FOSTHIAZATE TOXIC EFFECT WITH REPEATED ORAL INTAKE INTO THE BODY OF WARM -BLOODED ANIMALS <i>Kuzmin S.V., Rakitskii V.N., Sazhin F.S., Berezhnyak I.V., Tsatsakis A.</i>
11:20-11:30	THE STUDY OF PRENATAL TOXICITY OF A POTENTIAL ENDOCRINE-DISRUPTING CHEMICAL FUNGICIDE PYRIMETHANIL <i>Masaltsev G.V., Veshchemova T.E., Rakitskii V.N., Kuzmin S.V., Tsatsakis A.M.</i>
11:30-11:40	NEW DIRECTIONS IN THE DESIGN OF AMPHIPHILIC POLYMER CARRIERS FOR ANTICANCER DRUGS <i>Ya.O. Mezhuiev, A.M. Nechaeva, A.Yu. Svistunova, O.Yu. Sizova, A.A. Artyukhov, I.I. Kravnyk, G.K. Tatosyan, I.V. Plyushchii, M.I. Shtilman, A.M. Tsatsakis</i>
11:40-11:50	HUMIC SUBSTANCES AS AN ALTERNATIVE ANTIFUNGAL INGREDIENTS IN RINSE-OFF ANTI-DANDRUFF COMPOSITIONS <i>T.V. Tikhonova, M.V. Siratskaya, I.A. Butorova, A.A. Igumnova, A.N. Kuskov</i>
11:50-12:00	HYDROGEL MATRIX OF POLY-N-VINYLPYRROLIDONE AND HYALURINIC ACID FOR MEDICAL APPLICATIONS <i>V.V.Smagina, A.A. Fenin, A.N.Kuskov, L.A. Beliaeva</i>
12:00-12:10	MACROPOROUS CHITOSAN-FIBROIN HYDROGELS WITH ENTRAPPED MAGNETIC NANOPARTICLES FOR TISSUE ENGINEERING <i>D.A. Gladkikh, A.A. Mahonina, M.G. Drozdova, N.A. Sazhnev, M.M. Veselov, N.R. Kildeeva, N.L. Klyachko, E.A. Markvicheva</i>
12:10-12:20	PROSPECTS FOR THE USE OF SILK FIRBOIN AS WOUND COATINGS AND BIODEGRADABLE MATRICES <i>N.A. Sazhnev, N.R. Kildeeva</i>
12:20-12:30	THE MODERN ASPECTS OF CONFORMATIONAL LABILITY OF MONOSACCHARIDE RINGS <i>Alexey G. Gerbst, Dmitry Z. Vinnitsky, Vadim B. Krylov, Nikolay E. Nifantiev</i>
12:30-12:40	SYNTHESIS OF THIRD-GENERATION CARBOHYDRATE VACCINES AGAINST FUNGAL AND BACTERIAL PATHOGENS <i>Vadim B. Krylov, Nikolay E. Nifantiev</i>
12:40-12:50	DEVELOPMENT OF FLUORESCENCE POLARIZATION IMMUNOASSAY TO DETECT DIBUTYLPHTHALATE (DBP) IN ENVIRONMENTAL WATER SAMPLES <i>L.I. Mukhametova, M.R. Karimova, O.G. Zharikova, S.A. Eremin</i>
12:50-13:00	FEATURES OF FUME DISTRIBUTION IN THE WORKING ZONE DURING ARC WELDING WITH VARIOUS COVERED ELECTRODES <i>K.Y. Kirichenkoa, A.S. Kholodov, A.K. Stratidakis, R.S. Rogulin, I.A. Vakhnuk, A.M. Zakharenko, A.V. Gridasov, A.A. Karabtsov, D.P. Il'yashchenko, A.M. Tsatsakis, K.S. Golokhvast</i>
13:00-13:10	SYNTHESIS AND CHARACTERIZATION OF A BIFUNCTIONAL PLATFORM BASED ON MAGNETITE-GOLD NANOPARTICLES FOR THERANOSTICS OF CANCER <i>I.V. Chudosai, M.A. Sorokina, M.A. Abakumov, N.L. Klyachko</i>
13:10-13:20	ENZYMATIC POLYMERIZATION OF THE FLAVONOIDS DIHYDROQUERCETIN (TAXIFOLIN) AND (+)-CATECHIN IN BETAINE-BASED DEEP EUTECTIC SOLVENT AND PRODUCTS CHARACTERIZATION <i>O.V. Morozova, I.S. Vasileva, G.P. Shumakovich, E.A. Zaitseva, A.I. Yaropolov</i>