



79.



Latvijas
Universitātes
starptautiskā
zinātniskā
konference

ĶĪMIJA
CHEMISTRY

Analītiskās ķīmijas sekcija
Section of Analytical Chemistry

Piektdiena, 2021. gada 12. februārī plkst. 9.00,
tiešsaistē

Friday, 12 February 2021, 9.00 AM, online

Programma/Programme

8.45–09.00	Pieslēšanās ZOOM konferences platformai	
Vadītājs/Chair: Prof. Arturs Viksna; Vietnieks/co-Chair: MSc Lauma Buša		
09.00–09.05	Prof. Arturs Viksna <i>Faculty of Chemistry</i>	Atklāšana Opening
09.05–09.20	<u>Maris Bertins</u> , <u>Agnese Brančule</u> , <u>Arturs Viksna</u>	INTERFERENCE REMOVAL IN ICP-MS USING He COLLISION CELL WITH TANDEM MS
09.20–09.35	<u>Zane Bērziņa</u> , <u>Romans Pavļenko</u> , <u>Mārtiņš Jansons</u>	DETECTION OF PYRROLIZIDINE ALKALOIDS IN HERBAL TEAS OF LATVIAN ORIGIN USING NANO-FLOW CHROMATOGRAPHY – HIGH RESOLUTION MASS SPECTROMETRY
09.35–09.50	<u>Džesika Butkus</u> , <u>Vita Rudoviča</u> , <u>Oskars Bikovens</u> , <u>Māris Bērtiņš</u>	EVALUATION OF BEACH WRACK ALGAL BIOMASS CHEMICAL COMPOSITION ON KURZEME SHORE
09.50–10.05	<u>Deniss Fedorenko</u> , <u>Mārtiņš Jansons</u> , <u>Vadīms Bartkevičs</u>	APPLICATION OF NANOFLOW LIQUID CHROMATOGRAPHY FOR IMPROVEMENTS OF MASS SPECTROMETRIC DETECTION SENSITIVITY
10.05–10.20	<u>Daniela Godina</u> , <u>Kristīne Meile</u> , <u>Arturs Viksna</u> , <u>Aivars Žurīnš</u>	APPLICATIONS OF BIO-CHAR AS A CATALYST OBTAINED FROM LIGNOCELLULOSIC BIOMASS
10.20–10.35	<u>Matīss Pāls</u> , <u>Aleksandrs Aršāņica</u> , <u>Arturs Viksna</u>	METHODS FOR SEPARATION OF LIPOPHILIC COMPOUNDS TO PURIFY ORGANOSOLV LIGNIN ISOLATED FROM ASPEN BARK
10.35–10.50	<u>Vladlens Grebnevs</u> , <u>Katarzyna Leśniak-Ziółkowska</u> , <u>Marta Wala</u> , <u>Roman Vīter</u> , <u>Arturs Viksna</u> , <u>Wojciech Simka</u>	A PRELIMINARY STUDY ON PREPARATION OF BIOACTIVE CALCIUM PHOSPHATE INCORPORATED OXIDE COATINGS ON TITANIUM SUBSTRATES BY PLASMA ELECTROLYTIC OXIDATION
10.50–11.10	Coffee break, discussions (on-line)	
Otrā daļa/Second part		
11.10–11.25	<u>Laura Elīna Ikkere</u> , <u>Iveta Pugajeva</u>	DETERMINATION OF 5-HYDROXYINDOLEACETIC ACID IN WASTEWATER SAMPLES FROM WASTEWATER

		TREATMENT PLANTS IN LATVIA
11.25–11.40	<i>Krišs D. Labsvārds, Lauma Buša, Jānis Ruško, Rihards Klūga, Māris Bērtiņš, Jevgeņija Naumenko, Vita Rudoviča, Marina Šalajeva, Arturs Vīksna</i>	APPLICATION OF CHEMOMETRIC METHODS FOR ASSESSMENT OF MONOFLORAL AND POLYFLORAL HONEY
11.40–11.55	<i>Vitālijs Lazarenko, Yelyzaveta Rublova, Raimonds Meija, Jana Andžāne, Vanda Voikiva, Edijs Kauranens, Arturs Vīksna, Donāts Erts</i>	ELECTROCHEMICAL PROCESS IN SINGLE-WALLED CARBON NANOTUBES (SWCNT) FROM AQUEOUS SOLUTION
11.55–12.10	<i>Katrina Lovcova, Maris Bertins, Dagnija Lazdina, Signija Zake, Arturs Viksna</i>	IMPACT OF SEWAGE SLUDGE ON ELEMENTAL CONTENT IN PINE STEM WOOD
12.10–12.25	<i>Mārcis Mežulis, Linards Kļaviņš, Inguss Pērkons, Vadims Bartkevičs, Arturs Viksna, Māris Kļaviņš</i>	SEPERATION OF CRANBERRY PROCYANIDINS USING BIOLOGICAL ACTIVITY GUIDED FRACTIONATION
12.25–12.40	<i>Meģija Neimane, Vitālijs Lazarenko, Māris Bērtiņš, Arturs Vīksna, Dagnija Lazdiņa, Kristaps Makovskis, Ilze Kārklīņa, Andis Lazdiņš</i>	EVALUATION OF THE CHEMICAL COMPOSITION OF MACRO- AND MICRO- ELEMENTS IN THE BOTTOM AND FLY WOOD ASH
12.40–12.55	<i>Eliņa Pasecnaja, Dzintars Zacs</i>	CONTAMINATION OF FOODSTUFFS WITH PER- AND POLIFLUORALKYL SUBSTANCES
12.55–14.00	Pusdienu pārtraukums, diskusijas/Launch break, discussions online	
Trešā daļa/ Third part		
14.00-14.15	<i>Romans Pavlenko, Zane Bērziņa, Estefānija Bogdanova, Mārtiņš Jansons, Vadims Bartkevičs</i>	OPTIMISATION OF THE SAMPLE PREPARATION STRATEGY FOR THE ANALYSIS OF MYCOTOXINS IN WASTEWATER SAMPLES
14.15-14.40	<i>Kristīne Saleniece, Ugis Eismonts, Maris Bertins, Olga Muter, Sergejs Gaidukovs, Arturs Vīksna, Zenta Balcerbule, Gunta Kizane, Ingars Reinholds, Andrejs Grinbergs</i>	SYNTHESIS AND APPLICATION OF FERROCYANIDES FOR EFFICIENT ADSORPTION OF CAESIUM ON CELLULOSE AND ITS DERIVATIVES
14.40-14.55	<i>Dārta Ūbele, Ints Šteins, Dagnija Valdniece, Aiga Anna Pudule, Kārlis Agris Gross</i>	STORED CHARGE DETERMINATION OF SPARK PLASMA SINTERED AMORPHOUS CALCIUM PHOSPHATE
14.55-15.10	<i>Karina Upska, Linards Klavins, Vizma Nikolajeva, Leena Faven, Eveliina Isosaari, Arturs Viksna, Maris Klavins</i>	EXTRACTION AND CHARACTERISATION OF WILD AND CULTIVATED INONOTUS OBLIQUUS TRITERPENOID AND ELEMENTAL PROFILES
15.10-15.25	<i>Signija Zake, Maris Bertins, Dagnija Lazdina, Karlis Dumins, Arturs Viksna</i>	APPLICATION OF $\delta^{15}\text{N}$ VALUES IN STUDIES OF NITROGEN CYCLE IN PINE TREE (<i>Pinus sylvestris</i> L.)

15.25-15.40	<i>Daina Riekstiņa, M. Plūme, V. Gostilo, Gunta Ķizāne</i>	STUDIES ON THE COMPLIANCE OF WOODCHIP ASH WITH RADIATION SAFETY STANDARDS
15.40-15.55	<i>Zhanna Zaurbekova, Gunta Kizane, Timur Kulsartov, Asset Shaimerdenov, Saulet Askerbekov, Assyl Akhanov, Yevgen Chikhray</i>	PRELIMINARY EXPERIMENTS FOR STUDYING OF LITHIUM CERAMICS INTERACTION WITH NEUTRON IRRADIATION USING VACUUM EXTRACTION METHOD
15.55-16.10	<i>Irina Shtangeeva, Arturs Viksna, Maris Bertins</i>	SHORT TERM VARIATIONS IN ELEMENT CONCENTRATIONS IN THE RHIZOSPHERE SOIL OF COUCH GRASS (<i>Elymus Repens</i>) AND DANDELION (<i>Taraxacum officinale</i>)
16.10-16.--	Noslēgums, diskusijas teiāsaitē Conclusions, discussions on-line	