

XIV Students' Congress of SCTM



Thursday, 30.9.2021



Registration 8:30-9:00, on-line (attendance report)

9:00-9:10 Opening of the congress, introduction of the co-organizers RIS ALiCE: Al-rich industrial residues for mineral binders in ESEE region

Time		Participant	Presentation title
9:10-9:40		Biljana Angusheva plenary speaker	UTILIZATION OF THE INDUSTRIAL BY-PRODUCTS FOR PRODUCTION OF CERAMICS
9:50-10:05		Marija Katerina Paunovik	USING OF FLY ASH FROM FERRO-NICKEL INDUSTRY FOR PREPARATION OF PVC/FY ECO-FRIENDLY COMPOSITES
10:05-10:20		Andrea Petanova	CIRCULAR ECONOMY IN METALLURGICAL WASTE: APPLICATION OF CONVERTER SLAG FROM FERRO-NICKEL PRODUCTION INTO ECO-FRIENDLY COMPOSITES
10:20-10:35		Ema Stojchevska	VARIOUS PROCEDURES FOR PREPARATION OF CERAMIC NANOWIRES
10:35-10:50		Nikolina Aluloska	HG - MERCURY ANALYSIS OF AL-RICH INDUSTRIAL RESIDUES FOR MINERAL BINDERS IN ESEE REGION
10:50-11:10	COFFEE BREAK		
11:15-11:30	Online	Radica Piponska	SUSTAINABLE MATERIALS IN METALLURGY – INCORPORATION OF FERRO-NICKEL METALLURGICAL SLAG IN PVC-BASED COMPOSITES
11:30-11:45	Online	Magdalena Bojadziska	RADIOLOGICAL ANALYSIS OF AL-RICH INDUSTRIAL RESIDUES
11:45-12:00	Online	Lara Menzinger	CRITICAL RAW MATERIALS (CRMs) IN BAUXITES – THE SLOVENIAN CASE STUDY
12:00-12:15	online	Marusa Mrak	EFFECT OF TEMPERATURE ON PHASE ASSEMBLAGE OF BELITE CALCIUM-SULFOALUMINATE CEMENT
12:15-13:15	LUNCH BREAK		

30.9.2021, Thursday afternoon session

Time		Participant	Presentation title
13:15-13:45	Online	Jasmina Petreska Stoeva plenary speaker	PHYTOCHEMICAL CHARACTERIZATION OF CULINARY <i>Salvia officinalis</i> SPECIES
13:45-14:00		Pece Sherovski	DETERMINATION OF SELENIUM IN HUMAN PLASMA AND BLOOD BY ELECTROTHERMAL ATOMIC ABSORPTION SPECTROMETRY (ETAAS)
14:00-14:15	?	Burbuque Demiraj	DETERMINATION OF MAJOR AND TRACE ELEMENTS IN THE PLANT <i>SEDUM OCHROLEUCUM</i> AND SERPENTINE SOIL IN LLAPUSHNIK, KOSOVO
14:15-14:30	?	Violete Hajdari	CONCENTRATION OF SOME METALS IN THE ENDEMIC PLANT SPECIES <i>STACHYS SCARDICA</i> AND SERPENTINE SOIL IN GOLESH, KOSOVO
14:30-14:45	Online	Marinela Cvetanoska	IDENTIFICATION OF PYRROLIZIDINE ALKALOIDS IN BORAGINACEAE SPECIES FROM NORTH MACEDONIA
14:45-15:00			COFFEE BREAK
15:00-15:15	Online	Teodora Petkoska	VALIDATION OF GC/ECD AND GC/MS METHODS FOR ANALYSIS OF ORGANOCHLORINE PESTICIDES AND POLYCHLORINATED BIPHENYLS IN SOIL
15:15-15:30	Online	Elena Stefova	DEVELOPMENT OF ANALYTICAL METHODS FOR EXTRACTION AND CHARACTERIZATION OF PYRROLIZIDINE ALKALOIDS IN PLANT MATERIAL
15:30-15:45	Online	Darko Stojanov	DEVELOPMENT OF A REVERSED-PHASE ION-PAIR HPLC METHOD FOR DETERMINATION OF NITRATES AND NITRITES IN GROUNDWATER AND BOTTLED WATER SAMPLES
15:45-16:00	Online	Granit Kastrati	DISTRIBUTION AND STATISTICAL ANALYSIS OF MAJOR AND TRACE ELEMENTS IN THE BEE POLLEN FROM THE WHOLE TERRITORY OF REPUBLIC OF KOSOVO

XIV Students' Congress of SCTM



Friday, 1.10.2021



Time		Participant	Presentation title
9:10-9:40		Jane Bogdanov pleanry speaker	PAST BENEFITS-TODAY'S PROBLEMS: CHEMISTRY'S STEERING ROLE IN BALANCING PROGRESS WITH SUSTAINABILITY
9:50-10:05		Amela Emurlai	DETERMINATION OF STORAGE CONDITIONS FOR GRAPE POMACE BISCUITS USING THEIR SORPTION ISOTHERMS
10:05-10:20		Angela Georgievska	THE EFFECTS OF GRAPE POWDER INCLUSION ON THE PHYSICAL PROPERTIES OF MUFFINS
10:20-10:35		Ivana Gjorgievska	INULIN EXTRACTION FROM ONION AND LEEK
10:35-10:50		Simona Jovanova	PRODUCTION OF SHORTBREAD COOKIES WITH NON-CONVENTIONAL METHOD USING FAT MIMETICS
10:50-11:10	COFFEE BREAK		
11:15-11:30		Kristina Momiroska	APPLICATION OF CHITOSAN EDIBLE FILMS FOR SHELF LIVE EXTENSION OF RAW TOMATOES
11:30-11:45		Aleksandar Piperevski	IMPACT OF DIFFERENT VINIFICATION METHODS ON THE POLYPHENOLIC CONTENT IN RED WINES
11:45-12:00		Marija Trenchevska	RHEOLOGICAL PROPERTIES OF FUNCTIONAL BISCUITS MADE WITH INCORPORATION OF GRAPE SKINS AND SEEDS FROM VARIETY "VRANEC"
12:00-12:15	online	Ivana Spaseska	A SIMPLE HPLC-UV-DAD METHOD FOR DETERMINATION OF ACRYLAMIDE IN FOOD PRODUCTS
12:15-13:15	LUNCH BREAK		

1.10.2021, Friday afternoon session

Time		Participant	Presentation title
13:15-13:45		Elena Tomovska plenary speaker	PRE CONSUMER TEXTILE WASTE-CHALLENGES AND POSSIBILITIES FOR NEW PRODUCTS
13:45-14:00		Aleksandra Naumoska	USING THE ESCAPE ROOM AND THE NEARPOD AS A NEW INNOVATIVE APPROACH IN CHEMISTRY TEACHING
14:00-14:15		Mateja Kubin	INDUCED B-PHASE FORMATION IN POLY (VINYLIDENE FLUORIDE) COMPOSITE MEMBRANES USING TIPS METHOD
14:15-14:30	Online	Kristina Gjorgjevik	SYNTHESIS AND STRUCTURE-VIBRATIONAL ANALYSIS OF PEROVSKITES CONTAINING PbI ₆ -OCTAHEDRA
14:30-14:45	Online	Ossomba Yves Marcelin	COMPARATIVE STUDY OF LEAD EXTRACTION BY ACTIVATED CARBON AND MAGNETIC ACTIVATED CARBON IN THE BÉTARÉ-OYA GOLD MINING AREA (CENTRAL CAMEROON)
14:45-15:00			COFFEE BREAK
15:00-15:15	Online	Sofija Popovska	INFLUENCE OF THE RARE-EARTH CATION SUBSTITUTION IN $\text{Re}_{1-x}\text{Er}_x\text{FeO}_3$ (Re = Sm or Gd, $x = 0, 0.2$ and 0.4) PEROVSKITES CHARACTERIZED BY POWDER XRD AND VIBRATIONAL SPECTROSCOPY
15:15-15:30	Online	Ivana Sofronievska	IMPLEMENTATION OF METHODS FOR DETERMINING AND MONITORING PERSISTENT ORGANIC POLLUTANTS IN AIR
15:30-15:45	Online	Sylwia Zimosz	SYNTHESIS OF NOVEL PHENOTHIAZINE BASED D/A-II-D-II-A SENSITIZERS FOR DYE-SENSITIZED SOLAR CELLS