

SGEM 2020 Conference Programme: Day3, 10.12.2020

MORNING SESSION

6. Section Air Pollution and Climate Change

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| 1 | 09:30 - 09:45 | IMPACT OF BIOCARBON ON AGROCHEMICAL PROPERTIES OF SOIL DURING BROCCOLI VEGETATION Speaker (31654, S): Assoc. Prof. Vera Petrova, University of Forestry, Bulgaria |
| 2 | 09:45 - 10:00 | EXPERIMENTS WITH TROUGH TEST DETERMINATION OF THE SELF –SUSTAINING EXOTHERMIC DECOMPOSITION OF FERTILIZERS CONTAINING NITRATES Speaker (31568, S): PhD Andrei Szollosi-Mota, National Institute for Research and Development in Mine Safety and Protection to Explosion - INSEMEX, Romania |
| 3 | 10:00 - 10:15 | HAZARD IDENTIFICATION OF CLIMATE RISK FACTORS ON HEALTH OF THE FAR NORTH POPULATION Speaker (31573, S): Anna Khasanova, Federal Scientific Center for Medical and Preventive Health Risk Management Technologies, Russia |
| 4 | 10:15 - 10:30 | AMBIENT AIR QUALITY FACTORS AND PEOPLE HEALTH Speaker (31574, S): Alena Andrishunas, Federal Scientific Center for Medical and Preventive Health Risk Management Technologies, Russia |
| 5 | 10:30 - 10:45 | ACCELERATING THE CALCULATION OF ABSORPTION COEFFICIENT OF WATER VAPOR BY GPU USING THE HITRAN DATABASE Speaker (31600, S): Artem Lobach, Shirshov Institute of Oceanology Russian Academy of Sciences, Russia |
| 6 | 10:45 – 11:00 | THE CONCEPTUAL FRAMEWORK OF GHG MODULE INTEGRATION IN CONCEPTUAL HYDROLOGICAL MODEL METQ Speaker (31651, S): Assist. Prof. Inga Grinfelde, Latvia University of Life Science and Tehnologies, Latvia |
| | 11:00 - 11:15 | ---> MORNING COFFEE BREAK |
| 7 | 11:15 – 12:00 | SCIENCE MEETS ART PANEL: “Tunings and New Paradigms in Music” Composer/Pianist Michael Harrison, discusses how musical tunings create new paradigms in music. Harrison will show the development of the just intonation tuning he invented for his critically acclaimed work "Revelation" as well as playing excerpts from his recent performance of the work in Rome. |
| 8 | 12:00 - 12:15 | THE MAN-MADE AIR POLLUTION RISK ASSESSMENT IN URBAN AREAS (ON THE MYTISHCHI EXAMPLE, MOSCOW REGION, RUSSIA) Speaker (31602, S): PhD Nata Kozyakova, Moscow Region State University, Russia |
| 9 | 12:15 - 12:30 | OPPORTUNITY TO REUSE HYDROCARBON FIELDS AND WELLS IN CO2 STORAGE OPERATIONS IN ROMANIA Speaker (31645, S): PhD Dudu Alexandra-Constanta, National Institute of Marine Geology and Geoecology GeoEcoMar, Romania |
| 10 | 12:30 - 12:45 | A STATISTICAL ANALYSIS OF THE INFLUENCE OF THE BRAKE PADS AIR POLLUTION ON THE LUNG DISEASES OF ROMANIAN POPULATION Speaker (31606): Assist. Prof. George Balasoiu, University "Dunarea de Jos", Romania |
| 11 | 12:45 - 13:00 | THE SOIL MOISTURE IMPACT ON NITRUS OXIDE EMISSIONS IZOTOP PROPORTION IN CLEY SOIL Speaker (31651, S): Assist. Prof. Inga Grinfelde, Latvia University of Life Science and Tehnologies, Latvia |
| 12 | 13:00- 13:15 | REDUCING THE CARBON FOOTPRINT BY SELECTING BUILDING MATERIAL Speaker (31623): Assist. Prof. Zuzana Strukova, Technical University of Kosice, Slovakia |
| 13 | 13:00- 13:15 | The history of the evolution of the "space" component of the study of climate Speaker (31571): PhD Vassiliy Chesnov, Institute for the history of science and technology RAS, Russia |

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| | | ---> END MORNING SESSION |
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| AFTERNOON SESSION | | |
| 7. Section Micro and Nano Technologies | | |
| 14 | 14:30 - 14:45 | STUDY ON EFFECTIVE MONITORING OF ODOUR POLLUTION NEAR AN INDUSTRIAL SITE IN RIGA USING A PORTABLE SENSOR SYSTEM Speaker (31175, L): Assoc. Prof. Iveta Steinberga, University of Latvia, Latvia |
| 15 | 14:45 - 15:00 | NUMERICAL SIMULATION OF THE PECVD REACTOR FOR THE SOLAR CELLS AND THE GREEN ENERGY Speaker (31639, L): PhD Alexey Snytnikov, Institute of Automation and Electrometry SB RAS, Russia |
| 16 | 15:00 - 15:15 | INFLUENCE OF THE CYCLES OF HEAT TREATMENTS ON THE STRUCTURE AND MECHANICAL PROPERTIES OF A DUAL-PHASE STEEL WITH LOW MANGANESE CONTENT Speaker (30542, L): PhD Constantin Dulucianu, Stefan cel Mare University of Suceava, Romania |
| 17 | 15:15 - 15:30 | NANOPARTICLES IN ENVIRONMENTAL APPLICATIONS: FIRST LABORATORY ASSESSMENTS OF NANOPARTICLES MOBILITY IN POROUS MEDIA Speaker (30724, L): Prof. DSc. Giuseppe Sappa, Sapienza University of Roma, Italy |
| | 15:30 – 16:00 | SCIENCE PANEL: Lecture on: How much energy we'll need, what sources are (and will be) available to us, and how to think realistically-and optimistically-about our energy consumption? |
| | 16:00 - 16:15 | ---> AFTERNOON COFFEE BREAK |
| 8. Section Advances in Biotechnology | | |
| 18 | 16:15 - 16:30 | CONDITIONS OF AEROGENIC EXPOSITION TO BENZOL AND GENETIC STATUS AS FACTORS OF FORMATION OF IMMUNE PROFILE FEATURES IN MEN WITH VEGETATIVE REGULATION IMPAIRMENTS Speaker (31557): Natalya Nikonoshina, Federal Scientific Center for Medical and Preventive Health Risk Management Technologies, Russia |
| 19 | 16:30 - 16:45 | SCREENING OF LACTOBACILLUS STRAINS FOR KNOWN AND SUGGESTED BACTERIOCIN GENES BY QUANTITATIVE POLYMERASE CHAIN REACTION Speaker (30155, L): PhD Boris Karetkin, D. Mendeleev University of Chemical technology of Russia, Russia |
| 20 | 16:45 – 17:00 | THE EUROPEAN UNION RESPONSES TO THE IMPACT OF COVID 19 ON SMES IN THE ITALIAN AGRI-FOOD SYSTEM Speaker (31451,): Assist. Prof. Gaetano Chinnici, University of Catania, Italy |
| 21 | 17:00 - 17:15 | CALLUS CULTURES OF THE FAR EASTERN AND SIBERIAN MEDICINAL PLANTS AS A PROMISING RAW MATERIAL FOR MEDICINE AND FOOD INDUSTRY Speaker (31601,): PhD Nataliia Chupakhina, Immanuel Kant Baltic Federal University School of Life Science, Russia |
| | 17:15 - 18:00 | SCIENCE MEETS ART PANEL: “La storia nel vuoto” (The story into the void) live performance by Davide Piero Runcini – graduate of Arts Academy Roma. Piano concert with projections of paintings, the result of the synesthetic study of the consorts who have been working together for over 10 years. Correspondence of disciplines such as correspondence of souls, empathy. The beauty will save the word. Art as awareness of the past, consolation of present difficulties and energy for the future....yes, Art will cure the world! |
| END SGEM 2020 Conference Programme: Day3, 10.12.2020 | | |

