



CONFERENCE PROGRAM

THE 2ND INTERNATIONAL
CONFERENCE ON EFFICIENT
PRODUCTION AND PROCESSING
"ICEPP-2021"

FEBRUARY 25-26, 2021

The program is formed according to **Moscow time**

<https://bcc-conference.com/icepp-2021>

COMMITTEE

Scientific Committee Chair - Smyatskaya Julia, PhD in Engineering, Associate Professor at the Graduate School of Biotechnologies and Food Production, Peter the Great St.Petersburg Polytechnic University

- Zunino Pietro, professor, University of Genoa, Italy
- Mikhail Butusov, professor, The University of Natural Resources and Life Sciences, Vienna, Austria
- Natalia Politaeva, professor, Peter the Great St.Petersburg Polytechnic University, St. Petersburg, Russia
- Smyatskaya Julia, assistant professor, Peter the Great St.Petersburg Polytechnic University, St. Petersburg, Russia
- Anna Stefańska, PhD, Faculty of Architecture, Warsaw University of Technology, Poland
- Rozhdestvenskaya Lada, Candidate of Economic Sciences, Assistant Professor, Novosibirsk State Technical University, Honorable Professor of Tourism and Cuisine School of Harbin University of Commerce
- Mayurnikova Larisa, Doctor of Technical Sciences, Professor of the department "Technology and organization of public catering", Kemerovo State University, Russia
- Christoph Pfeifer, Professor, Head of the Institute for Chemical and Energy Engineering, University of Natural Resources and Life Sciences, Vienna, Austria
- Sultanova Dilbar, Professor, Kazan State Technological University, Kazan, Russia
- Starodubova Anna, Associate professor, Kazan State Technological University, Kazan, Russia
- Rafat Al Afif, Dipl.-Ing. Dr.techn, Senior Lecturer, University of Natural Resources and Life Sciences, Vienna, Austria
- Aleksander Fedyukhin, Assistant Professor, Moscow Power Engineering Institute, Moscow, Russia
- Svetlana B. Zueva, Dr. eng., Research scientist, University of L'Aquila, Italy
- Ida de Michelis, Dr. Eng, Professor, University of L'Aquila, Italy
- Tugba Aktar, Assistant Professor, Food Engineering Department, Alanya Alaaddin Keykubat University, Turkey

CONFERENCE TOPICS

URBAN ENVIRONMENT CONSTRUCTION	FOOD SCIENCE AND AGRICULTURE	WASTE TREATMENT
Use of secondary raw materials in construction technologies	Agriculture & farming	Municipal solid waste
Urban waste management logistics	Agricultural economics	Water treatment and sewage sludge utilization
Use of recycled materials in road construction	Food science and technology	Industrial and medical wastes
Safety and security in waste handling	Food engineering	Environmental and Construction Engineering
	Food policy	Environmental economics
	Innovative biotechnologies as a solution of agriculture and medicine problems	

FEBRUARY 25

KEYNOTE SPEAKERS

Christoph Pfeifer

Professor, Head of the Institute for Chemical and Energy Engineering
University of Natural Resources and Life Sciences, Vienna, Austria

Agamuthu Pariatamby

Senior Professor at the Jeffrey Sachs Center on Sustainable Development
Sunway University, Subang Jaya, Malaysia

Aleš Rajchl

Assoc. Professor, Head of the Department of Food Preservation
University of Chemistry and Technology, Prague, Czech Republic

Tugba Aktar

Assistant Professor, Head of the Food Engineering Department
Alanya Alaaddin Keykubat University, Antalya, Turkey

Hani Abu Qdais

Professor of Environmental Engineering, Civil Engineering Department
Jordan University of Science & Technology, Irbid, Jordan

ZOOM LINK:

<https://us02web.zoom.us/j/81097704008?pwd=a2dCRkdnUlpIQ2FiaEVlY04yUUR3QT09>

ID: 810 9770 4008

Code: 146248

10:30 – 10:40 CONFERENCE OPENING

10:40 – 13:10 PLENARY SESSION:

10:40 – 11:10 Tugba Aktar, Assistant Professor, Head of the Food Engineering Department, Alanya Alaaddin Keykubat University, Antalya, Turkey

The keynote speech: "Food Product Development: From the Consumers Aspect"

11:10 – 11:40 Aleš Rajchl, Associate Professor, Head of the Department of Food Preservation, University of Chemistry and Technology, Prague, Czech Republic

The keynote speech: "Development of a new food products based on byproducts of food processing"

11:40 – 12:10 Agamuthu Pariatamby, Senior Professor, Jeffrey Sachs Center on Sustainable Development, Sunway University, Subang Jaya, Malaysia

The keynote speech: "Waste Management and Recycling in Asia: What's next?"

12:10 – 12:40 Christoph Pfeifer, Professor, Head of the Institute for Chemical and Energy Engineering, University of Natural Resources and Life Sciences, Vienna, Austria

The keynote speech: "Nutrient recovery from residues and waste materials"

12:40 – 13:10 Hani Abu Qdais, Professor of Environmental Engineering, Civil Engineering Department, Jordan University of Science & Technology, Irbid, Jordan

The keynote speech: "Emerging NanoWaste: The Need for A New Waste Management Paradigm"

13:20 – 18:30 SECTION "FOOD SCIENCE AND AGRICULTURE"

13:20 – 13:35 Rýdlová Ladislava "Reformulation of fruit and vegetable products"

13:35 – 13:50 Tobolka Adam "Evaluation of pungency of chilli peppers by DART/TOF-MS and HPLC methods"

13:50 – 14:05 Sergei Grigoriev and Ksenia Illarionova “Nutritional value of seeds and oil of hemp (*Cannabis sativa* L.)”

14:05 – 14:20 Cizkova Helena “Food adulteration - current cases and a health risk for consumers”

14:20 – 14:35 Frolova Julia “Multifactorial approach to studying food oleogels based on beeswax”

14:35 – 14:50 Hanková Mariana “Physicochemical characteristics of Central European monofloral honeys”

14:50 – 15:05 Frank Rögner “Cold Mashing - Analysis and optimization of extraction processes at low temperatures in the brewing process”

15:05 – 15:25 Zhilinskaia Nadezhda, Wang Rui and Ivanchenko Olga “Biotechnological recycling of byproducts in the rice non-alcoholic beverage industry: a preliminary research”

15:25 – 15:40 Kotova Tatyana “Innovative energy and resource-saving technologies of complex processing of frozen seabuckthorn fruits in the Baikal region”

15:40 – 15:55 Medvedeva Ludmila “The use of microalgae in the global effect: research and solutions”

15:55 – 16:10 Fokin Sergey “Influence of the use of liquid fertilizers on the productivity and quality of soybeans”

16:10 – 16:25 Sokolov Alexander “The problem of studies of molecular processes in biopolymers”

16:25 – 16:40 Abdullaeva Malika “Protective properties of resveratrol in biological systems containing ethanol”

16:40 – 16:55 Bocharnikova Elena “The influence of silicon fertilizers on phosphorus behavior in the soil-plant system”

16:55 – 17:10 Vertikova Elena “COMPARATIVE EVALUATION OF A NEW VARIETY OF THE SUDAN GRASS EVGENIYA IN THE CONDITIONS OF THE LOWER VOLGA REGION”

17:10 – 17:25 Senay Yürür and Tugba Aktar “The Effect of Supervisors Role in the Hygiene Practice Compliance of the Food Sector Workers”

17:25 – 17:40 Sobolevsky Ivan “Fundamentals of Agricultural Biomechanics”

17:40 – 17:55 Elena Piskun “Investment in innovative enterprises of the agro-industrial cluster in the region”

17:55 – 18:10 Saginova Olga “Food-sharing in the distributed use economy”

18:10 – 18:25 Dennis Dayneko “Problems and Prospects of the Forest industry Development in Baikal Region”

POSTER PRESENTATIONS:

Savkina Olesya “Development of a new resource-saving technology of rye-wheat bread on liquid rye sourdoughs using recycled bread”

Đurović Saša “Chemical composition and biological activity of Russian and Serbian Rosemary essential oils”

Kostenko Olga "Placement and concentration in agriculture: latest trends (case study by Russian egg poultry)"

Apostolov Apostol Georgiev "Maleic and fumaric acid separation by pertraction in rotating disc contactor"

Peskova Irina, Tanashchuk Tatiana and Ostroukhova Elena "Prospects of using Lachancea thermotolerans yeast in winemaking"

Ostroukhova Elena, Rybalko Evgeniy and Levchenko Svetlana "Research of the relationship between agro-ecological resources of vineyards and the anthocyanins complex in berries"

Beylin Igor "Modeling a system of innovations in agriculture aimed at the production of biologically valuable food products"

Lastochkina Oksana "Mechanisms of Bacillus subtilis and salicylic acid-mediated reduction of postharvest diseases in potato (*Solanum tuberosum* L.) tubers"

Bobovnikova Tatiana and Vorozheikina Tatiana "Management accounting of agricultural land fertility"

Marina Bezrukova "The role of redox metabolism regulation in drought resistance formation of wheat varieties with different sensitivity to dehydration"

Bolgov Anatoly "Variability and correlation of milk urea content with parameters of cow productivity"

FEBRUARY 26

ZOOM LINK:

<https://us02web.zoom.us/j/89582974873?pwd=RkZDYmgwYWwhMzRWK0wvdWVPSnJXQT09>

ID: 895 8297 4873

Code: 944290

12:00 – 17:00 SECTIONS "WASTE TREATMENT" AND "URBAN ENVIRONMENT CONSTRUCTION"

12:00 – 12:15 Solyanikova Inna "Soil bacteria as a basis for sustainable development of the environment"

12:15 – 12:30 Krasavtseva Eugenia "Environmental hazard of loparite ore dressing tailings"

12:30 – 12:45 Elena Shinkar "Utilization of hydrogen sulfide as a toxic component of hydrocarbon fractions in organic synthesis"

12:45 – 13:00 Sadrtidinov Almaz "Electricity generation based on gasification of liquid pyrolysis products from plant biomass"

13:00 – 13:15 Savina Irina "Cryogelation as a tool to synthesis of 3D macroporous polymers for biotechnological, biomedical and environmental applications"

13:15 – 13:30 Matichenkov Vladimir "Technology for fast municipal sewage sludge treatment"

13:30 – 13:45 Dilbar Sultanova “Waste management as one of the vectors of sustainable development of the circular economy”

13:45 – 14:00 Ivan Angelov “Waste management and utilization”

14:00 – 14:15 Starodubova Anna “Analysis of the global market of technologies in the field of polymer waste”

14:15 – 14:30 Talan Matvey “The role of insect culture in the modern paradigm of the food industry in the Republic of Tatarstan”

14:30 – 14:45 Mikhail Khokhulya “Recovery of magnetite-hematite concentrate from technogenic iron ore tailings”

14:45 – 15:00 Druzhinina Anastasia “Recycling facilities in Russia”

15:00 – 15:15 Andrianova Maria “Agrochemical Effects Of Plasma-Treated Water”

15:15 – 15:30 Gastev Sergey “PROPOSAL TO SOLVE THE PROBLEM OF GARBAGE LANDS IN THE RUSSIAN FEDERATION BY IMPLEMENTING A PLASMA WASTE PROCESSING SYSTEM”

15:30 – 15:45 Creanga Dorina “Theoretical modeling and experimental study of sodium oleate properties for wastewater cleaning with magnetic nanoparticles stabilized with oleate”

15:45 – 16:00 Aleksey Zaitsev and Yulia Ustinova “The solid household waste thermal processing equipment with an electrical energy generation”

16:00 – 16:15 Svetlana Zueva “Wastewater Treatment from Galvanization Industry with Zinc recovery”

16:15 – 16:30 Platonova Elena “The joint consumption economy as a direction for the development of ideas “Green economy” and optimization of resource use”

16:30 – 16:45 Sergey Zolotukhin “Innovative building technologies for sustainable development”

16:45 – 17:00 Andrew Adewale ALOLA “The topic needs to be added later”

POSTER PRESENTATIONS:

Khaertdinova Al'fira “Patent activity as the generation of new technologies in waste management”

Kalafatov Ilyas “Increasing the resource of the working bodies of tillage machines in the conditions of the soils of the Republic of Crimea”

Tsvetomila Parvanova-Mancheva “NEW METHODS IN BIOLOGICAL WASTEWATER TREATMENT”

Vasileva Evgenia “Classical biological methods in wastewater treatment”

Solovieva Ekaterina “WASTE RECYCLING: SHARE IN THE STRUCTURE OF THE TARIFF FOR THE TREATMENT OF SOLID MUNICIPAL WASTE IN THE VOLOGDA REGION”

FULL LIST OF REGISTERED PARTICIPANTS (ATTENDEES AND LISTENERS) WILL BE AVAILABLE AFTER THE CONFERENCE