



FISEC 14

INTERNATIONAL STUDENT CONFERENCE OF ENVIRONMENTAL PROTECTION AND RELATED SCIENCES APPLICABLE IN ENVIRONMENTAL PROTECTION

ABOUT

The Conference includes a wide range of scientific fields of great importance to Environmental protection. In this way, we will realize problems in securing essential, pollution-free, life quality. We will devote our attention to all the factors that are influencing on environment and sustainable growth. Participants will be presented with modern technologies of green engineering and perm cultural construction, and new wastewater technologies as well.

Sciences covered by this conference:

- Biology
- Chemistry
- Physics
- Geography
- Ecology
- Environmental protection
- Law
- Sociology
- Agriculture
- Pharmacy
- Medicine

The organizer of the conference is the student association of environmental protection RIO, University of Novi Sad

Important dates:

Conference application deadline (including scientific paper) - **September 10th, 2014.**

Conference application deadline (without scientific paper) - **September 20th, 2014.**

Notification regarding scientific paper acceptance: – **October 1st, 2014.**

Time of event: **November 14th, 15th, 16th, 2014.**

For all first authors, an accommodation will be provided, and as for the others, it will be a **10 euro's per day**

Conference application form online: <http://goo.gl/JFuWN1>

Conference application filled form, and abstract should be sent on e-mail:

kukucka.rio@gmail.com

The registration fee is no charge

We encourage all interested students to participate in the Conference using their Master and Ph.D. projects. A college diplomas will be accepted, if they correspond to certain scientific commission criteria

Scientific fields that will be covered by this conference are divided into five main areas:

SOIL

- Soil utilization and protection
- Soil monitoring,
- Microorganisms as a factor in soil quality, protection and repair,
- GIS and soil resources,
- Design and construction of industrial utility landfills and Tailing ponds,
- Landfill repairs and recultivation,
- Legislation and harmonization with EU regulations,
- Remediation of polluted industrial locations,
- Remediation, examples,
- New technologies – “green chemistry” and “green engineering”,

WATER

- Surface waters,
- Subterranean waters,
- Coastal waters of Adriatic Sea,
- Laboratory methods and monitoring,
- Sewage system planning and exploitation,
- Contemporary methods of wastewater purification and sludge treatment,
- Protection of water supply sources,
- Contemporary methods of treatment of the natural water in order to obtain drinking water,
- The quality of water supplied to customer.

AIR

- Air pollution modeling,
- Air pollution measuring and monitoring,
- Aerosols and particles,
- Emission studies,
- Studies of spreading of contamination,
- Pollution prevention using contemporary methods of waste air filtration,

SUSTAINABLE DEVELOPMENT

- The construction sector in terms of green building,
- Architectural engineering of sustainable design,
- Energy efficiency,
- Sustainable green building products,
- Perm culture,
- Alternative energy sources,
- Innovations in the field of energetic,
- Toxicants impact on human health,



LAW

HEALTH

PLANTS AND ANIMALS

WASTE MANAGEMENT

- Regulations and documents,
- Organizational and economic aspects,
- Energy analysis and certification,
- Institutions and associations,

- Electromagnetic radiation and radiation protection,
- Medicine and globalization,
- The impact of toxicants on human health,
- The role of medicine and health services in the advancement of public health
- Protection and promotion of health in a contaminated environment

- The biodiversity of plants and animals
- Biotechnology in the Environment
- Plant species for soil remediation
- Deforestation
- The effect of acid rain

- Medical waste,
- Electronic waste,
- Pharmaceutical waste,
- Municipal waste.

Topics are suggested for easier understanding of the program, but no other topic is excluded.

Plenary speakers:

- Rambo Amadeus - Antonije Pušić (<http://ramboamadeus.com/>)
- prof dr Mirna Habuda-Stanić, M.Sc. Marija Nujić, M.Sc. Andreja Bošnjak, doc. dr sc. Dajana Gašo-Sokač, M.Sc. Valentina Bušić (Croatia): Nanoparticles in water processing
- doc. dr sc. Dajana Gašo-Sokač, M.Sc. Valentina Bušić, M.Sc. Marija Nujić, prof dr Mirna Habuda-Stanić(Croatia): Green chemistry – Plants as alternative for organic synthesis
- prof dr Đula Vatai (Hungary)
- prof dr Vladimir Petruševski (Macedonia): Lecture experiments and demonstrations in chemistry - how to make it "green"
- prof dr Milena Bečelić-Tomin (Serbia)
- dr Nikoleta Kukučka (Serbia)

President of the Scientific Committee: prof dr Milan Matavulj (Serbia—Novi Sad)

Secretary of the Scientific Committee: doc. dr Mario Šiljeg (Croatia—Zagreb)



Association of environmental protection RIO

History and mission of association

Organization was founded by students of the Faculty of Sciences in Novi Sad in 2013. aimed at raising awareness among young people and the importance of environmental protection . Intensive work of the Association RIO has managed to expand his idea at the regional level, so that the current student activists of the Faculty of Serbia, Croatia and Slovenia could all get involved

One of the main areas of work is an exchange of knowledge and the application of the best practices in the field of environmental protection in order to increase the capacity of experts who deal with this issue

Conducting workshops and training in the field of environmental protection in accordance with the Law on Environmental Protection

Organizing expert lectures as part of the Faculty dedicated to students and people who deal with environmental issues

Introducing the new trends in the world and new scientific methods of research in the field of environmental protection

One of the eminent experts who lecture at our sessions are: dr Nikoleta Kukučka, prof dr Milan Matavulj, prof dr Aleksandra Tubic , Alexander Veljić dr Miroslav Kukučka

Networking with NGO's dealing with this issue in order to standardize and strengthen the capacity of activists and those NGOs with whom we have networked. Some of the CSOs that actively cooperate are: Eco Flow Zrenjanin, NIDBS Josif Pancic Mountaineering Club Kindža

Organizing rehabilitation of wild and secondary dump on the bank of the Danube by the students and high school students

Networking with students at national and regional level to strengthen capacity , modernization techniques overcome the problems in the field of environmental legislation and the active participation of citizens in decisions in the environment

News can be followed on social networks:

<https://www.facebook.com/uzsrrio>

<https://www.facebook.com/groups/502263229829246/>

<https://twitter.com/RioUZZS>



Oral Programme	
Friday 14th November 2014	
16:00 - 18:00	Registration desk opens
18:00 - 18:15	Welcome ceremony
18:15 - 19:00	Debate - Antonije Pušić
19:00 - 19:15	Coffee break - Rectorate lobby
19:15 - 20:00	Debate - Antonije Pušić
20:00 - 21:30	Cocktail party - Rectorate lobby
Saturday 15th November 2014	
08:30 - 9:00	Registration desk opens
09:00 - 09:15	Opening Ceremony - prof. dr Milan Matavulj
09:15 - 09:30	[O01] Pharmaceuticals removal from water using advanced oxidation processes combined with UV radiation D. Juretić, T. Radanović, M. Rembacz, H. Kušić, A. Lončarić Božić
09:30 - 09:45	[O02] Medical waste management and Influence on the environment M. Milošević, M. Stojiljković
09:45 - 10:00	[O03] Hydrogen production using alkaline electrolyze - energy savings with application of ion activators F. Bošković
10:00 - 10:15	[O04] Determination of wind potential and implementation possibility of wind energy in the Vojvodina region for demands for energy (Northern Serbia) T. Micić, T. Lukić, D. Đelajac
10:15 - 10:30	[O05] Traditional religions and the environment M. Gašić
10:30 - 10:45	[O06] The use of inorganic immobilisation agents in the remediation of waste sludge from the tallings N. Slijepčević, D. Tomašević, M. Dalmacija†, Dj. Kerkez, B. Dalmacija, S. Rončević, D. Rađenović
10:45 - 11:00	[O07] Brewery effluent as a material for biotechnological production J. Djuran, B. Bajić, J. Đodić
11:00 - 11:30	Plenary Lecture - dr Miroslav Kukučka
11:30 - 12:00	Poster session & Coffee - Rectorate lobby
12:00 - 12:30	Plenary Lecture - prof. dr Mirna Habuda-Stanić
12:30 - 12:45	[O08] Evaluation of solidification/stabilization treatment of sodium slag remaining from the process of recycling lead-acid batteries D. Kerkez, M. Bečelić-Tomin, M. Dalmacija†, D. Tomašević, S. Rončević, G. Pucar, B. Dalmacija
12:45 - 13:00	[O09] Environmental economics: legal framework, instruments, mechanisms and future challenges in r. Macedonia Д. Николовска Вратевска, А. Ангеловска



13:00 - 13:15	[O10] Enhanced phosphate removal from water using mesoporous SiO ₂ enriched with samarium oxide M. Korica, I. Đerđ, S. Deng, F. Zhang, Y. Wang, B. Han, Y. Wang, M. Nuskol
13:15 - 13:30	[O11] Determination of apigenin and apigenin-7-O-β-glucoside in chamomile extract A. Cvetanović, J. Švarc-Gajić, Z. Zeković, D. Adamović, M. Spasojević
13:30 - 13:45	[O12] Location conditions for solar power plants D. Doljak
13:45 - 14:00	[O13] Implementation of green infrastructure in Europe - Examples of good practice V. Makarić Jovanović
14:00 - 14:15	[O14] Medical waste in Serbia: influence on the environment and human health I. Petrić
14:15 - 14:30	[O15] Influence of different anions and its concentrations on electrolytic degradation of cyanide rich waste waters M. Riđošić, S. Pavlović
14:30 - 16:00	Lunch break - Rectorate cafeteria
16:00 - 16:15	[O16] Determination of vitamin E in vegetable oils by HPLC and assessment of their contribution to vitamin E dietary intake I. Tomas, D. Čačić Kenjerić
16:15 - 16:30	[O17] Red mud and its application to the exclusion of pollutants from water systems S. Pavlović, B. Milovanović, M. Riđošić, D. Rajić
16:30 - 16:45	[O18] Exposition rate as a key factor for pesticide poisoning assessment Neda Domanović, Marilja Topalović
16:45 - 17:00	[O19] Precipitation of the highly crystalline iron nanoparticles from the iron mine waste water D. Stević, K. Kaneko, Y. Hattori, R. Kukobat, I. Šurlan, S. Gotovac Atlagić
17:00 - 17:15	[O20] Artificial intelligence in environmental analysis M. Novak, Š. Ukić, H. Kušić, A. Lončarić Božić, M. Rogošić, T. Bolanča
17:15 - 17:30	[O21] Municipal solid waste management and environmental protection – a case study of Ludbreg city L. Radetić, D. Vujević, V. Premur, A. Anić Vučinić
17:30 - 17:45	[O22] Negative influence of organic synthetic color from personal hygiene products on the health and environment A. Gredelj, D. Vujević
17:45 - 18:00	[O23] Correlation between chosen physico-chemical characteristics and honey storage time N. Mendešević, Lj. Primorac
18:00 - 18:45	Poster session & Coffee - Rectorate lobby
Sunday 16th November 2014	
11:30 - 13:30	Round table discussion - Rectorate multimedial room
11:30	Closing ceremony