EnviroChar

Science Fund of the Republic of Serbia

NEWSLETTER

January, 2025 / No. 1

Sustainable solutions in environmental chemistry: exploring biochar potential

Project Launch

EnviroChar team members discussed future activities by defining the basic elements of upcoming work tasks. The implementation plan aimed to share engagement, specific roles and methods to the defined task. The great atmosphere and enthusiasm of EnviroChar team members resulted in looking forward to continuing collaboration to reach project goals.

OVERVIEW

EnviroChar project is one of 30 projects funded by the Science Fund of the Republic of Serbia for young researchers through the PROMIS2023 program.

Project will develop suitable biochar in accordance with green principles and green chemistry and applied it in environmental, analytical and electroanalytical chemistry as a material for method development for persistent organic pollutants determination and removal from aquatic environment.

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Promotional material

Labwork

Production of biochar from different feedstock biomass and its characterisation

Development of voltammetric methods and organic pollutants determination

Biochar for persulfate activation and persistent organic compounds removal

Newspapers

novosadski REPORTER

Politika Društvo i kultura Ekonomija i ekologija Novi Sad Sport Budi čovek, budi human

Istraživanje i novine u hemiji na PMF-u

NOVI SAD – U okviru poziva Promis 2023 Fonda za nauku Republike Srbije jedan od dva odobrena projekta na Prirodno-matematičkom fakultetu (UNS) je projekat pod nazivom "Sustainable solutions in environmental chemistry: exploring biochar potential" (akronim EnviroChar). Rukovodilac projektnog predloga je profesor dr Jelena Beljin sa Departmana za hemiju, biohemiju i zaštitu životne sredine. Članovi tima su docent dr Jasmina Anojčić; dr Tajana Simetić; dr Tamara Apostolović; msc Sanja Mutić i msc Nina Đukanović. Ukupna vrednost projekta je skoro 140.000,00 eura.

Projekat je fokusiran na primenu poljoprivrednog otpada za proizvodnju biouglja u skladu sa zelenim principima i zelenom hemijom. EnviroChar ima za cilj da unapredi razumevanje i korišćenje biouglja kao svestranog i održivog materijala za različite primene, promovišući principe zelene hemije, kao i istraživanje mogućnosti primene biouglja u analitičkoj i elektroanalitičkoj hemiji, kao materijala za razvoj metoda za detekciju i uklanjanje postojanih organskih polutanata iz vodene sredine. Kroz projektne aktivnosti EnviroChar tim će doprineti konceptu „od otpada do resursa" korišćenjem organskog otpada kao sirovine za proizvodnju biouglja, čime se rešavaju izazovi upravljanja otpadom i promoviše cirkularna ekonomija. Verujemo da će rezultati ovog istraživanja doprineti razvoju održivih rešenja za zaštitu životne sredine.

Projekat EnviroChar možete pratiti na društvenim mrežama Instagram, Facebook, mreža X i LinkedIn (user: @envirochar), kao i na sajtu https://envirochar.pmf.uns.ac.rs/

Slika članova tima na slici (sa leva na desno): docent dr Jasmina Anojčić, dr Tajana Simetić, msc Nina Đukanović, msc Sanja Mutić i prof. dr Jelena Beljin

Novosadski reporter

Danas

Najnovije Vesti Kolumne Dijalog Svet Kultura Scena Sport Na lokalu City Magazine Život

Početna ▸ Vesti ▸ Društvo ▸ Vredno istraživanje naučnica sa PMF-a u Novom Sadu: Poljoprivredni otpad pretvaraju u koristan biougalj

DRUŠTVO

Vredno istraživanje naučnica sa PMF-a u Novom Sadu: Poljoprivredni otpad pretvaraju u koristan biougalj

A. Latas
18.03.2024. 14:42

0 komentara

Danas

MOVEM MAGAZIN

MLADE NAUČNICE IZ SRBIJE KOJE MENJAJU SVET

YOUNG FEMALE SCIENTISTS FROM SERBIA WHO CHANGE THE WORLD

Movem Magazine

06 | NAUKA

ELIMINACIJA PESTICIDA UPOTREBOM BIOUGLJA

OD OTPADA DO RESURSA

Biznis.rs

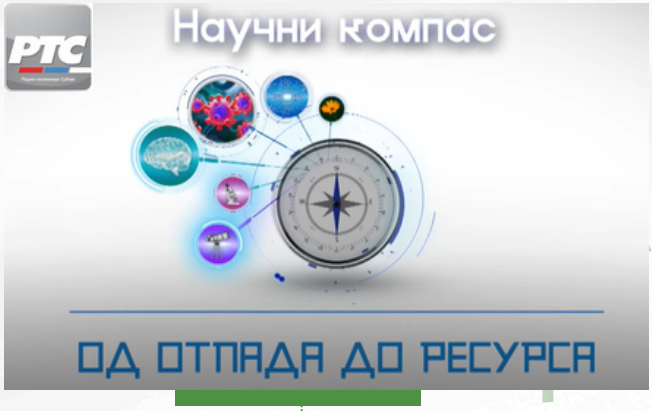
DR JELENA BELJIN, VANREDNA PROFESORKA NA PRIRODNO-MATEMATIČKOM FAKULTETU UNIVERZITETA U NOVOM SADU I RUKOVODITELJKA PROJEKTA ENVIROCHAR

U Evropi, pa i kod nas u Srbiji, količine otpada koje se generišu su izuzetno velike. U okviru pregovora za pristupanje EU, Republika Srbija je kroz Poglavlje 27 započela proces usposta vljanja sistema upravljanja otpadom i njegovo prilagođavanje cijevima i pravnim tekovinama EU. Prema podacima Agencije za zaštitu životne sredine, u Republici Srbiji je prethodnih godina stvoreno oko 9,57 miliona tona otpada po godini, od čega je nešto više od 100.000 tona zaprav o otpad iz poljoprivrede. Ovi podaci govore u prilog tome da je pritisak na životnu sredinu sve izraženij, do te mere da izaziva jasno uočljive negativne uticaje na zemljište, vazduh i vodne resurse, sa nekadnim uticajem na zdravlje stanovništva i održivost ekosistema izloženih rizicu.

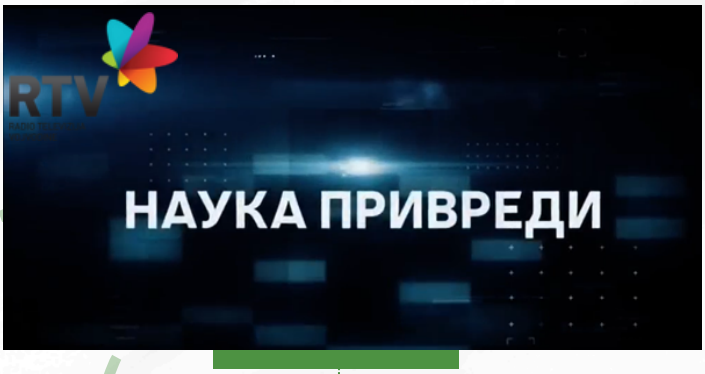
Dr Jelena Beljin

Biznis.rs

Media



TV show "Scientific Compass"
(Radio Television of Serbia)



TV show "Nauka privredi"
(Radio television of Vojvodina)

Radio show "Abakus"
(Radio television of Vojvodina)

"Science on billboards"
15th European Researchers' Night

Public events

19th International Fair of Education "Guidelines"

International fair "World's Leading Trade Fair for Water, Sewage, Waste and Raw Materials Management", IFAT 2024

91st International Agricultural Fair

Escape room "The Secret of the Blue Laboratory: Project PUMBAGO", Chemical Adventure, Department of Chemistry, Biochemistry and Environmental Protection, Faculty of Science

The 15th Exhibition on Water/Water Forum, Belgrade Fair

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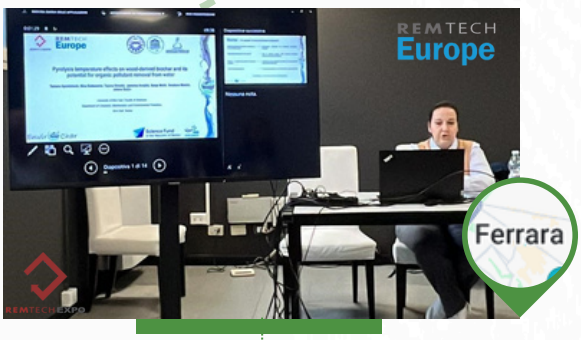
Conferences

Wastewaters, Municipal Solid Wastes, and Hazardous Wastes

9th Regional Symposium on Electrochemistry - South-East Europe

21st IUPAC International Symposium on Solubility Phenomena and Related Equilibrium Processes

27th Congress of the Society of Chemists and Technologists of Macedonia



RemTech Europe, International Conference and Exhibition on land and water remediation markets and technologies

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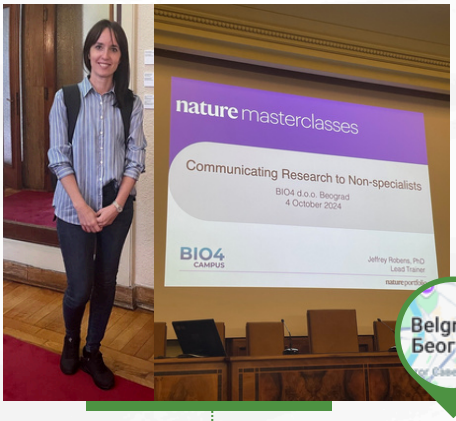
Workshops



Workshop
BIO4 Campus

Workshop
CleanNanoCatalyse project

Workshop
"BEuSED Day"

Water Workshop,
Faculty of Sciences, UNS

Mobility Project
Serbia-China,
Nankai University

Workshop
SmartWater Twin Project

Advanced training in science,
Center for the Promotion of Science

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Published Research Papers

nanomaterials

an Open Access Journal by MDPI

IMPACT FACTOR 4.4 | Indexed in PubMed | CITESCORE 8.5

CERTIFICATE OF PUBLICATION

The certificate of publication for the article titled:

Biochar in the Remediation of Organic Pollutants in Water: A Review of Polycyclic Aromatic Hydrocarbon and Pesticide Removal

Authored by:

Jelena Beljin; Nina Đukanović; Jasmina Anojčić; Tajana Simetić; Tamara Apostolović; Sanja Mutić; Snežana Maletić

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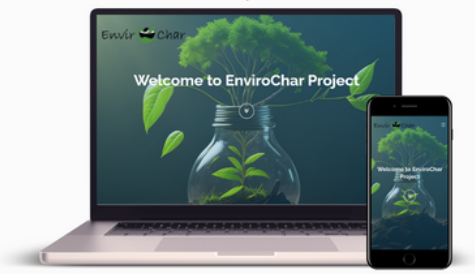
Editor-in-Chief

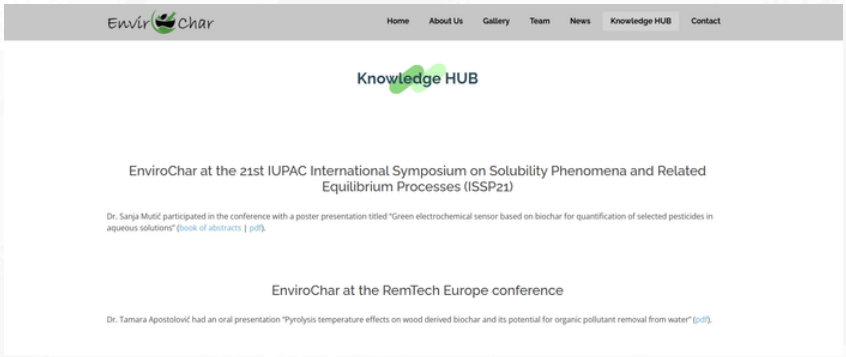
Knowledgde HUB

Visit

envirochar.pmf.uns.ac.rs

website





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