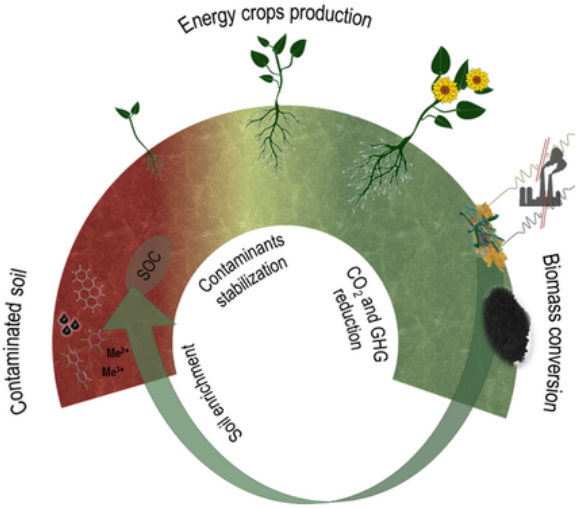
NEWSLETTER

# Natural based efficient solution for remediation and revitalization of contaminated locations using energy crops




## Final Project Newsletter
## Looking Back, Moving Forward!

As the ReNBES project reaches its final stage, we reflect with pride on the scientific knowledge generated, the collaborations established, and the opportunities created for future research.

The project has strengthened interdisciplinary cooperation, promoted scientific exchange, and contributed to raising awareness of the importance of sustainable soil management and nature-based remediation technologies.

Although the project is approaching its conclusion, the knowledge, experience, and partnerships developed through ReNBES will continue to support future research and innovation in environmental protection.

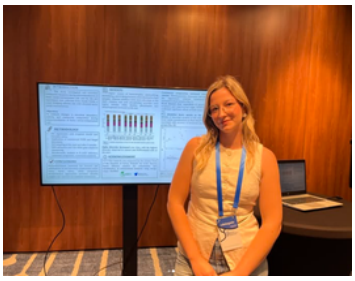
We would like to express our sincere gratitude to all project team members, collaborators, stakeholders, and colleagues who contributed to the successful implementation and dissemination of ReNBES activities. Special thanks go to the Science Fund of the Republic of Serbia for supporting this research and enabling the development of innovative solutions for environmental challenges.

**Together, we continue to work towards healthier soils, sustainable resource management, and a greener future.**

# >>> SCIENTIFIC EVENTS ATTENDED IN 2026



13th Memorial Scientific Conference on Environmental Protection “Docent Dr. Milena Dalmacija” 1-2 April 2026, Novi Sad, Serbia



6th Belgrade Bioinformatics Conference (BelBi2026), 8-10 June 2026, Belgrade, Serbia




1st South-East Transnational Congress of Microbial Sciences (SETCoMS 2026 & MIKROMED REGIO 6), 10–13 June 2026, Belgrade, Serbia



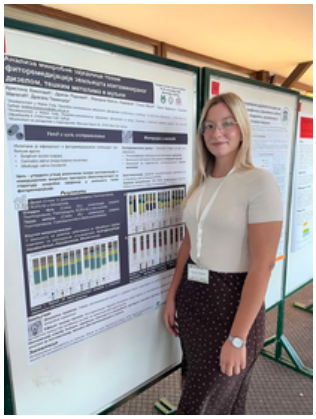
EnviroChem2026, 21–24 June 2026, Bajina Bašta, Serbia



61st Meeting of the Serbian Chemical Society, 4–5 June 2026, Kragujevac, Serbia



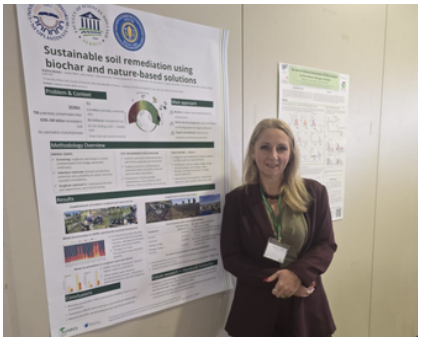
RemTech Europe, 16-18 September 2026, Ferrara, Italy



4th Congress of Serbian Biologists, 16–20 September 2026, Divčibare, Serbia




IBSC 2026, 28-29 September 2026, Novi Sad, Serbia




Humboldt Kolleg 2026, 20-23 October 2026, Belgrade, Serbia

# >>> JOURNAL PUBLICATION IN YEAR 2026

| Authors | Title | Journal and publication details |
|---|---|---|
| Beljin, J., Kragulj Isakovski, M., Maletić, S. | *Engineering Multifunctional Biochars for Integrated Environmental Systems: Multi-Medium Performance, Challenges, and Research Priorities* | *Processes 2026*, 14(4), Article 714. https://www.mdpi.com/2227-9717/14/4/714 |
| Šolić, M., Đukanović, N., Apostolović, T., Beljin, J., Jevrosimov, I., Tamindžija, D., Bajić, I., Milić, S., Zeremski, T., Kragulj Isakovski, M., Maletić, S. (2026) | *Sorghum and Hemp Responses to Plant Growth-Promoting Microorganism Inoculation in Metal-Contaminated Dredged Sediment: A System-Level Assessment Under Environmentally Relevant Outdoor Pot Conditions* | *Journal of Xenobiotics*, 16(3), Article 102. https://www.mdpi.com/2039-4713/16/3/102 |
| Đukanović, N., Beljin, J., Zeremski, T., Milić, S., Stojanov, N., Apostolović, T., Maletić, S. (2026) | *Monitoring of Heavy Metal Content and Bioavailability in Sediments for the Assessment of Groundwater Pollution Risk* | *Voda i sanitarna tehnika*. https://zenodo.org/records/19218927 |


Journal of Xenobiotics
an Open Access Journal by MDPI
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Indexed in: PubMed
CITESCORE 6.0
CERTIFICATE OF PUBLICATION
The certificate of publication for the article titled:
Sorghum and Hemp Responses to Plant Growth-Promoting Microorganism Inoculation in Metal-Contaminated Dredged Sediment: A System-Level Assessment Under Environmentally Relevant Outdoor Pot Conditions
Authored by:
Marko Šolić; Nina Đukanović; Tamara Apostolović; Jelena Beljin; Irina Jevrosimov; Dragana Tamindžija; Ivana Bajić; Stanko Milić; Tijana Zeremski; Marijana Kragulj Isakovski; Snežana Maletić
Published in:
J. Xenobiot. 2026, Volume 16, Issue 3, 102
MDPI
Basel, June 2026
Prof. Dr. François Gagné
Editor-in-Chief


processes
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IMPACT FACTOR 2.8
CITESCORE 5.5
CERTIFICATE OF PUBLICATION
The certificate of publication for the article titled:
Engineering Multifunctional Biochars for Integrated Environmental Systems: Multi-Medium Performance, Challenges, and Research Priorities
Authored by:
Jelena Beljin; Marijana Kragulj Isakovski; Snežana Maletić
Published in:
Processes 2026, Volume 14, Issue 4, 714
MDPI


agronomy
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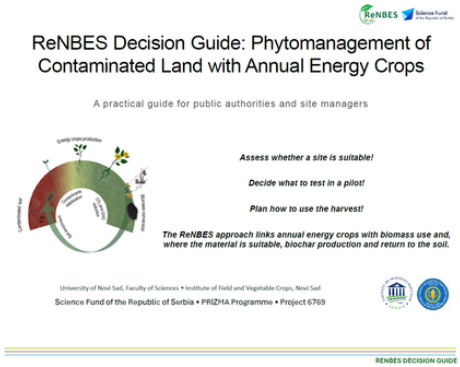
IMPACT FACTOR 3.4
CITESCORE 6.7
CERTIFICATE OF PUBLICATION
The certificate of publication for the article titled:
Phytoremediation Efficiency of Hemp and Sorghum Grown in Contaminated Sediment: The Role of Organic Acids
Authored by:
Nina Đukanović; Jelena Beljin; Tijana Zeremski; Nadežda Stojanov; Stanko Milić; Marijana Kragulj Isakovski; Snežana Maletić
Published in:
Agronomy 2025, Volume 15, Issue 12, 2863
MDPI
Basel, December 2025
Stefan Tochev
Chief Executive Officer

# >>> DECISION ROADMAP




The Decision Roadmap represents an important link between the scientific outputs of ReNBES and the potential future implementation of the proposed remediation strategy.

- The roadmap is intended to support site-specific decision-making by considering three principal dimensions:
- Environmental and practical feasibility: assessment of the environmental performance of the combined phytoremediation and biochar approach, including the potential to stabilise contaminants and reduce their mobility and leaching.
- Economic efficiency: assessment of potential cost reductions and the economic implications of the ReNBES approach compared with conventional remediation methods.
- Legal and regulatory considerations: identification of relevant regulatory issues, barriers and opportunities, together with recommendations to support future implementation of phytoremediation and related practices.

# >>> SPECIAL ACHIEVEMENT



We are delighted and proud to announce that our PI, Snežana Maletić, has been awarded the prestigious Humboldt Research Fellowship for her project: “High-Resolution Mass Spectrometric Profiling of Contaminants in Pyrolyzed Sewage Sludge for Sustainable Fertilizer Use.”

The research will be carried out in collaboration with Professor Bruno Glaser at Martin Luther University Halle-Wittenberg.

This significant international recognition highlights Professor Maletić’s outstanding scientific achievements and her valuable contributions to the field of environmental protection and sustainability.

**Stay Connected!**
**#ReNBES #fondzanauku #prisma**

https://renbes.pmf.uns.ac.rs/
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