

Pilot F presentation University of Belgrade - Faculty of Chemistry (UNIBE)

Ana Đorđević

University of Belgrade - Faculty of Chemistry (Library)

anadj@chem.bg.ac.rs

GraspOS Pilots Workshop

Greece, Athens, 29 – 30 May 2024 in Athena Research Center

User story



graspOS
open research assessment dataspace

Our pilot aims to emphasize the significance of Responsible Research Assessment and reward system for Open Science practices through our Cherry institutional repository.

We have established four main goals and we are collaborating with GraspOS partners to develop innovative repository services. These services are designed to be scalable and sustainable, allowing them to be adopted by other institutions also at the University of Belgrade in the future.



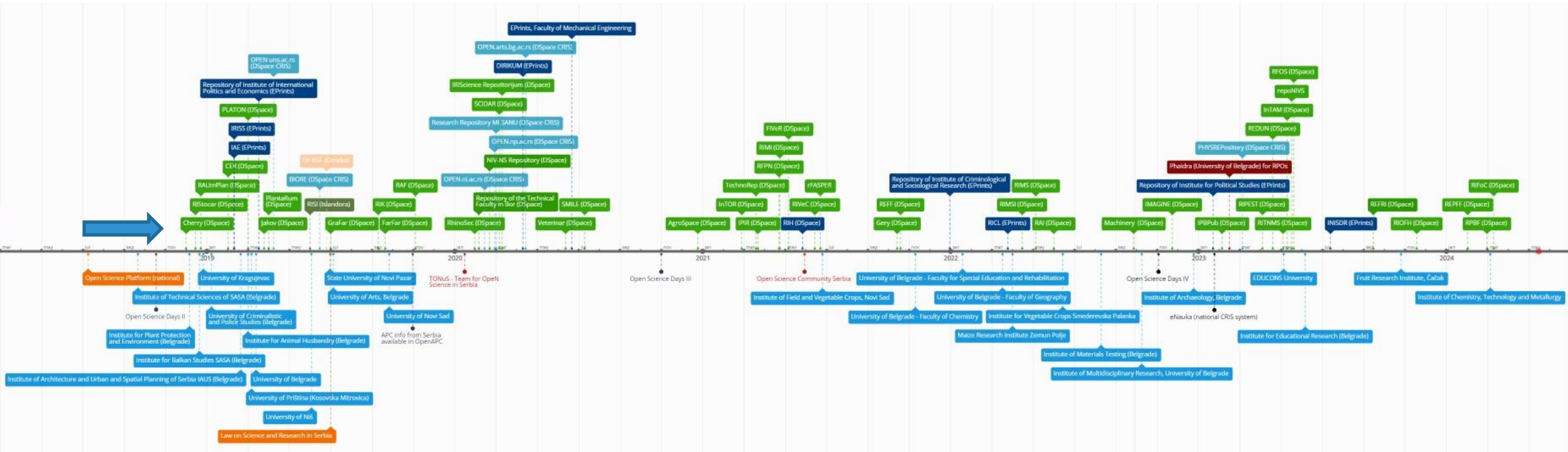
Funded by
the European Union

Supporting



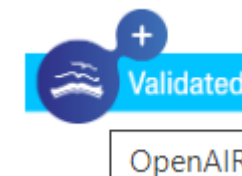
The project is funded by the European Commission, under Grant Agreement No. 101095129

Sustainable infrastructure developed by the University of Belgrade Computer Centre



<https://time.graphics/line/314977>

<http://www2.rcub.bg.ac.rs/spisak-realizovanih-repozitorijuma/>



re3data.org
REGISTRY OF RESEARCH DATA REPOSITORIES

Currently 22 repository at the University of Belgrade



RIFDT

Univerzitet u Beogradu,
Institut za filozofiju i
društvenu teoriju



RADAR

Univerzitet u Beogradu,
Institut za biološka
istraživanja "Siniša
Stanković"



VINAR

Univerzitet u Beogradu,
Institut za nuklearne
nauke Vinča



CHERRY

Univerzitet u Beogradu,
Hemijski fakultet



CER

Univerzitet u Beogradu,
IHTM



GRAFAR

Univerzitet u Beogradu,
Građevinski fakultet



FARFAR

Univerzitet u Beogradu,
Farmaceutski fakultet



RAF

Univerzitet u Beogradu,
Arhitektonski fakultet



RHINOSEC

Univerzitet u Beogradu,
Fakultet bezbednosti



VETERINAR

Univerzitet u Beogradu,
Fakultet veterinarske
medicine



SMILE

Univerzitet u Beogradu,
Stomatološki fakultet



AGROSPACE

Univerzitet u Beogradu,
Poljoprivredni fakultet

TECHNOREP

 Univerzitet u Beogradu,
TMF


RFPN

 Univerzitet u Beogradu,
Fakultet političkih nauka

RFASPER

 Univerzitet u Beogradu,
Fakultet za specijalnu
edukaciju i rehabilitaciju


GERY

 Univerzitet u Beogradu,
Geografski fakultet


REFF

 1838
Univerzitet u Beogradu,
Filozofski fakultet

MACHINERY

 Univerzitet u Beogradu,
Mašinski fakultet


RFOS

 Univerzitet u Beogradu,
Fakultet organizacionih
nauka


REPFF

 Univerzitet u Beogradu,
Filološki fakultet


RPBF

 Univerzitet u Beogradu,
Pravoslavni bogoslovski
fakultet

RALF

 Univerzitet u Beogradu,
Pravni fakultet

Cherry institutional repository at the University of Belgrade - Faculty of Chemistry

**Faculty of Chemistry Repository - Cherry**
University of Belgrade - Faculty of Chemistry

English>Login

Cherry

Cherry Repository

CHERRY, ie CHEmistry RepositoryY is a joint digital repository of the all departments in University of Belgrade - Faculty of Chemistry. CHERRY provides open access to the publications, as well as to other outputs of the research projects implemented in this institution.

The software platform meets the current requirements that apply to the dissemination of scholarly publications and it is compatible with relevant international infrastructures.

You may use the external application *Authors, Projects, Publications (APP)* to browse and search authors and funding information. APP also enables metadata export and displays *Altmetric scores* and *Dimensions, Scopus, OpenCitations* and *Web of Science* citation counts.

[User Manual](#)


Institutions/Communities

Select an institution/community

[Hemijski fakultet / Faculty of Chemistry](#)

[Inovacioni centar / Innovation Centre](#)

Recently Added



All of DSpace

- Institutions/communities
- Authors
- Titles
- Subjects

LISTED BY:


- Year published**
 - 2020 - 2024 (2052)
 - 2010 - 2019 (3174)
 - 2000 - 2009 (803)
 - 1990 - 1999 ()
 - 1982 - 1989 ()

Document Type
Article (3707)
Conference object (781)
Dataset (694)
Bachelor Thesis (352)
Master Thesis (282)
Doctoral thesis (219)
Book part (64)
Other (44)
Contribution To Periodical (41)
Lecture (8)

Subject
Cytotoxicity (75)
DFT (60)
Antimicrobial activity (58)
Antioxidant activity (55)
sinteza (52)

Version
Published version (5896)
Accepted Version (301)

Access
Restricted Access (3154)
Open Access (2649)
Embargoed Access (296)



Green OA

Self-archiving in compliance with publisher's policy


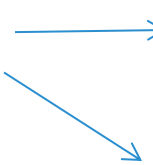
Embargo

*** the data of the repository can be easily exported through application APP**

Faculty of Chemistry as a Pilot

...involved in the piloting activities from the perspective of the chemistry research community

Goals & links to *GraspOS*:

- Develop an assessment protocol for in-departmental career assessment.
 - 4. Evaluate indicators and metrics on how they can improve researcher career assessment.  Enhancing the institutional Rulebook on Open Science (https://hdl.handle.net/21.15107/rcub_cherry_5991)
 - Enrich a researcher Openness Profile as an add-on to the local repository.
<https://cherry.chem.bg.ac.rs/APP/>
 - Collaboration: Integrate information from [OpenAIRE Graph](#), [BIP! Scholar](#) and [OpenCitations](#) to the local researcher dashboard.
- 
1. Establishing **badges** for researchers
 2. Establishing **badges** for groups of researchers (departments)
 3. Establishing **badges** for participation in OS seminars conducted by a librarian

Cherry's external application APP – making the story come true

cherry.chem.bg.ac.rs/APP/

APP Authors Projects Publications

Authors

search... 1 - 30 / 7449

Authority Key	Name Variants
orcid::0000-0003-2559-5234	• Ćirković-Veličković, Tanja (350)
orcid::0000-0001-7060-9055	• Tešević, Vele (308)
orcid::0000-0002-6067-2349	• Zarić, Snežana D. (290)
orcid::0000-0001-7465-1373	• Stanković, Dalibor (256)
orcid::0000-0001-6274-4222	• Milojković-Opsenica, Dušanka (237)
orcid::0000-0002-5162-3123	• Tešić, Živoslav Lj. (228)
orcid::0000-0003-1388-6245	• Manojlović, Dragan D. (228)
orcid::0000-0002-6372-4706	• Beškoski, Vladimir (205)
orcid::0000-0002-8591-4391	• Gavrović-Jankulović, Marija (169)

Badges to acknowledge Open Practices


- **Authors**
- **Departments**


Examples: <https://help.osf.io/article/452-open-practice-badges>





Cherry's external application APP


APP



 Authors

 Projects

 Publications

Projects 

 search...

 1 - 30 / 1578 

Project ID	Project Title
info:eu-repo/grantAgreement/MESTD/inst-2020/200168/RS// (680)	Ministarstvo prosvete, nauke i tehnološkog razvoja Republike Srbije, Ugovor br. 451-03-68/2020-14/200168 (Univerzitet u Beogradu, Hemijski fakultet)
info:eu-repo/grantAgreement/MESTD/inst-2020/200026/RS// (274)	Ministarstvo prosvete, nauke i tehnološkog razvoja Republike Srbije, Ugovor br. 451-03-68/2020-14/200026 (Univerzitet u Beogradu, Institut za hemiju, tehnologiju i metalurgiju - IHTM)
info:eu-repo/grantAgreement/MESTD/Basic Research (BR or ON)/172035/RS// (259)	Рационални дизајн и синтеза биолошки активних и координационих једињења и функционалних материјала, релевантних у (био)нанотехнологији
info:eu-repo/grantAgreement/MESTD/Basic Research (BR or ON)/172017/RS// (257)	Корелација структуре и особина природних и синтетичких молекула и њихових комплекса са металима
info:eu-repo/grantAgreement/MESTD/inst-2020/200288/RS// (242)	Ministarstvo prosvete, nauke i tehnološkog razvoja Republike Srbije, Ugovor br. 451-03-68/2020-14/200288 (Inovacioni centar Hemijskog fakulteta u Beogradu doo)
info:eu-repo/grantAgreement/MESTD/Basic Research (BR or ON)/172053/RS// (176)	Биоактивни природни производи самониклих, гајених и јестивих биљака: одређивање структура и активности
info:eu-repo/grantAgreement/MESTD/Basic Research (BR or ON)/172055/RS// (171)	Интеракције природних производа, њихових деривата и комплексних једињења са протеинима и нуклеинским киселинама
info:eu-repo/grantAgreement/EC/FP7/256716/EU// (168)	Reinforcement of the Faculty of Chemistry, University of Belgrade, towards becoming a Center of Excellence in the region of WB for Molecular Biotechnology and Food research

OpenCitations in Cherry (APP)

APP

Authors

Projects

Publications

All Publications

Altmetric

Dimensions

WOS

Scopus

OpenCitations

BipRanker

Communities & Collections

Publication Year

2023 (51)

2022 (112)

2021 (176)

2020 (180)

2019 (173)

2018 (187)

OpenCitations

1 - 25 / 2711

Assessment of heavy metal pollutants accumulation in the Tisza river sediments

Sakan, Sanja M.; Đorđević, Dragana S.; Manojlović, Dragan D.; Predrag, Polić S.

(Academic Press Ltd- Elsevier Science Ltd, London, 2009)

302

Microfluidic Generation of Monodisperse, Structurally Homogeneous Alginate Microgels for Cell Encapsulation and 3D Cell Culture

Utech, Stefanie; Prodanović, Radivoje; Mao, Angelo S.; Ostafe, Raluca; Mooney, David J.; Weitz, David A.

(Wiley-Blackwell, Hoboken, 2015)

253

Electrochemical Behavior and antioxidant and prooxidant activity of natural phenolics

Simic, Aleksandra; Manojlović, Dragan D.; Šegan, Dejan M.; Todorović, Marija B.

(Molecular Diversity Preservation Int, Basel, 2007)

248

The Significance of Reactive Oxygen Species and Antioxidant Defense System in Plants: A Concise Overview

Dumanović, Jelena; Nepovimova, Eugenie; Natić, Maja; Kuća, Kamil; Jačević, Vesna

(Frontiers, 2021)

240

Analysis and characterisation of phytochemicals in mulberry (Morus alba L.) fruits grown in Vojvodina, North Serbia

190

OpenCitations



OpenCitations Count:	319
Title:	Assessment Of Heavy Metal Pollutants Accumulation In The Tisza River Sediments
Author:	Sakan, Sanja, 0000-0002-1121-2602; Dorđević, Dragana, 0000-0003-4083-7860; Manojlović, Dragan, 0000-0003-1388-6245; Predrag, Polić S.
Source:	Journal Of Environmental Management (2009-08), Vol. 90, Iss. 11, p. 3382-3390
Citing Articles:	Mobility and sulfidization of heavy metals in sediments of a shallow eutrophic lake, Lake Taihu, China Huo, Shouliang <i>Journal of Environmental Sciences</i> (2015), Vol. 31, p. 1-11 Click to View 10.1016/j.jes.2014.12.003 View at Publisher

A bar chart with five bars of increasing height, representing a positive growth trend. The bars are dark blue and set against a light gray background.

1 - 25 / 2256

(Academic Press Ltd- Elsevier Science Ltd, London, 2009)

(Molecular Diversity Preservation Int, Basel, 2007)

(Amer Chemical Soc, Washington, 2016)

(Elsevier Ireland Ltd, Clare, 2011)

Communities & Collections

2020 (85)

2009 • Assessment of heavy metal pollutants accumulation in the Tisza river sediments



Authors: Sakan, Sanja, Đorđević, Dragana, Manojlović, Dragan, Polić, Predrag

Venue: Journal of Environmental Management

Type: Publication

Abstract: In this study we have worked on the evaluation of heavy metal contamination in the sediments taken from the Tisza River and its tributaries, and thereby used the sequential extraction method, geochemical normalization, the calculation of the enrichment factor (EF), and the methods of statistical analysis. The chemical fractionation of Ni, Cu, Zn, Cr, Pb, Fe, and Mn, carried out by using the modified Tessier method, points to different substrates and binding mechanisms of Cu, Zn and Pb in sediments of the tributaries and sediments of the Tisza R... [\(read more\)](#)

Topics: [Environmental chemistry](#)

DOI: [10.1016/j.jenvman.2009.05.013](https://doi.org/10.1016/j.jenvman.2009.05.013)

BIP! social metrics: 0 6

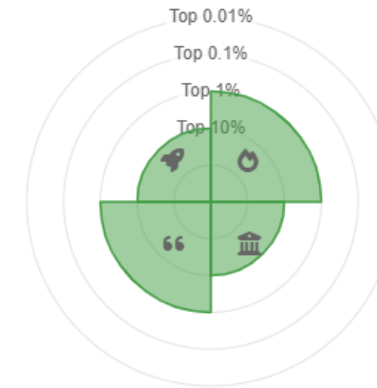
External links: [Crossref](#) [OpenAIRE](#)

BibTex

PDF

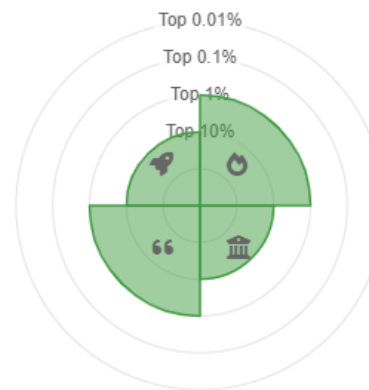


Cross-topic impact indicators



Topic-specific impact indicators

Based on topic "Environmental chemistry"



 CER - Central Reposi...
  View all 3 versions
 |
  Link to
  Share
  Cite
  ID Claim

Assessment of heavy metal pollutants accumulation in the Tisza river sediments

 Publication >> Article • 01 Aug 2009 • Serbia •

Publisher: Elsevier BV • Journal: Journal of Environmental Management, volume 90, pages 3,382-3,390 (issn: 0301-4797,  Copyright policy )

Authors:  Sanja M, Sakan; Dragana S, Dordević;  Dragan D, Manojlović; Polić S, Predrag;

DOI: [10.1016/j.jenvman.2009.05.013](https://doi.org/10.1016/j.jenvman.2009.05.013)  PMID: [19515481](https://pubmed.ncbi.nlm.nih.gov/19515481/) 

Summary Subjects Metrics

Abstract

In this study we have worked on the evaluation of heavy metal contamination in the sediments taken from the Tisza River and its tributaries, and thereby used the sequential extraction method, geochemical normalization, the calculation of the enrichment factor (EF), and the methods of statistical analysis. The chemical fractionation of Ni, Cu, Zn, Cr, Pb, Fe, and Mn, carried out by using the modified Tessier method, points to different substrates and binding mechanisms of Cu, Zn and Pb in sediments of the tributaries and sediments of the Tisza River. The similarities in the distributions of Fe and Ni in all types of sediments are the result of geochemical similarity as well as of the fact that natural sources mainly affect the concentration levels of these elements. The calculated enrichment factors (EF, measured metal vs. background concentrations) indicated that metal contamination (Cu, Pb, Zn and Cr) was recorded in the sediments of the Tisza River, while no indications of pollution were detected in the tributaries of the Tisza River and the surrounding pools. The maximum values of the EF were close to 6 for Cu and Pb



 Citations **344**
 Popularity **TOP 1%**
 Influence **TOP 1%**
 Impulse **TOP 10%**
 Views **347**
 Downloads **23**

 Bronze

Beta

SDGs (3)

View all & suggest >

 6. Clean water
 13. Climate action

Fields of Science (6)

View all & suggest >

[natural sciences](#)
[earth and related environmental sciences](#)

Roadmap - what is currently missing from the services

- **Retrieving data** using the public API provided by BIP!Ranker,
- **Citation Count data** in OpenAIRE Graph (currently we only have a display for three metrics: Popularity, Impulse, Influence for our records),
- Small **discrepancies** between the **metrics** shown in **BIP!Ranker** and the **OpenAIRE Graph**,
- **"View and Download"** feature...

*We used **public keys** for access, which have **limitations** (e.g., not all fields are visible via the API, or there are restrictions on the number of API calls per hour/day).

Registration within OpenAire Graph and BIP!Ranker may be required for full access.

Let's make it happen! Together.

THANK YOU



anadj@chem.bg.ac.rs



www.linkedin.com/in/ana-dordevic-654531119



[@ana_carpediem](https://twitter.com/ana_carpediem)



Funded by
the European Union

Supporting



The project is funded by the European Commission, under Grant Agreement No. 101095129