GraspOS Pilot activities

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University of Belgrade – Faculty of Chemistry

BEAMING Hybrid Open Science clustering event, University of Novi Sad, Serbia, November 18, 2024

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

Faculty of Chemistry in a nutshell for GraspOS

- GraspOS brings an interdisciplinary team of 18 partners
- 9 Pilots on Open Science-aware Responsible Research Assessment
- Support the emerging policy reforms
- Pave the way towards an Open Science aware Responsible Research Assessment system

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Partners

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Pilots

Social Sciences & Humanities Domain

SSH

The pilot will provide general assessment criteria for Social Sciences and Humanities, considering the specificity of the domain: monographs, OA books, diamond OA journals and infrastructure develo...

Agricultural & veterinary sciences Domain

FRANCE, AGRICULTURE

INRAE's approach to open science includes engagement with different audiences (experts/non-experts), building trustworthy relationships with stakeholders — not-for-profit associations in particular...

Computer Science Domain

COMPUTER SCIENCE

The pilot will provide general assessment criteria for computer science, considering the specificity of the domain: central role of conferences, wide usage of preprints in several

Research.fi

Recognising Open Science in a National CRIS

FINLAND, NATIONAL CASE

Finland's national CRIS system (Research.fi - https://research.fi/) compiles information on Finnish research from institutional, national and international sources. Its purpose is to provide an ove...

brainmap

National funding monitoring platforms

ROMANIA

UEFISCDI is the main funder in Romania ensuring online submission and evaluation of RDI calls, online contracting, monitoring and reporting of projects and scientific progress, at both national and...

Assessing Open Science values at Utrecht University

NETHERLANDS, UNIVERSITY

This pilot will build on current OS monitoring activities and visions for novel forms of recognition and rewards put forward by the OS programme of the university, and will work at three levels: in...

Consiglio Nazionale delle Ricerche

National Research Organisation

ITALY, RESEARCH GROUP

In 2022, the National Research Council of Italy (CNR) approved the "Relaunch Plan," which includes reforming the research assessment system. In November 2022, CNR also signed the CoARA agreement, a...

UNIVERSITY OF EASTERN FINLAND

Novel methods for responsible research assessment and Open Science evaluation

FINLAND, UNIVERSITY DEPATMENT

University of Eastern Finland (UEF) is a pioneer of Open Science and science communication. In this pilot, UEF will be using novel methods to evaluate Open Science and enable responsible research a...

UNIVERZITET U BEOGRADU

HEMIJSKI FAKULTET

University Department Level (Chemistry)

SERBIA, UNIVERSITY DEPATMENT, CHEMISTRY

The institutional repository of the University of Belgrade - Faculty of Chemistry Cherry is used as a source of information for preparing annual reports listing research results. The data of ...

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User story

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.

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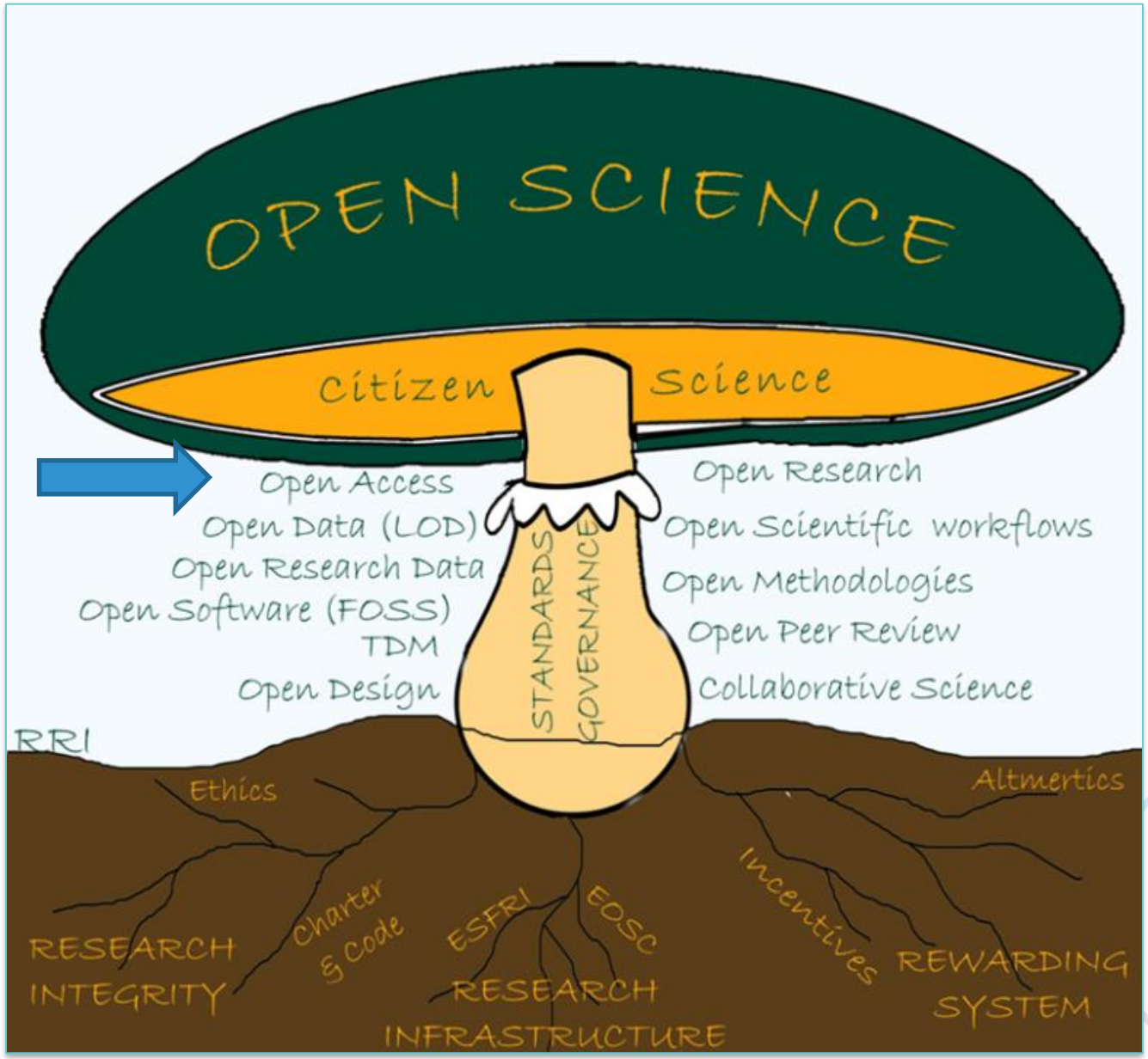
Hanging together…



Source: OpenAire (based on Eva Méndez).

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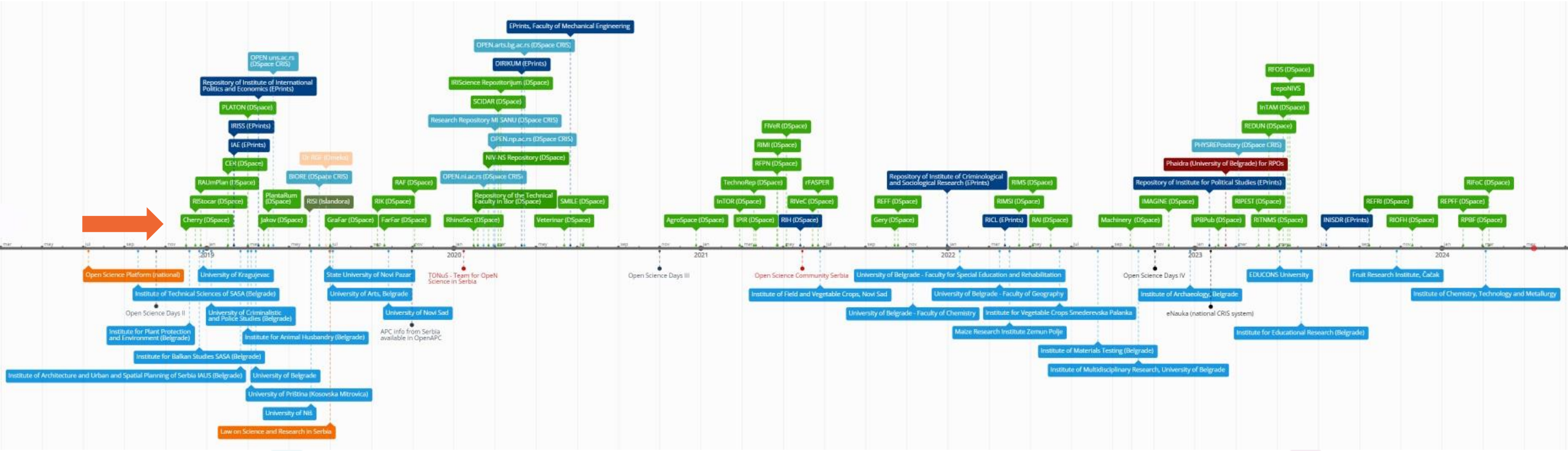
Sustainable infrastructure developed by the University of Belgrade Computer Centre



https://time.graphics/line/314977
https://trapist.rcub.bg.ac.rs/spira/#/

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Currently 22 repository at the University of Belgrade

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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

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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
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

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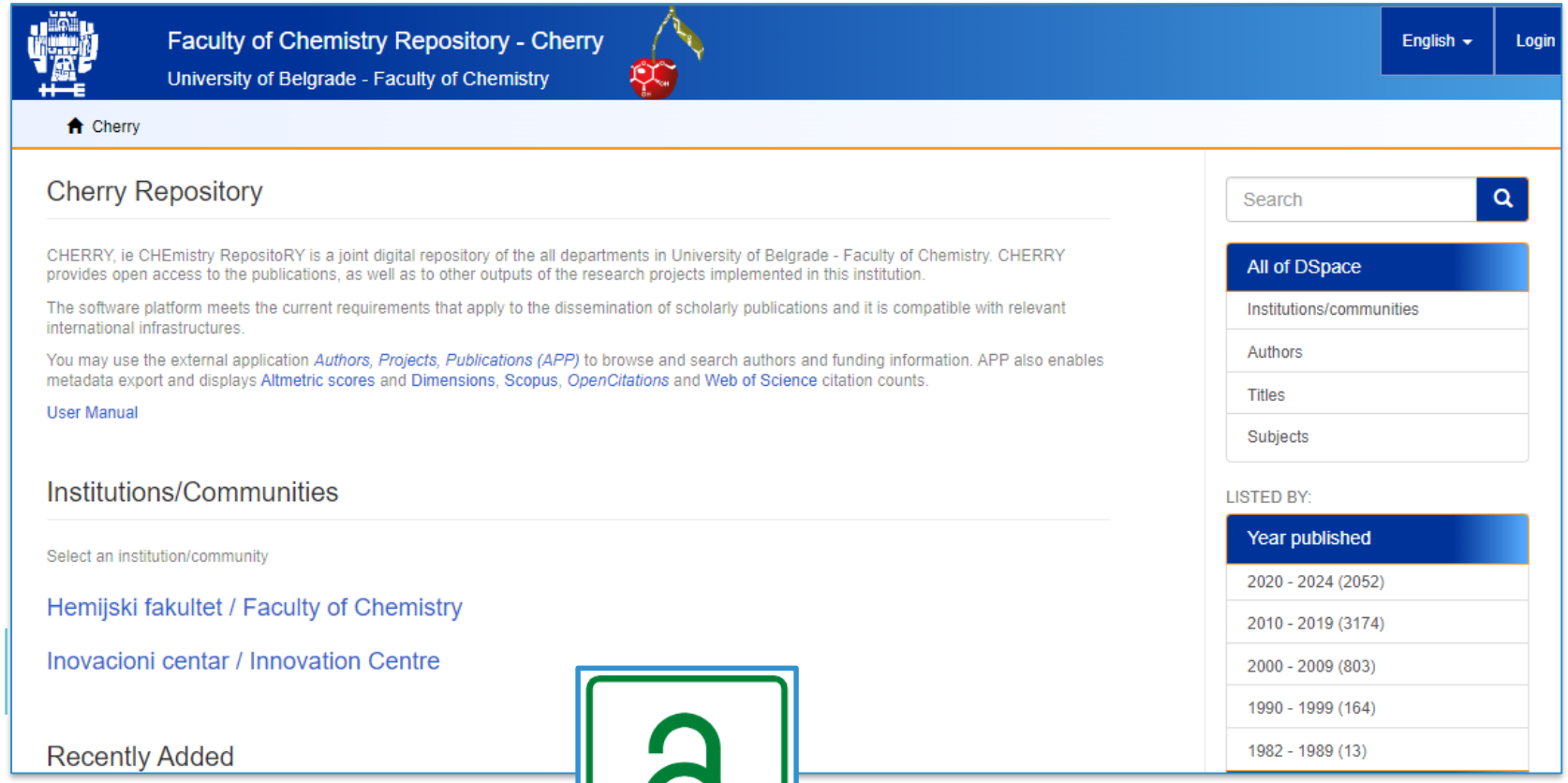
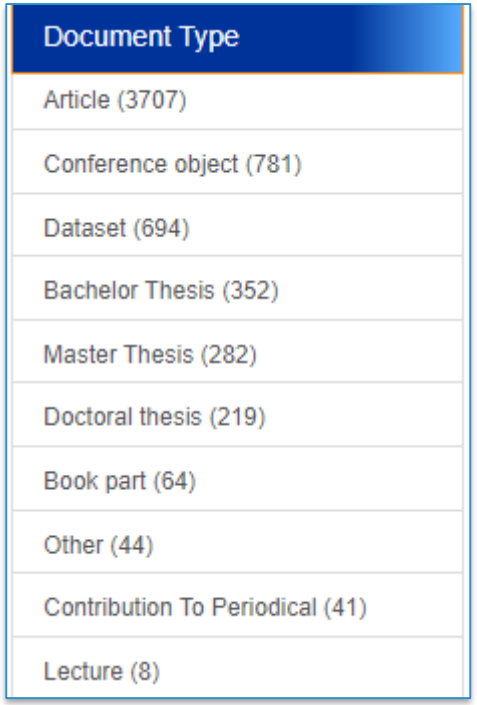
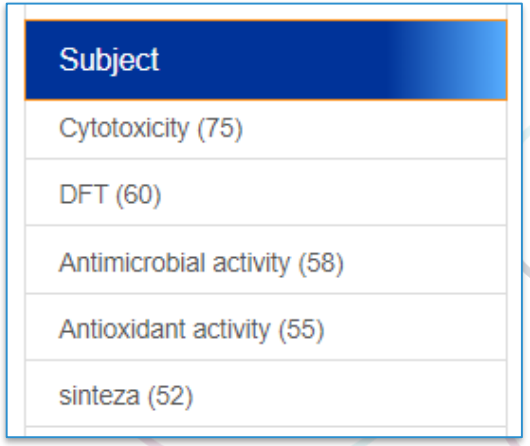
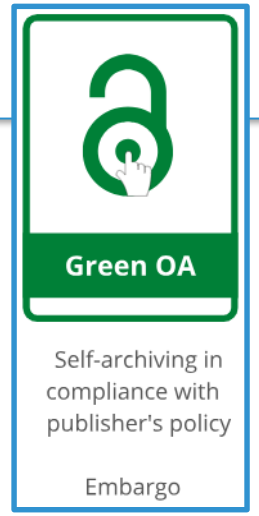
Cherry institutional repository at the University of Belgrade - Faculty of Chemistry









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

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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.

- Enrich a researcher Openness Profile as an add-on to the local repository. → https://cherry.chem.bg.ac.rs/APP/

- Integrate information from OpenAIRE Monitor, BIP! Scholar and OpenCitations to the local researcher dashboard.

- 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)

→ Establishing badges for researchers

→ Establishing badges for groups of researchers (departments)

→ Establishing badges for participation in OS seminars conducted by a librarian

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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**
- **Courses**

example:

openAccess (209)

restrictedAccess (95)

embargoedAccess (24)

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

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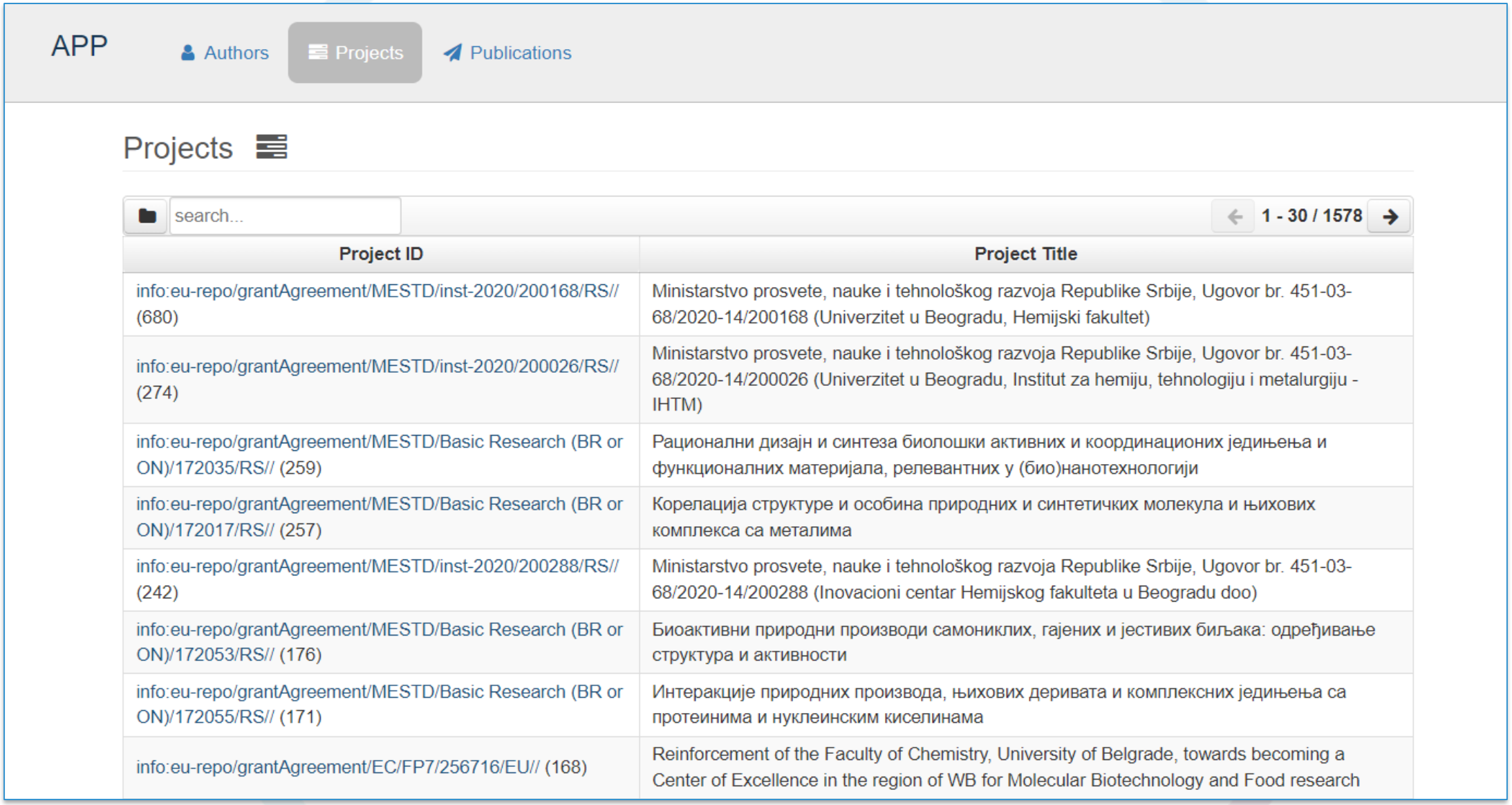
Cherry's external application APP



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

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OpenCitations data in Cherry (APP)

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OpenCitations

OpenCitations

OpenCitations Count:	325
Title:	Assessment Of Heavy Metal Pollutants Accumulation In The Tisza River Sediments
Author:	Sakan, Sanja, 0000-0002-1121-2602; Đorđević, 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 *Journal of Environmental Sciences (2015), Vol. 31, p. 1-11* Click to View 10.1016/j.jes.2014.12.003 | View at Publisher **Geochemical signature and environmental background of bottom sediments in a tropical aquatic system: the Três Marias Reservoir, Brazil** Lima, Gustavo Filemon Costa *Environmental Monitoring and Assessment (2021), Vol. 193, Iss. 2* Click to View 10.1007/s10661-021-08876-8 | View at Publisher

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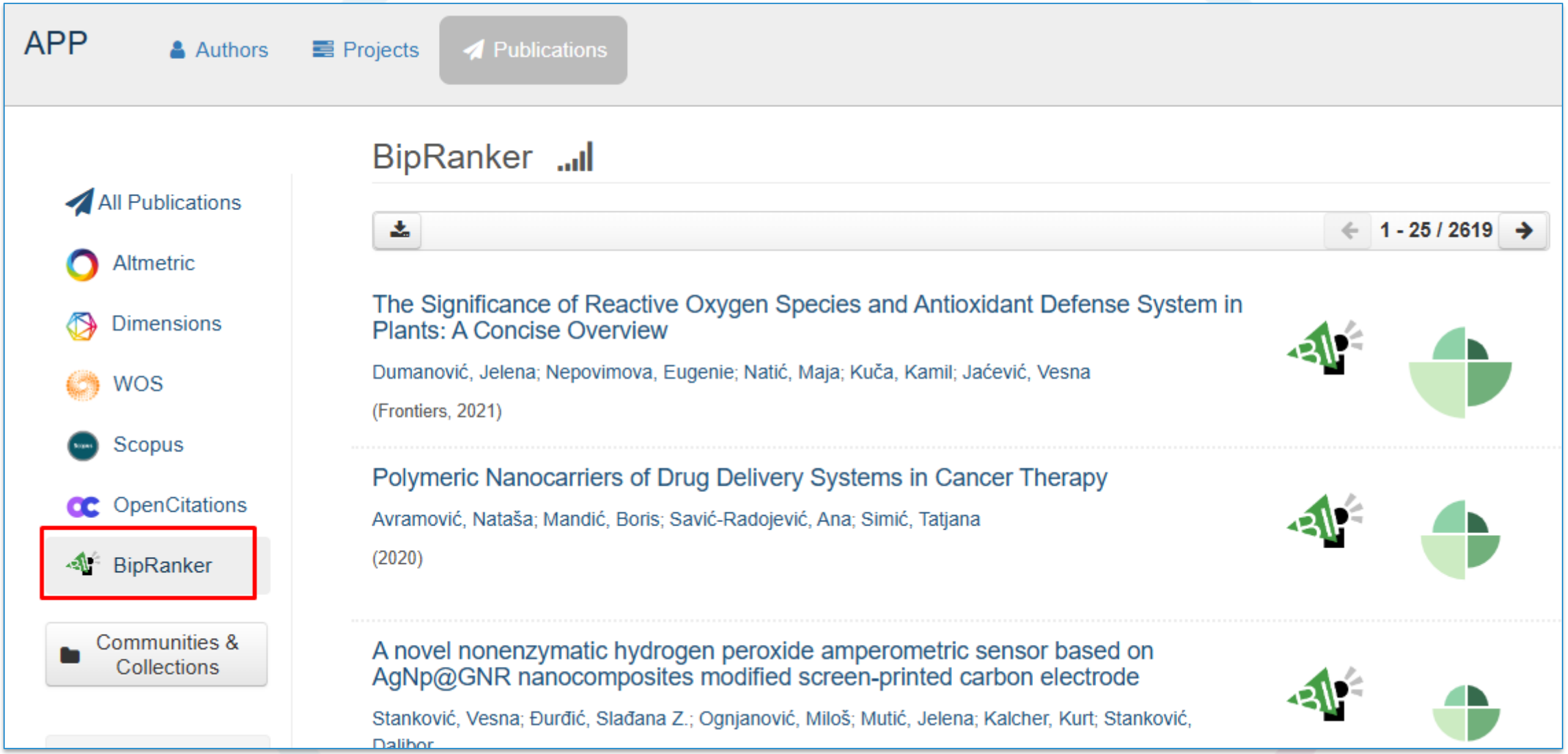
BIP!Ranker and OpenAIRE Graph data in Cherry (APP)



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2021 • The Significance of Reactive Oxygen Species and Antioxidant Defense System in Plants: A Concise Overview

Authors: Jelena Dumanović, Eugenie Nepovimova, Maja Natić, Kamil Kuča, Vesna Jaćević

Venue: Frontiers in Plant Science

Type: Publication

Abstract: In plants, there is a complex and multilevel network of the antioxidative system (AOS) operating to counteract harmful reactive species (RS), the foremost important of which are reactive oxygen species (ROS), and maintain homeostasis within the cell. Specific AOSs for plant cells are, first and foremost, enzymes of the glutathione-ascorbate cycle (Asc-GSH), followed by phenolic compounds and lipophilic antioxidants like carotenoids and tocopherols. Evidence that plant cells have excellent antioxidative defense systems is their ability to surviv... (read more)

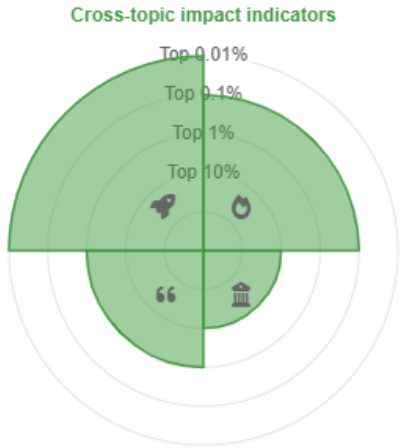
Topics: Biochemistry | Botany

DOI: 10.3389/fpls.2020.552969

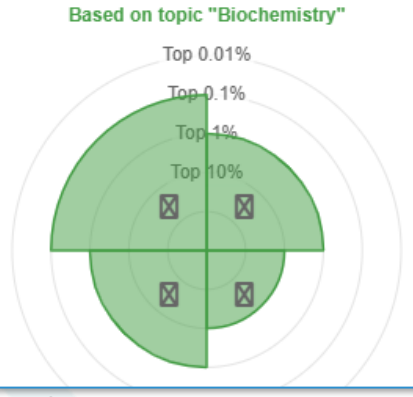
BIP! social metrics: 0 10

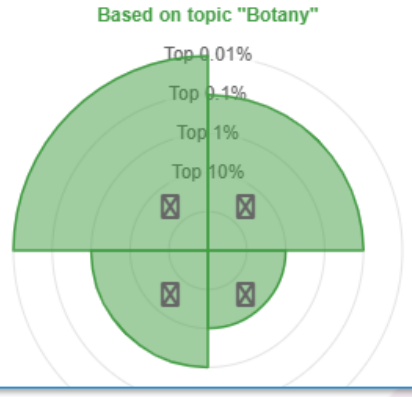
External links: Crossref OpenAIRE

BibTex PDF



Topic-specific impact indicators





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the significance of reactive oxygen species and antioxidant defense system in plants a concise overview

Publication » *Journal, Article* • 06 Jan 2021 • Serbia • Publisher: Frontiers Media SA • Journal: Frontiers in Plant Science, volume 11 (eissn: 1664-462X, Copyright policy)

Authors: *Jelena Dumanović; Jelena Dumanović; Eugenie Nepovimova; Maja Natić; Kamil Kuča; Vesna Jaćević; Vesna Jaćević;* +1 Authors

DOI: 10.3389/fpls.2020.552969 PMID: 33488637 PMC: PMC7815643

Citations 431
Popularity TOP 0.1%
Influence TOP 10%
Impulse TOP 0.01%

Green Gold

Summary Subjects Related research (1) Metrics

Abstract
In plants, there is a complex and multilevel network of the antioxidative system (AOS) operating to counteract harmful reactive species (RS), the foremost important of which are reactive oxygen species (ROS), and maintain homeostasis within the cell. Specific AOSs for plant cells are, first and foremost, enzymes of the glutathione-ascorbate cycle (Asc-GSH), followed by phenolic compounds and lipophilic antioxidants like carotenoids and tocopherols. Evidence that plant cells have excellent antioxidative defense systems is their ability to survive at H2O2concentrations incompatible with animal cell life. For the survival of stressed plants, it is of particular importance that AOS cooperate and participate in redox reactions, therefore, providing better protection and regeneration of the active reduced forms. Considering that plants abound in antioxidant compounds, and humans are not predisposed to synthesize the majority of them, new fields of research have emerged. Antioxidant potential of plant compounds has been exploited for anti-aging formulations preparation, food fortification and preservation but also in designing new therapies for diseases with oxidative stress implicated in etiology.

Country
Serbia

Fields of Science (3) View all >
medical and health sciences
basic medicine

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Let’s make it happen! Together.

THANK YOU

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anadj@chem.bg.ac.rs

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open research assessment dataspace

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