



# Implementation of doiSerbia service in Serbia

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National Library of Serbia

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Belgrade, March 2019.

# Themes:

- **What is DOI and what is it used for?**
- **Implementation of DOI in Serbia**
- **Why the National Library of Serbia?**
- **How copyrights are regulated?**
- **How you can do it?**
- **doiSerbia journals - 2005**  
**doiSerbia PhD (9 month project, founded by EIFL)- 2013**

# What is DOI?

- “unique alpha-numerical character assigned to a unique digital object (article, book chapter etc.)”

## What is its purpose?

- “establishing permanent link to the Internet page where document is uploaded”



## How is it established?

- Connecting data about articles, DOI numbers and url (web) addresses is accomplished through service CrossRef ([www.crossref.org](http://www.crossref.org)). That service supports DOI numbers database, metadata and links to full text.

# It is composed of...

**prefix:**  
**10.2298**  
it is the same for all editions  
from one publisher

**suffix:**  
**HEMIND1001021S**  
optional, but with a single  
meaning

Journal abbreviated title  
year  
issue

article begin page

The first letter of the surname of the first author

**10.2298/HEMIND1001021S**

# How it is cited in “print”...

## Significance of the structural properties of CaO catalyst in the production of biodiesel: An effect on the reduction of greenhouse gas emissions

Radomir B. Ljupković<sup>1</sup>, Radoslav D. Mičić<sup>2</sup>, Milan D. Tomić<sup>3</sup>, Niko S. Radulović<sup>1</sup>, Aleksandar Lj. Bojić<sup>1</sup>, Aleksandra R. Zarubica<sup>1</sup>

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<sup>2</sup>NTC NIS Naftagas – Novi Sad, Novi Sad, Serbia

<sup>3</sup>Faculty of Agriculture, University of Novi Sad, Novi Sad, Serbia

### Abstract

The influence of the physicochemical properties of a series of CaO catalysts activated at different temperatures on the biodiesel production was investigated. These catalysts show dissimilar yields in the transesterification of triglycerides with methanol. We have found significant relationships between structural properties (the type of the pore system, the typical CaO crystal phase and the sizes of crystallites (up to 25 nm), the minimal weight percentage of CaO phase, the total surface basicity and potential existence of two types of basic active sites) of CaO prepared and activated by means of thermal treatment at highest temperature and catalytic efficiency. Benefits of this catalyst are short contact time, standard operating temperature and atmospheric conditions, relatively low molar ratios and small catalyst loading. These all together resulted in a very high biodiesel yield of high purity. The properties of different biodiesel (obtained with the use of the prepared CaO catalyst) blends with different diesel and biodiesel ratios indicate that the higher the fraction of biodiesel fuel the better the achieved fuel properties according to the EU standards. A significant reduction of CO<sub>2</sub> and CO emissions and only a negligible NO<sub>x</sub> increase occurred when blends with an increased biodiesel portion was used. The use of biodiesel derived blends, and the eventual complete replacement of fossil fuels with biodiesel as a renewable, alternative fuel for diesel engines, would greatly contribute to the reduction of greenhouse gas emissions.

**Keywords:** biodiesel production, CaO catalyst, greenhouse gas emissions, structural catalytic properties.

SCIENTIFIC PAPER

UDC 662.756.3:544.47:66.097.3

*Hem. Ind.* 68 (4) 399–412 (2014)

doi: 10.2298/HEMIND130612063L



# ... and how in “e-sources”



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"Geometrical and electrical" nikolic

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[Analysis and synthesis of thick-film resistors using EGET principles - KoBSON](#)

OS Aleksic, PM **Nikolic**, DM Todorovic - Hybrid Circuits, 1988 - csa.com

OS Aleksic, PM **Nikolic**, DM Todorovic Hybrid Circuits 17, 20-3, 1988. ... A rectangular resistor is transformed into equivalent **geometrical and electrical** units and ...

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# The main goal – connection with the full text, but also ...

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Abstract  
Keywords  
1. Introduction  
2. Materials and methods  
3. Results and discussion  
4. Conclusion  
Acknowledgements  
Appendix A. Supplementary data  
References

Figures and tables

 **Food Chemistry**  
Volume 171, 15 March 2015, Pages 89–97

**Theoretical study on the structural and antioxidant properties of some recently synthesised 2,4,5-trimethoxy chalcones**

Guirong Wang<sup>b</sup>, Yunsheng Xue<sup>a,b</sup>, Lin An<sup>a,b</sup>, Youguang Zheng<sup>a,b</sup>, Yunyan Dou<sup>b</sup>, Ling Zhang<sup>a,b</sup>, Yi Liu<sup>a,b</sup>

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References

Shenvi et al., 2013 S. Shenvi, K. Kumar, K.S. Hattj, K. Rjesh, L. Diwakar, G.C. Reddy  
**Synthesis, anticancer and antioxidant activities of 2,4,5-trimethoxy chalcones and analogues from asaronaldehyde: Structure-activity relationship**  
European Journal of Medicinal Chemistry, 62 (2013), pp. 435–442  
<http://dx.doi.org/10.1016/j.ejmech.2013.01.018>

Article | PDF (282 K) | View Record in Scopus | Citing articles (14)

Todorova et al., 2011 I.T. Todorova, D.I. Batovska, B.A. Stamboliyska, S.P. Parushev  
**Evaluation of the radical scavenging activity of a series of synthetic hydroxychalcones towards the DPPH radical**  
Journal of the Serbian Chemical Society, 76 (2011), pp. 491–498 <http://dx.doi.org/10.2298/JSC100617043T>  
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Tomasi et al., 2005 J. Tomasi, B. Mennucci, R. Cammi  
**Quantum mechanical continuum solvation models**  
Chemical Review, 105 (2005), pp. 2999–3094 <http://dx.doi.org/10.1021/cr9904009>  
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# ... an increment of visibility and citation of article

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JOSSEN 71(10)895-1124(2006)  
UDC 54:88 ISSN 0330-6138

Journal of  
the Serbian  
Chemical Society

VOLUME 71  
NO 10  
BELGRADE 2006

All issues

2014 OnLine-First

2014

2013

2012

2011

Volume 76 Issue 12

Volume 76 Issue 11

Volume 76 Issue 10

Journal of the Serbian Chemical Society 2011 Volume 76, Issue 4, Pages: 491-497

doi:10.2298/JSC100517043T

[Full text](#) (199 KB)

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## Evaluation of the radical scavenging activity of a series of synthetic hydroxychalcones towards the DPPH radical

*Todorova Iva T., Batovska Daniela I., Stamboliyska Bistra A., Parushev Stoyan P.*

Sixteen hydroxychalcones were synthesized in sufficient purity by the Claisen-Schmidt condensation between appropriate acetophenones and aryl aldehydes. All the compounds were evaluated for their ability to scavenge the stable free 2,2-diphenyl-1-picrylhydrazyl (DPPH) radical. Important structure-activity relationships were observed that strongly contribute to the knowledge for the design of DPPH radical scavenging chalcones. Relevant theoretical parameters were computed in an attempt to understand and explain the obtained experimental results.

Keywords: hydroxychalcones, 4'-chlorohydroxychalcones, synthesis, radical-scavenging activity, DPPH free radical

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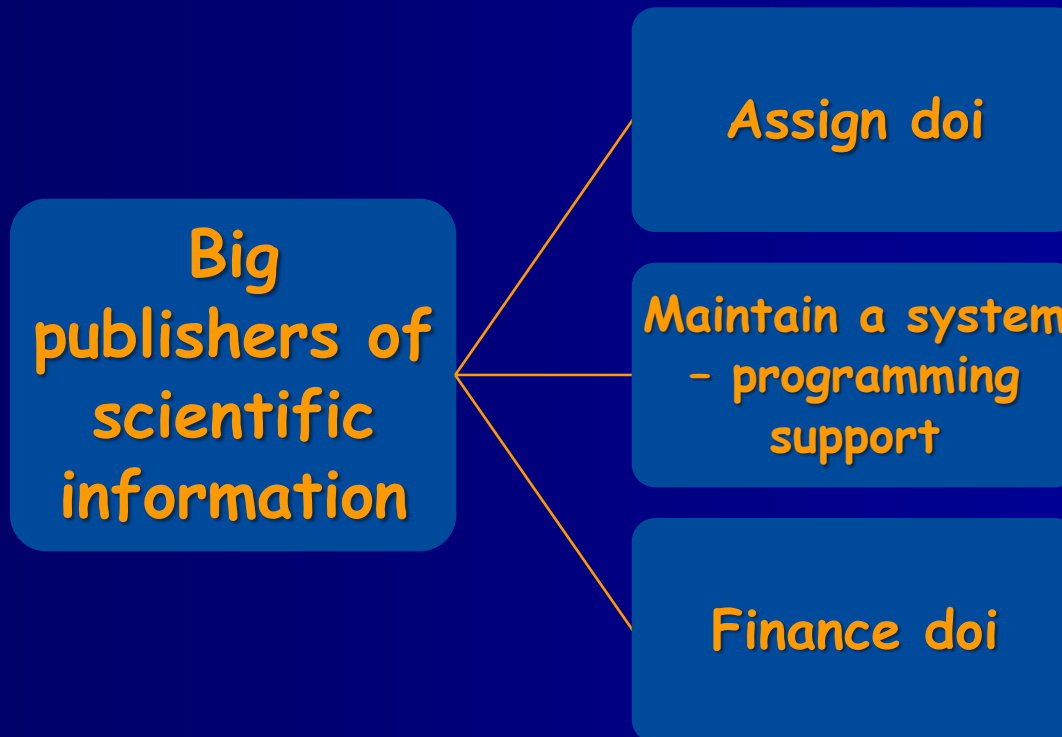
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# Why the National Library of Serbia?

## (global and local perspectives)

### ➤ In the world



# Why the National Library of Serbia?

## (global and local perspectives)

### ➤ Locally

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- volunteer work

The Ministry of Science

Chooses journals

Finances doi

National Library of Serbia

Assigns doi

Maintains a system -  
programming support

# Rights and obligations

The Ministry  
of Science



National  
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Serbia



Publishers

## УГОВОР о успостављању система доделе DOI бројева

### УГОВОРНЕ СТРАНЕ:

1. НАРОДНА БИБЛИОТЕКА СРБИЈЕ  
Београд, Скерлићева 1 (у даљем тексту: Библиотека)
2. УРЕДНИШТВО ЧАСОПИСА  
(у даљем тексту: Издавач)

### Члан 1.

Овим уговором уређују се међусобна права и обавезе Библиотеке и Издавача у вези са доделом DOI (*Digital Object Identifier*) бројева. Основни циљ увођења DOI бројева је повећање видљивости и обезбеђивање приступа научним чланцима из научне периодике објављене у Србији у пуном формату преко Интернета.

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Journal of Agricultural Sciences, Belgrade	Veterinarski glasnik
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JSCSEN 71(10)895-1124(2006)  
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Journal of the Serbian Chemical Society

VOLUME 71  
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Editorial policy  
Instructions for authors  
All issues

- 2019 OnLine-First
- 2018
- 2017
- 2016
- 2015
- 2014
- 2013
- 2012
- 2011

Volume 76 Issue 12  
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Volume 76 Issue 9  
Volume 76 Issue 8  
Volume 76 Issue 7

**Excitatory amino acid beta-N-methylamino-L-alanine is a putative environmental neurotoxin**  
Lopičić Srđan, Stanojević Marija, Dhruva Pathak, Pavlović Dragan, Prostran Milica, Nedeljkov Vladimir  
Journal of the Serbian Chemical Society, 2011 76(4):479-490  
Details **Cross Ref cited by(1)** Full text (174 KB) <https://doi.org/10.2298/JSC100629047L>

**Evaluation of the radical scavenging activity of a series of synthetic hydroxychalcones towards the DPPH radical**  
Todorova Iva T., Batovska Daniela I., Stamboliyska Bistra A., Parushev Stoyan P.  
Journal of the Serbian Chemical Society, 2011 76(4):491-497  
Details **Cross Ref cited by(6)** Full text (199 KB) <https://doi.org/10.2298/JSC100517043T>

**Synthesis of 5-(substituted phenylazo)-6-hydroxy-4-methyl-3-cyano-2-pyridones from ethyl 3-oxo-2-(substituted phenyldiazenyl)butanoates**  
Dostanić Jasmina, Valentić Nataša, Uščumlić Gordana, Mijin Dušan  
Journal of the Serbian Chemical Society, 2011 76(4):499-504  
Details **Cross Ref cited by(5)** Full text (183 KB) <https://doi.org/10.2298/JSC100618044D>

**A study of the antioxidants in *Oxytropis pilosa* (L.) DC.**  
Miladinović Dragoljub, Miladinović Ljiljana, Najman Stevo  
Journal of the Serbian Chemical Society, 2011 76(4):505-512  
Details **Cross Ref cited by(1)** Full text (242 KB) <https://doi.org/10.2298/JSC100701045M>

**Removal of aqueous phenol and phenol derivatives by immobilized potato polyphenol oxidase**  
Lončar Nikola, Božić Nataša, Anđelković Ivan, Milovanović Aleksandra, Dojnov Biljana, Vujčić Miroslava, Roglić Goran, Vujčić Zoran  
Journal of the Serbian Chemical Society, 2011 76(4):513-522  
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**Chemical investigation of the essential oil of *Laggera crispata* (Vahl) Hepper & Wood from India**  
Verma Ram S., Padalia Rajendra C., Chanotiya Chandan S., Chauhan Amit, Yadav Anju  
Journal of the Serbian Chemical Society, 2011 76(4):523-528  
Details **Cross Ref cited by(2)** Full text (168 KB) <https://doi.org/10.2298/JSC100801048V>

**Crystal structure of an oxalate-bridged tetranuclear 8-hydroxyquinoline Zn(II) cluster: [Zn4Q6(Ox)]0.5n**  
Wang Jiajun, Wang Qiang, Sun Yanjun, Wang Yuemei, Zhao Guosheng, Cui Yuncheng  
Journal of the Serbian Chemical Society, 2011 76(4):529-537  
Details **Cross Ref cited by(4)** Full text (337 KB) <https://doi.org/10.2298/JSC100822049W>

**On the relationship between molecular spectroscopy and statistical mechanics: Calculation of partition functions for triatomic molecules undergoing large-amplitude bending vibrations**  
Senčanski Milan V., Radić-Perić Jelena, Perić Miljenko  
Journal of the Serbian Chemical Society, 2011 76(4):539-555

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JSCSEN 71(10890-1104(2006))  
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Editorial policy  
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**Evaluation of the radical scavenging activity of a series of synthetic hydroxychalcones towards the DPPH radical**

*Todorova Iva T., Batovska Daniela I., Stamboliyska Bistra A., Parushev Stoyan P.*

Sixteen hydroxychalcones were synthesized in sufficient purity by the Claisen-Schmidt condensation between appropriate acetophenones and aryl aldehydes. All the compounds were evaluated for their ability to scavenge the stable free 2,2-diphenyl-1-picrylhydrazyl (DPPH) radical. Important structure-activity relationships were observed that strongly contribute to the knowledge for the design of DPPH radical scavenging chalcones. Relevant theoretical parameters were computed in an attempt to understand and explain the obtained experimental results.

Keywords: hydroxychalcones, 4'-chlorohydroxychalcones, synthesis, radical-scavenging activity, DPPH free radical

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# How we implement it?

- **We developed two software/applications:**
  - 1<sup>st</sup> - for parsing data about journal article**
  - 2<sup>nd</sup> - for uploading data to our server and for creating XML schema**

**Next step – uploading XML to CrossRef platform and connecting data**



# Results of the 1<sup>st</sup> step - parsing bibliographic data for all articles in one issue (output in .txt)

```
jas4 - Notepad
File Edit Format View Help
***
CA Journal of Agricultural sciences, Belgrade
CO vol. 63, br. 4, str. 323-334
GO 2018
JE sr
DT original scientific paper
TI Influence of soil type and compaction on maize yield
NA nema
AU Biberdžić Milan O.
AF Faculty of Agriculture, Lešak
AU Barać Saša R.
AF Faculty of Agriculture, Lešak
AU Lalević Dragana N.
AF Faculty of Agriculture, Lešak
AU Stojiljković Jelena V.
AF Agricultural Professional and Extension Service, Leskovac
AU Knežević Branislav P.
AF Faculty of Agriculture, Lešak
AU Beković Dragoljub K.
AF Faculty of Agriculture, Lešak
KW hybrids % FAO maturity group % vertisol % parapodzol % alluvium
KR nema
AB The goal of this paper was to determine the yield of different maize hybrids depending on soil type and compaction. The experiment was carried out in 2016 and 2017 on the territory of the Leskovac municipality, including three different soil types (alluvium, vertisol, and parapodzol). The experiment comprised nine hybrids of different FAO maturity groups (NS 4051, AGR DIAN, ZP 427, NS 5211, ZP 555, AS 534, NS 6030, ZP 666 and Bečar). The highest average yields were achieved on alluvium, then on parapodzol, and the lowest yields were obtained on vertisol. The highest average yields on all examined soil types were achieved in the FAO 500 maturity group, and the lowest in the FAO 400 maturity group. The highest average yield on vertisol was achieved in the FAO 500 maturity group, on parapodzol in the FAO 400 maturity group, and on alluvium in the FAO 600 maturity group. The highest average yield (11.90 t ha-1) was achieved with the ZP 666 hybrid on alluvium, and the lowest (4.60 t ha-1) with the NS 6030 hybrid on vertisol. The largest soil compaction in the ploughing layer was determined in vertisol, then in parapodzol, and the smallest in alluvium. These data on average yields indicate the convenience of certain soil types for maize production, and provide guidelines for growers to select the most yielding hybrids for their fields.
SA nema
*
A nema
***
CA Journal of Agricultural Sciences, Belgrade
CO vol. 63, br. 4, str. 335-342
GO 2018
JE en
DT original scientific paper
TI Effect of soybean seed priming on germination energy
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UDC: 63

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[Editorial policy](#)[Instructions for authors](#)[All issues](#)[2018](#)[Volume 63 Issue 4](#)[Volume 63 Issue 3](#)[Volume 63 Issue 2](#)[Volume 63 Issue 1](#)[2017](#)[2016](#)[2015](#)

### Influence of soil type and compaction on maize yield

Biberdžić Milan O., Barać Saša R., Lalević Dragana N., Stojiljković Jelena V., Knežević Branislav P., Beković Dragoljub K.

Journal of Agricultural Sciences, Belgrade, 2018 63(4):323-334

[Details](#)

### Effect of soybean seed priming on germination energy

Miladinov Zlatica J., Balešević-Tubić Svetlana N., Đukić Vojin H., Ilić Aleksandar D., Čobanović Lazar M., Veselić Jelica R., Merkulov-Popadić Larisa Lj.

Journal of Agricultural Sciences, Belgrade, 2018 63(4):335-342

[Details](#)

### Effects of the environmental characters on germination properties of seeds of *Thymus daenensis* and *T. vulgaris*

Yadegari Mehrab

Journal of Agricultural Sciences, Belgrade, 2018 63(4):343-354

[Details](#)

### Physico-chemical characteristics of pomegranate accessions from the Kurdistan region, Iraq

Mohammad Saadatian, Abdurahman Paiza, Salim Kanar, Younis Pershang, Abdurahman Hewen, Mohammad Silaw

Journal of Agricultural Sciences, Belgrade, 2018 63(4):355-366

[Details](#)

### Assessment of Striga resistance in wild relatives of sorghum under field conditions

Gamar Yasir A., Bakhit Omer A., Murdi Hatim G., Adam Elfadil M.

Journal of Agricultural Sciences, Belgrade, 2018 63(4):367-377

[Details](#)

### Weed biomass and productivity of okra (*Abelmoschus esculentus* (L.) Moench) as influenced by spacing and pendimethalin-based weed management

Imoloame Emmanuel O., Usman Muinat

Journal of Agricultural Sciences, Belgrade, 2018 63(4):379-398

[Details](#)

# Creating Journal Metadata/XML

CrossRefForm

Create Journal Metadata

Journal of Agricultural Sciences, Belgrade

2018

4

Create Issue Metadata

Serbia

ISSN 1450-4109

Journal of Agricultural Sciences, Belgrade 2018 Volume 63, Issue 4, Pages: 343-354  
doi: not yet assigned  
Full text: not yet available

**Effects of the environmental characters on germination properties of seeds of *Thymus daenensis* and *T.vulgaris***

*Yadegari Mehrab*

This research was conducted to investigate the effects of salinity, temperature, pH and sowing depth on germination characters of two species of thyme in 2017. Two separate experiments with four replications using a randomized complete design were conducted in laboratory conditions. Treatments contained: a) fluctuating temperatures in a germinator 5/15,

DOI 2010

DTS PDFUtils **DOIAssign** Import iz SCIndeksa Fix Add new articles Forward Linking DOAJ deposit DOI OAI Records OPUS EDITORIAL POLICY Instructions for Authors

# XML schema – ready for uploading on CrossRef...

```
<?xml version="1.0" encoding="us-ascii"?>
<doi_batch version="4.3.0" xmlns="http://www.crossref.org/schema/4.3.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="http://www.crossref.org/schema/4.3.0 http://www.crossref.org/schema/deposit/crossref4.3.0.xsd">
  <head>
    <doi_batch_id>0025-81052016697-8.20161103</doi_batch_id>
    <timestamp>20161103110609</timestamp>
    <depositor>
      <name>National Library of Serbia</name>
      <email_address>kobson@nb.rs</email_address>
    </depositor>
    <registrant>NLS</registrant>
  </head>
  <body>
    <journal>
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        <full_title>Medical review</full_title>
        <abbrev_title>Med pregled</abbrev_title>
        <abbrev_title>MED PREGLED</abbrev_title>
        <issn_media_type="print">0025-8105</issn>
        <issn_media_type="electronic">1820-7383</issn>
        <coden>MEPEAB</coden>
      </journal_metadata>
      <journal_issue>
        <publication_date media_type="print">
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        </publication_date>
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        </journal_volume>
        <issue>7-8</issue>
      </journal_issue>
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        </titles>
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            <surname>Cabarkapa</surname>
          </person_name>
          <person_name sequence="additional" contributor_role="author">
            <given_name>Mirjana</given_name>
            <surname>Djerić</surname>
          </person_name>
        </contributors>
        <publication_date media_type="print">
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        </publication_date>
        <pages>
          <first_page>197</first_page>
          <last_page>202</last_page>
        </pages>
        <publisher_item />
        <doi_data>
          <doi>10.2298/MPNS1608197C</doi>
          <resource>http://www.doi.org/10.2298/MPNS1608197C</resource>
        </doi_data>
      </journal_article>
    </journal>
  </body>
</doi_batch>
```

# Uploading XML schema on CrossRef



Welcome to Crossref.

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[Submissions](#)

[Queries](#)

[Reports](#)

[Metadata Admin](#)

Please supply a login and a password:

login:

password:





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[Submissions](#)

[Queries](#)

[Reports](#)

[Metadata Admin](#)

- [Logout](#)

### **Submission**

- [Submission administration](#)
- [Upload submissions](#)
- [Show my submission queue](#)



Please enter the file name, area and type of the submission you wish to upload

FileName:  No file selected. 

Type:  Metadata  Query  DOI Query  DOI Resources  Conflict management





# E-mail confirmation from CrossRef

```
<?xml version="1.0" encoding="UTF-8"?>
<doi_batch_diagnostic status="completed" sp="ds4.crossref.org">
  <submission_id>1396988930</submission_id>
  <batch_id>0025-81052016697-8 20161004</batch_id>
  <record_diagnostic status="Success">
    <doi>10.2298/MPNS1608197C</doi>
    <msg>Successfully added</msg>
  </record_diagnostic>
  <batch_data>
    <record_count>10</record_count>
    <success_count>10</success_count>
    <warning_count>0</warning_count>
    <failure_count>0</failure_count>
  </batch_data>
</doi_batch_diagnostic>
```

# How you can implement it?

## - useful links

➤ <http://www.crossref.org/>

### Info for publishers

➤ <https://www.crossref.org/services/content-registration/>

### New Member Application Form

➤ [http://www.crossref.org/join\\_crossref.html](http://www.crossref.org/join_crossref.html)

➤ <https://www.crossref.org/membership/terms/>

➤ <https://www.crossref.org/fees/#annual-membership>  
(\$275 + \$1.00/\$0.15 per assigned doi/quarterly)

### Web Deposit

➤ <https://support.crossref.org/hc/en-us/articles/215654343>

➤ <http://www.crossref.org/webDeposit/>

### Metadata Manager

➤ <https://www.crossref.org/help/metadata-manager/>

### Help

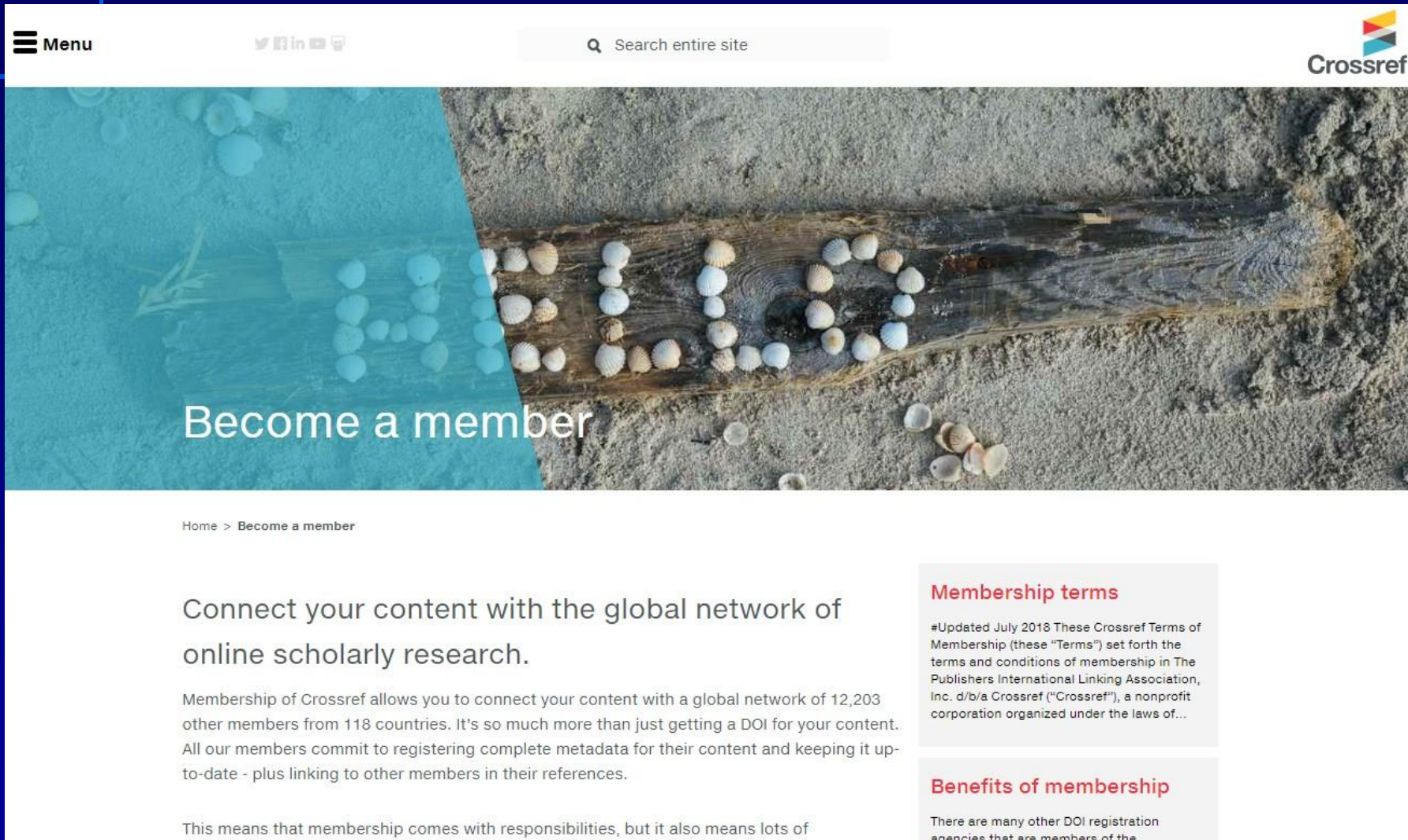
➤ <https://www.crossref.org/help/>

### Videos for new members

➤ <https://www.crossref.org/webinars/#newmember>

# Application to register as a Publisher and get Publisher's prefix

<https://www.crossref.org/membership/>

The image shows a screenshot of the Crossref website's membership page. At the top, there is a navigation bar with a 'Menu' icon, social media icons for Twitter, Facebook, LinkedIn, and YouTube, a search bar labeled 'Search entire site', and the Crossref logo. Below the navigation bar is a large hero image featuring a wooden plank with seashells arranged to form the letters 'CROSSREF'. The text 'Become a member' is overlaid on the left side of the hero image. Below the hero image is a breadcrumb trail: 'Home > Become a member'. The main content area is divided into two columns. The left column contains a large heading 'Connect your content with the global network of online scholarly research.', followed by a paragraph about membership benefits, and a partial paragraph starting with 'This means that membership comes with responsibilities, but it also means lots of'. The right column contains two sections: 'Membership terms' with a paragraph starting '#Updated July 2018 These Crossref Terms of Membership...', and 'Benefits of membership' with a paragraph starting 'There are many other DOI registration agencies that are members of the'.

Menu



Search entire site



## Become a member

Home > Become a member

Connect your content with the global network of online scholarly research.

Membership of Crossref allows you to connect your content with a global network of 12,203 other members from 118 countries. It's so much more than just getting a DOI for your content. All our members commit to registering complete metadata for their content and keeping it up-to-date - plus linking to other members in their references.

This means that membership comes with responsibilities, but it also means lots of

### Membership terms

#Updated July 2018 These Crossref Terms of Membership (these "Terms") set forth the terms and conditions of membership in The Publishers International Linking Association, Inc. d/b/a Crossref ("Crossref"), a nonprofit corporation organized under the laws of...

### Benefits of membership

There are many other DOI registration agencies that are members of the

(the origin party), the Member guarantees that:

- a. the Member collected and processed the data in accordance with applicable law, including the General Data Protection Regulation;
- b. the Member acquired the origin party's informed consent to share the data with Crossref;
- c. the Member acquired the origin party's consent for the data to be transferred to the United States for processing.

The Member further agrees that it will maintain appropriate mechanisms to ensure that it will provide natural person(s) whose personal data it provides to Crossref with a means to have access to, to correct, and to delete such data and understands that the burden is on the Member to communicate such corrections or deletions to Crossref.

Crossref's Privacy Policy is located [here](#).

20. **Compliance.** Each of the Member and Crossref shall perform under this Agreement in compliance with all laws, rules, and regulations of any jurisdiction which is or may be applicable to its business and activities, including anti-corruption, copyright, privacy, and data protection laws, rules, and regulations.

The Member warrants that neither it nor any of its affiliates, officers, directors, employees, or members is (i) a person whose name appears on the list of Specially Designated Nationals and Blocked Persons published by the Office of Foreign Assets Control, U.S. Department of Treasury ("OFAC"), (ii) a department, agency or instrumentality of, or is otherwise controlled by or acting on behalf of, directly or indirectly, any such person; (iii) a department, agency, or instrumentality of the government of a country subject to comprehensive U.S. economic sanctions administered by OFAC; or (iv) is subject to sanctions by the United Nations or the European Union.

**We understand our obligations and accept these terms**

Hello, we have a few questions

What would you like to do?

I want to deposit metadata

I want to retrieve metadata

Next

Continue

To deposit metadata to apply to be a member would allow you to recontent and DOIs, and our board elections. See [membership terms](#) for info.

To retrieve metadata our APIs with service guarantees, review our [metadata-delivery](#) options which also include our interfaces that don't require registration.

What's your first name?

What's your last name?

What's your email address?

What's your postal address?

What country is your organization based in?

next



Some contacts can be used for more than one role

### Who will receive product and service information? (business contact)

First Name

Last Name

Email

### Who will vote in board elections? (voting contact)

Same as business contact?

First Name

Last Name

Email

---

### Who will receive the technical updates? (technical contact)

First Name

Last Name

Email

**After online application you will  
receive contract from CrossRef to sign**

# Register your content – journals, books, dissertations etc.

<https://www.crossref.org/services/content-registration/>

## How to participate




Please see our handy [Get started guide](#) for details.

As this summary shows, the process of registering content and depositing metadata is relatively straightforward:

- Step 1: Each new member receives a DOI prefix and account information.
- Step 2: Members (or agents acting on their behalf) create DOIs by using the assigned prefix and by adding their own unique suffix (Prefix + Suffix = DOI).
- Step 3: Members (or their agents) prepare their deposit by gathering all DOIs, the URLs where the content sits and all metadata associated with the content.
- Step 4: Members (or their agents) deposit their metadata according to the Crossref schema. Our [support site](#) offers sample formatted deposits for all content types.

Once processed, the DOI is live and clickable after the deposit has been processed (usually within minutes) and the metadata is available for use in systems throughout scholarly communications.



# Content Registration guide

<https://www.crossref.org/get-started/content-registration/>

## 1. Construct your identifiers

When you join Crossref as a member you are issued a DOI prefix. Crossref uses the Digital Object Identifier (DOI) to provide persistence for our members' metadata records. A DOI is a widely adapted [identifier](#) system that provides alpha-numeric identifiers that can be turned into a URL.

Your DOI prefix is unique to your organization, and allows you to create identifiers that are also unique to your organization. We give you your DOI prefix but you as the member must come up with a suffix pattern that works for your organization.

A DOI suffix follows the '/' in a DOI. The specific pattern is up to you but we advise that you keep it consistent, short, and simple. Your DOI suffix can be any alphanumeric string. Limited punctuation is allowed, the approved character set for DOI suffixes is: "a-z", "A-Z", "0-9" and "-\_./():". In the examples below, the Crossref-issued DOI prefix is 10.5555, everything after the '/' is the DOI suffix:

DOI	suffix note
10.5555/1.125173	Sequential numbers
10.5555/cm960127g	Internal identifier
10.5555/S0002-9939-00-05422-8	Persistent identifier (PII)

Everything submitted to the Crossref system is Crossref-formatted XML. Many members generate their own XML using our [deposit schema](#) (or have a vendor do it for them) but we also have two ways to do this manually if you aren't able to generate XML.

- Via our [Metadata Manager tool](#)—initially for journals—supports both single and multiple journal deposits, allows multiple formats and deposit sizes, automatically validates the format of certain metadata elements, and processes your deposits immediately, in real time.
- Via our [web deposit form](#)—for all other content types—accepts manually entered information as well as JATS-formatted XML files.

the form uploads your registration files for you. Submissions are usually processed quickly so schedule your submissions accordingly.

## 4. Verify

All XML submitted to us must be valid to be processed, and we do some additional checking to make sure your submissions meet our standards. It's important to address errors quickly to ensure your published links work and your metadata gets where it needs to go. You should [review your submission logs](#) to make sure your submissions are processed successfully. Submission logs are emailed to the address you include in your registration XML or enter in the web form.

## 5. Maintain your records

If your content moves, [update your URLs](#). If you need to make minor corrections to your metadata, you can do that too. You can also add other metadata if you want to collect and distribute funding data, license information, and other metadata about your content.



# Creating/depositing metadata

Two options:

1. **You have software** for parsing data and creating XML schema (or OJS or use CrossRef sample XML schema)– you will directly upload XML schema to CrossRef portal (Scenario 1)

2. **You don't have software** for parsing data and creating XML schema - you can manually upload data and Dois to CrossRef using Metadata Manager tool or Web deposit option on CrossRef's portal (Scenario 2)

# Scenario 1 – direct uploading XML shcema on CrossRef portal

```
<?xml version="1.0" encoding="us-ascii"?>
<doi_batch version="4.3.0" xmlns="http://www.crossref.org/schema/4.3.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="http://www.crossref.org/schema/4.3.0 http://www.crossref.org/schema/deposit/crossref4.3.0.xsd">
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      <email_address>kobson@nb.rs</email_address>
    </depositor>
    <registrant>NLS</registrant>
  </head>
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        <abbrev_title>MED PREGLED</abbrev_title>
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        <issn media_type="electronic">1820-7383</issn>
        <coden>MEPEAB</coden>
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        </publication_date>
        <journal_volume>
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        </journal_volume>
        <issue>7-8</issue>
      </journal_issue>
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            <surname>Cabarkapa</surname>
          </person_name>
          <person_name sequence="additional" contributor_role="author">
            <given_name>Mirjana</given_name>
            <surname>Djerić</surname>
          </person_name>
        </contributors>
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        </publication_date>
        <pages>
          <first_page>197</first_page>
          <last_page>202</last_page>
        </pages>
        <publisher_item />
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          <doi>10.2298/MPNS1608197C</doi>
          <resource>http://www.doi.org/10.2298/MPNS1608197C</resource>
        </doi_data>
      </journal_article>
    </journal>
  </body>
</doi_batch>
```



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Please supply a login and a password:

login:

password:



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[Metadata Admin](#)

- [Logout](#)

### **Submission**

- [Submission administration](#)
- [Upload submissions](#)
- [Show my submission queue](#)

[Home](#)[Users](#)[Submissions](#)[Queries](#)[Reports](#)[Metadata Admin](#)[Administration](#)[Upload](#)[Show System Queue](#)[System Control](#)[Fundref Registry Control](#)

Please enter the file name, area and type of the submission you wish to upload

FileName:  No file selected.

Type:  Metadata  Query  DOI Query  DOI Resources  Conflict management

# E-mail confirmation from CrossRef

- <?xml version="1.0" encoding="UTF-8"?>
- <doi\_batch\_diagnostic status="completed" sp="ds4.crossref.org">
- <submission\_id>1396988930</submission\_id>
- <batch\_id>0025-81052016697-8.20161004</batch\_id>
- <record\_diagnostic status="Success">
- <doi>10.2298/MPNS1608197C</doi>
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- </record\_diagnostic>
- <batch\_data>
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- <success\_count>10</success\_count>
- <warning\_count>0</warning\_count>
- <failure\_count>0</failure\_count>
- </batch\_data>
- </doi\_batch\_diagnostic>



# Registering journal articles?

Try Metadata Manager, now in Beta

These forms allow you to enter metadata and register DOIs. Review the [help documentation](#) for details.

**Note: Your Crossref username and password will be required at the end of this process to submit data to the system. Please insure your browser allows JavaScript so that the data validation will function.**

Step 1: Select Data Type

#### Data Type Selection

Select Data Type:  Journal  Book  Conference Proceedings  Report  Dissertation  CrossMark Policy page  
 NLM File **BETA**  Supplemental-Metadata Upload **BETA**

Step 2: Identify the Journal

#### Journal information

Title   
Abbr.   
Journal DOI+   
Journal URL   
Print ISSN  Elect ISSN  Journal DOI and/or ISSN required  
Volume  Issue   
Issue DOI   
Issue URL

#### Publication dates

*note: use numerical values (YYYY, MM, DD)*

##### Type: print

\*Year  Month:  Day:

##### Type: online

\*Year  Month:  Day:

\* a minimum of one publication year is required

+ complete Title, Abbr., Journal DOI/URL and/or ISSN fields for title-level Journal deposit

-----

# Scenario 2 - Web deposit or Metadata Manager

[https://www.  
crossref.org/  
webDeposit/](https://www.crossref.org/webDeposit/)

# To summarize

## You need to:

- Register and get prefix
- Sign the contract
- Register your content
- Create DOI (Prefix + Suffix)
- Create Metadata and XML schema (automatically or manually)
- Deposit XML on CrossRef platform



**Thank you for your  
attention 😊**

**[www.doiserbia.nb.rs](http://www.doiserbia.nb.rs)**

**doiSerbia**

**[www.doiserbia.nb.rs/phd/](http://www.doiserbia.nb.rs/phd/)**

