



DODATNE APLIKCIJE

## Authors

Authority Key	Name Variants
orcid::0000-0002-7381-756X	• Soković, Marina (198)
orcid::0000-0001-6823-1137	• Glamočlija, Jasmina (133)
orcid::0000-0002-5555-7266	• Milošević, Verica (131)
orcid::0000-0002-9845-3299	• Stošić-Grujičić, Stanislava (130)
orcid::0000-0002-1980-7029	• Saičić, Zorica (121)
orcid::0000-0002-9478-5448	• Čirić, Ana (111)
orcid::0000-0002-5613-9306	• Miljković, Đorđe (102)
orcid::0000-0002-6432-1191	• Paunović, Momir (105)
orcid::0000-0002-8006-5079	• Maksimović-Ivanić, Danijela (100)
orcid::0000-0001-9509-9098	• Mijatović, Sanja (91)
orcid::0000-0001-9046-0139	• Spasić, Mihajlo (89)
orcid::0000-0001-6338-2833	• Blagojević, Duško (78)
orcid::0000-0002-6540-9603	• Ajdžanović, Vladimir (73)
orcid::0000-0002-2899-7418	• Perić Mataruga, Vesna (72)
orcid::0000-0002-8097-1186	• Mihailović, Mirjana (72)
orcid::0000-0001-6378-1930	• Šosić-Jurjević, Branka (1) • Šošić-Jurjević, Branka (69)
orcid::0000-0002-0142-1056	• Matić, Gordana (66)
orcid::0000-0002-5651-7178	• Pavlović, Slađan (66)
orcid::0000-0002-7026-9385	• Lazarević, Jelica (64)

## APP – Autori, projekti, publikacije

Eksterna aplikacija koja sadrži elemente CRIS-a i nudi rešenje za probleme koji u DSpace-u nisu rešeni na zadovoljavajući način.

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## Soković, Marina

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Authority Key	Name Variants
orcid:0000-0002-7381-756X	• Soković, Marina (198)

### Projects

search... ← 1 / 105 →

Characterization and application of fungal metabolites and assessment of new biofungicides potential Foundation for Science and Technology (FCT, Portugal)

Natural products of wild, cultivated and edible plants: structure and bioactivity determination Foundation for Science and Techno and FEDER under Programme PT2

Biotechnology in vitro - crop, medicinal and endangered plant species Study of structure-function relations wall and modifications of the wall str engineering

Investigation on the medicinal plants: morphological, chemical and pharmacological characterisation Micromorphological, phytochemical investigations of plants - systematic applicative aspects

Biological response modifiers in physiological and pathological conditions CONACyT (No. 329930)

FEDER under Programme PT2020 Foundation for Science and Techno and FEDER under Programme PT2 support to CIMO (UID/AGR/00690/2

The membranes as sites of interaction between the intracellular and apoplasmic environments: studies of the bioenergetics and signaling using biophysical and biochemical techniques. Pharmacodynamic and pharmacoge drugs in the treatment of solid tumo

Zero- to Three-Dimensional Nanostructures for Application in Electronics and Renewable Energy Sources: Synthesis, Characterization and Processing Synthesis, processing and characte nanostructured materials for applica energy, mechanical engineering, en and biomedicine

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m21 (24)

m22 (15)

m21a (12)

m23 (8)

m13 (2)

m14 (1)

# Autori

## Author's Bibliography

RIS BibTeX

← 1 / 198 →

### Exploiting the bioactive properties of $\gamma$ -oryzanol from bran of different exotic rice varieties.

Castanho, Ana; Lageiro, Manuela; Calhela, Ricardo C.; Ferreira, Isabel C. F. R.; Soković, Marina; Cunha, Luís M.; Brites, Carla

(2019)

RIS BibTeX



### Terpene core in selected aromatic and edible plants: Natural health improving agents

Petrović, Jovana; Stojković, Dejan; Soković, Marina

(2019)

RIS

### Synthesis, antimicrobial activity and quantum chemical investigation of novel succinimide derivatives

Petković Cvetković, Jelena; Božić, Bojan Đ.; Banjac, Nebojša R.; Petrović, Jovana; Soković, Marina; Vitnik, Vesna D.; Vitnik, Željko J.; Ušćumlić, Gordana S.; Valentić, Nataša V.

(2019)

Publikacije se mogu sortirati po različitim kriterijumima, njihov izbor se može ograničiti na određeni tip, verziju, godinu i kategoriju.

Omogućeno je preuzimanje metapodataka za pojedinačne publikacije i čitave liste u BibTeX i RIS formatu.

## Author's Bibliography

RIS BibTeX

← 1 / 198 →

Exploiting the bioactive properties of  $\gamma$ -oryzanol from bran of different exotic rice varieties.

Castanho, Ana; Lageiro, Manuela; Calhelha, Ricardo C.; Ferreira, Isabel C. F. R.; Soković, Marina; Cunha, Luís M.; Brites, Carla

(2019)



RIS BibTeX

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@article{
  author = {Castanho Ana,Lageiro Manuela,Calhelha Ricardo C.,Ferreir
  year = {2019},
  url = {http://xlink.rsc.org/?DOI=C8F002596G, http://ibiss-r.rcub.b
  journal = {Food and Function, Food and Function},
  title = {Exploiting the bioactive properties of  $\gamma$ -oryzanol from br
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  pages = {2382-2389}
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Terpene core in selected aromatic and edible plants: Natural health improva  
agents

Petrović, Jovana; Stojković, Dejan; Soković, Marina

(2019)

Synthesis, antimicrobial activity and quantum chemical investigation of novel

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## Projects

Project ID	Project Title
<a href="#">info:eu-repo/grantAgreement/MESTD/Basic Research (BR or ON)/173032/RS//</a>	Characterization and application of fungal metabolites and assessment of new biofungicides potential
<a href="#">info:eu-repo/grantAgreement/MESTD/Basic Research (BR or ON)/173013/RS//</a>	Molecular mechanisms of physiological and pharmacological control of inflammation and cancer
<a href="#">info:eu-repo/grantAgreement/MESTD/Basic Research (BR or ON)/173020/RS//</a>	Signaling molecules in diabetes: search for potential targets in intrinsic pathways for prediction and intervention in diabetes
<a href="#">info:eu-repo/grantAgreement/MESTD/Basic Research (BR or ON)/173025/RS//</a>	Evolution in Heterogeneous Environments: Adaptation Mechanisms, Biomonitoring and Conservation of Biodiversity
<a href="#">info:eu-repo/grantAgreement/MESTD/Basic Research (BR or ON)/173018/RS//</a>	Ecophysiological adaptive strategies of plants in conditions of multiple stress
<a href="#">info:eu-repo/grantAgreement/MESTD/Basic Research (BR or ON)/173009/RS//</a>	The effects of select plant extracts, phytoestrogens, steroid and peptide hormones on the rat neuroendocrine system
<a href="#">info:eu-repo/grantAgreement/EC/FP7 /603629/EU//</a>	Managing the effects of multiple stressors on aquatic ecosystems under water scarcity
<a href="#">info:eu-repo/grantAgreement/MESTD/Basic Research (BR or ON)/173043/RS//</a>	Diversity of the amphibians and reptiles on the Balkan Peninsula: evolutionary and conservation aspects
<a href="#">info:eu-repo/grantAgreement/MESTD/Basic Research (BR or ON)/173041/RS//</a>	Molecular and physiological biomonitoring of aerobic organisms based on the determination of biochemical biomarkers of oxidative stress
<a href="#">info:eu-repo/grantAgreement/MESTD/Basic Research (BR or ON)/173015/RS//</a>	Biotechnology in vitro - crop, medicinal and endangered plant species
<a href="#">info:eu-repo/grantAgreement/MESTD /Integrated and Interdisciplinary Research (IIR</a>	Identification of predictive molecular markers for cancer progression,

## Projekti

Pregled projekata i publikacija koje su njihov rezultat.

Na listama se prikazuje samo ono što je uneseno u repozitorijum.

Ako prilikom deponovanja publikacije nije unesen podatak o projektu, publikacija se neće pojaviti na odgovarajućem spisku.

# Characterization and application of fungal metabolites and assessment of new biofungicides potential

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info:eu-repo/grantAgreement/MESTD/Basic Research (BR or ON)/173032/RS//

Characterization and application of fungal metabolites and assessment of new biofungicides potential (en)

Karakterizacija i primena metabolita gljiva i utvrđivanje potencija (sr)

Karakterizacija i primena metabolita gljiva i utvrđivanje potencijala novih bio

## Authors

search...

Soković, Marina	Čirić, Ana	Glamočlija, Ja
Barros, Lillian	Ferreira, Isabel C.F.R.	Ferreira, Isab
Smiljković, Marija	Petrović, Jovana	Calhelha, Ric
Fernandes, Ângela	Nikolić, Miloš	Stojković, Dej
Colaudo, Nelson Barros	Gazim, Zilda Cristiani	Garcia-Caste
Mocan, Andrei	Spasojević, Dragica	Zmejkoski, De
Gonçalves, José Eduardo	Linde, Giani Andrea	Meigar, Brunc
Rodríguez-Lopez, Antonio D.	Niketić, Marjan S	Dias, Maria in
Radotić, Ksenija	Pereira, Eliana	Krstić Milošev
Stojković, Dejan	Attimarad, Mahesh	Tusevski, Oliv

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m21 (14)
m22 (10)
m23 (9)
m21a (7)
m13 (1)

## Publications

RIS BibTeX

← 1 / 51 →

### Exploring the chemical and bioactive properties of *Hibiscus sabdariffa* L. calyces from Guinea-Bissau (West Africa).

Jabeur, Inès; Pereira, Eliana; Caleja, Cristina; Calhelha, Ricardo C.; Soković, Marina; Catarino, Luís; Barros, Lillian; Ferreira, Isabel C. F. R.

(2019)

RIS BibTeX



### Bioactivities, chemical composition and nutritional value of *Cynara cardunculus* L. seeds

Petropoulos, Spyridon; Fernandes, Ângela; Pereira, Carla; Tzortzakos, Nikos; Vaz, Josiana; Soković, Marina; Barros, Lillian; Ferreira, Isabel C.F.R.

(2019)

RIS BibTeX

### Synthesis, antimicrobial activity and quantum chemical investigation of novel succinimide derivatives

Petković Cvetković, Jelena; Božić, Bojan Đ.; Banjac, Nebojša R.; Petrović, Jovana; Soković, Marina; Vitnik, Vesna D.; Vitnik, Željko J.; Ušćumlić, Gordana S.; Valentić, Nataša V.

(2019)

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2019 (8)
2016 (4)
2015 (2)

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doctoralThesis (2)
Book Section (1)

dc.type.version
publishedVersion (42)
acceptedVersion (9)

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## Publications (Altmetric Leaderboard)

1 / 382

## 3K3A-activated protein C blocks amyloidogenic BACE1 pathway and improves functional outcome in mice.

Lazić, Divna; Sagare, Abhay P; Nikolakopoulou, Angeliki M; Griffin, John H; Vassar, Robert; Zloković, Berislav V

(2019)



## Pericyte degeneration causes white matter dysfunction in the mouse central nervous system.

Montagne, Axel; Nikolakopoulou, Angeliki M; Zhao, Zhen; Sagare, Abhay P; Si, Gabriel; Lazić, Divna; Barnes, Samuel R; Daianu, Madelaine; Ramanathan, Anita; Go, Ariel; Lawson, Erica J; Wang, Yaoming; Mack, William J; Thompson, Paul M; Schneider, Julie A; Varkey, Jobin; Langen, Ralf; Mullins, Eric; Jacobs, Russell E; Zloković, Berislav V

(2018)



## Conservation status of freshwater mussels in Europe: state of the art and future challenges.

Lopes-Lima, Manuel; Sousa, Ronaldo; Geist, Juergen; Aldridge, David C; Araujo, Rafael; Bergengren, Jakob; Bespalaya, Yulia; Bódis, Erika; Burlakova, Lyubov; Van Damme, Dirk; Douda, Karel; Froufe, Elsa; Georgiev, Dillan; Gumpinger, Clemens; Karatayev, Alexander; Kebaççi, Ümit; Killen, Ian; Lajtner, Jasna; Larsen, Bjørn M; Lauceri, Rosaria; Legakis, Anastasios; Lois, Sabela; Lundberg, Stefan; Moorkens, Evelyn; Motte, Gregory; Nagei, Kari-Otto; Ondina, Paz; Outeiro, Adolfo; Paunović, Momir; Prié, Vincent; von Proschwitz, Ted; Riccardi, Nicoletta; Rudzile, Mudite; Rudzitis, Māris; Scheder, Christian; Seddon, Mary; Şereflişan, Hülya; Simić, Vladica; Sokolova, Svetlana; Stoeckl, Katharina; Taskinen, Jouni; Teixeira, Amílcar; Thiele, Frank; Trichkova, Teodora; Varandas, Simone; Vicentini, Heinrich; Zajac, Katarzyna; Zajac, Tadeusz; Zogaris, Stamatis

(2017)



## Publikacije

## 3K3A-activated protein C blocks amyloidogenic BACE1 pathway and improves functional outcome in mice.

2019

## Authors:

Lazić, Divna  
Sagare, Abhay P  
Nikolakopoulou, Angeliki M  
Griffin, John H  
Vassar, Robert  
Zloković, Berislav V

## Document Type:

Article (Published version)



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## Abstract:

3K3A-activated protein C (APC), a cell-signaling analogue of endogenous blood serine protease APC, exerts vasculoprotective, neuroprotective, and anti-inflammatory activities in rodent models of stroke, brain injury, and neurodegenerative disorders. 3K3A-APC is currently in development as a neuroprotectant in patients with ischemic stroke. Here, we report that 3K3A-APC inhibits BACE1 amyloidogenic pathway in a mouse model of Alzheimer's disease (AD). We show that a 4-mo daily treatment of 3-mo-old 5XFAD mice with murine recombinant 3K3A-APC (100 µg/kg/d i.p.) prevents development of parenchymal and cerebrovascular amyloid-β (Aβ) deposits by 40-50%, which is mediated through NFκB-dependent transcriptional inhibition of BACE1, resulting in blockade of Aβ generation in neurons overexpressing human Aβ-precursor protein. Consistent with reduced Aβ deposition, 3K3A-APC normalized hippocampus-dependent behavioral deficits and cerebral blood flow responses, improved cerebrovascular integrity, and diminished neuroinflammatory responses. Our data suggest that 3K3A-APC holds potential as an effective anti-Aβ prevention therapy for early-stage AD.

## Source:

The Journal of Experimental Medicine, 2019, 216, 2, 279-293

## Projects:

- National Institute of Health
- National Institute of Health

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