



Erna Karalija

Datum rođenja: 19/04/1984 | **Državljanstvo:** bosansko-hercegovačko |

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<https://twitter.com/ernakaralija?lang=en> | **LinkedIn:**

<https://www.linkedin.com/in/erna-karalija-92160a56/> |

Adresa: Zmaja od Bosne 33-35; 71 000 Sarajevo, Bosna i Hercegovina, 71000, Sarajevo, Bosna i Hercegovina (Službena)

O meni: Google scholar: <https://scholar.google.com/citations?user=byXEfvkAAAAJ&hl=en> ORCID: <https://orcid.org/0000-0001-7262-0645>

RADNO ISKUSTVO

01/07/2022 – TRENUTAČNO Sarajevo, Bosna i Hercegovina

REDOVNI PROFESOR PRIRODNO-MATEMATIČKI FAKULTET, UNIVERZITET U SARAJEVU

Predavanja: Regulacija razvića biljaka; Molekularna biologija biljaka, Alelopatija i alelopatski spojevi, Biljne interakcije i životne adaptacije, Metabolizam biljne ćelije, Transformacija genetički modifikovanih biljaka

Vježbe: Regulacija razvića biljaka, Opća fiziologija biljaka, Kultura ćelija i tkiva, Kultura biljnih ćelija i tkiva, Biohemija biljaka

05/12/2018 – 30/06/2022 Sarajevo, Bosna i Hercegovina

VANREDNI PROFESOR UNIVERZITET U SARAJEVU, PRIRODNO-MATEMATIČKI FAKULTET

Predavanja: Regulacija razvića biljaka; Molekularna biologija biljaka, Alelopatija i alelopatski spojevi, Biljne interakcije i životne adaptacije, Metabolizam biljne ćelije, Transformacija genetički modifikovanih biljaka

Vježbe: Regulacija razvića biljaka, Opća fiziologija biljaka, Kultura ćelija i tkiva, Kultura biljnih ćelija i tkiva, Biohemija biljaka

31/08/2015 – 05/12/2018 Sarajevo, Bosna i Hercegovina

DOCENT UNIVERZITET U SARAJEVU, PRIRODNO-MATEMATIČKI FAKULTET

Predavanja: Regulacija razvića biljaka; Molekularna biologija biljaka, Alelopatija i alelopatski spojevi, Biljne interakcije i životne adaptacije, Metabolizam biljne ćelije, Transformacija genetički modifikovanih biljaka

Vježbe: Regulacija razvića biljaka, Opća fiziologija biljaka, Kultura ćelija i tkiva, Kultura biljnih ćelija i tkiva, Biohemija biljaka

31/08/2008 – 31/08/2018 Sarajevo, Bosna i Hercegovina

SPOLJNI SARADNIK FARMACEUTSKI FAKULTET, UNIVERZITET U SARAJEVU

Vježbe: Fiziologija biljaka

31/08/2013 – 31/08/2017 Sarajevo, Bosna i Hercegovina

SPOLJNI SARADNIK ŠUMARSKI FAKULTET, UNIVERZITET U SARAJEVU

Vježbe: Fiziologija drveća, Fiziologija hortikulturnih biljaka, Kultura in vitro

31/12/2011 – 31/08/2015 Sarajevo, Bosna i Hercegovina

VIŠI ASISTENT PRIRODNO-MATEMATIČKI FAKULTET, UNIVERZITET U SARAJEVU

Vježbe: Opća fiziologija biljaka, Biohemija biljaka, Kultura biljnih ćelija i tkiva, Regulacija razvića biljaka, Fiziologija ćelije



31/08/2008 – 30/12/2011 Sarajevo, Bosna i Hercegovina

ASISTENT PRIRODNO-MATEMATIČKI FAKULTET, UNIVERZITET U SARAJEVU

● **OBRAZOVANJE I OSPOSOBLJAVANJE**

2010 – 2015 Sarajevo, Bosna i Hercegovina

DOKTOR BIOLOŠKIH NAUKA Univerzitet u Sarajevu; Prirodno-matematički fakultet

Adresa Zmaja od Bosne 33-35, Sarajevo, Bosna i Hercegovina

2006 – 2011 Sarajevo, Bosna i Hercegovina

MAGISTAR BIOLOŠKIH NAUKA Univerzitet u Sarajevu; Prirodno-matematički fakultet, Sarajevo

Adresa Zmaja od Bosne 33-35, Sarajevo, Bosna i Hercegovina

2002 – 2007 Sarajevo, Bosna i Hercegovina

DIPLOMIRANI BIOLOG Univerzitet u Sarajevu; Prirodno-matematički fakultet, Sarajevo

Adresa Zmaja od Bosne 33-35, Sarajevo, Bosna i Hercegovina

● **JEZIČNE VJEŠTINE**

Materinski jezik/jezici: **BOSANSKI/HRVATSKI/SRPSKI**

Drugi jezici:

	RAZUMIJEVANJE		GOVOR		PISANJE
	Slušanje	Čitanje	Govorna produkcija	Govorna interakcija	
ENGLESKI	C2	C2	C2	C2	C1
NJEMAČKI	C2	C2	C1	C1	C1
ITALIJANSKI	B2	B2	B1	B1	B1

Razine: A1 i A2: temeljni korisnik; B1 i B2: samostalni korisnik; C1 i C2: iskusni korisnik

● **DODATNE INFORMACIJE**

VJEŠTINE UPRAVLJANJA I RUKOVOĐENJA

Voditelj postdiplomskog studija Od 2015 voditelj Postdiplomskog studija Odsjeka za biologiju, Prirodno-matematički fakultet, Univerzitet u Sarajevu

Projekt menadžer RRING projekat (H2020)

Poveznica <https://rring.eu/>

Projekt menadžer GRRIP projekat (H2020)

Poveznica <https://grip.eu/>

Voditelj master studija Od 2015 Voditelj master studija Odsjeka za biologiju, Prirodno-matematički fakultet, Univerzitet u Sarajevu

POČASTI I NAGRADE

2019

World Science Forum; Hungary – IAP



2018

Biochemical Society General Travel Grant – Biochemical Society, UK

2017

World Science Forum; Jordan – IAP

2016

Dodjela namjenskih sredstava za objavu naučnog rada – Ministarstvo za obrazovanje, nauku i mlade Kantona Sarajevo

2014

Biochemical Society General Travel Grant – Biochemical Society, UK

2014

Dodjela namjenskih sredstava za objavu naučnog rada – Ministarstvo za obrazovanje, nauku i mlade Kantona Sarajevo

2012

FEBS stipendija Young Scientist Program – FEBS

2012

FESPB Student Travel Grant – FESPB

PROJEKTI

2019 – TRENUTAČNO

Epigenetic mechanisms of Crop Adaptation To Climate Change (EPI-CATCH)

Učesnik

Finansijer: COST Action

2018 – TRENUTAČNO

Multiple Use of Space for Island Clean Autonomy (MUSICA) Član istraživačkog tima (WP6 & WP9) i voditelj T6.2. unutar WP6 ispred ICORSA

Finansijer: HORIZON 2020 projekat finansiran od strane Evropske Unije

Poveznica <https://musica-project.eu/>

2019 – 2021

Priprema prijedloga projekta za Horizon 2020 iz programa ERC – Strating grant Voditelj projekta

Finansijer: Ministarstvo Civilnih poslova

2018 – 2021

Povećanje stepena akumulacije teških metala kod odabranih hiperakumulatorskih biljnih vrsta metodom prajminga Voditelj projekta

Finansijer: Ministarstvo za obrazovanje, nauku i mlade Kantona Sarajevo

2018 – TRENUTAČNO

Grounding RRI Practices in Research Performing Organisations (GRRIP) Član istraživačkog tima i voditelj

T4.1. unutar WP4 ispred ICORSA

Projekt menadžer (mart 2020 – april 2021)

Finansijer: HORIZON 2020 projekat finansiran od strane Evropske Unije

Poveznica <https://grip.eu/>

2020 – TRENUTAČNO

PIXE and MeV SIMS analysis for mapping mineral elements distribution in hyperaccumulating plants

Voditelj projekta/Istraživač

Finansijer: International Atomic Energy Agency (IAEA)

2016 – 2018

Adaptacija i modernizacija Laboratorije za Fiziologiju biljaka Voditelj projekta

Finansijer: Ministarstvo civilnih poslova

2015 – 2017

Evaluation and promotion of endemic plant life of Sarajevo region through research excursions Voditelj projekta

Finansijer: Rufford Small Grants for Nature Conservation

2015 – 2020

Modifying plants to produce interfering RNA MC Member

Finansijer: Cost Action

2014 – 2016

Antimikrobnna i imunomodulatorna aktivnost odabranih biljnih vrsta sa prostora Bosne i

Hercegovine: mogućnosti i perspektive. Učesnik ekspert

Finansijer: Ministarstvo civilnih poslova

2013 – 2015

Distribution and populations assessment of endemic taxa from genus Knautia of Sarajevo's region as a basis for conservation strategies Voditelj projekta

Finansijer: Rufford Small Grants for Nature Conservation

2012 – 2014

Genofond conservation of endemic and endangered plant species from Mt. Ozren through establishment of the seed bank Voditelj projekta

Finansijer: Rufford Small Grants for Nature Conservation

MREŽE I ČLANSTVA

2011 – TRENUTAČNO UK

Biochemical Society

2016 – TRENUTAČNO Ireland

International Consortium of Research Staff Associations, ICoRSA Treasury and Director

Poveznica <https://icorsa.org/directors-and-executive-committee-2020/>

2017 – TRENUTAČNO UK

The framework for Medicine and Nature

2017 – TRENUTAČNO Internacionalna

EcR NoN Vice Chair

DRUŠTVENE I POLITIČKE AKTIVNOSTI

2015 – 2017

Western Balkan Research Foundation Član ekspertne grupe za Western Balkans Process kreiranje mehanizma za finansiranje mladih naučnika

2015 – TRENUTAČNO

Predstavnik mladih za Western Balkans Process 2nd Joint Science Conference in Vienna and 3rd Joint Science Conference in Paris

2014 – TRENUTAČNO

Nacionalni koordinator za „Fascination of Plants Day“

ORGANIZACIJSKE VJEŠTINE

RRING COMMUNITY WORKSHOPS Organizator

Poveznica <https://rring.eu/all-events-page/>

Virtual Summit on the Future of Socially Responsible Research & Innovation - RRING Closing event Organizator

Poveznica <https://www.eventbrite.co.uk/e/virtual-summit-on-the-future-of-socially-responsible-research-innovation-registration-147957718519>

RRING AGM Organizacija virtualnog Annual General Meetinga unutar projekta RRING

GRRIP AGM Organizacija virtualnog Annual General Meetinga unutar projekta GRRIP



PUBLIKACIJE

Phytoremediation of Cadmium Polluted Soils: Current Status and Approaches for Enhancing – 2022

Mirel Subašić, Dunja Šamec, Alisa Selović, Erna Karalija

Beneficial Microbes and Molecules for Mitigation of Soil Salinity in Brassica Species: A Review – 2022

Ines Petrić, Dunja Šamec, Erna Karalija, Branka Salopek-Sondi

Exploring New Sources of Bioactive Phenolic Compounds from Western Balkan Mountains – 2022

Erna Karalija, Sabina Dahija, Arnela Demir, Renata Bešta-Gajević, Sanja Ćavar Zeljković, Petr Tarkowski

Influence of Climate-Related Environmental Stresses on Economically Important Essential Oils of Mediterranean Salvia sp.

– 2022

Erna Karalija, Sabina Dahija, Petr Tarkowski, Sanja Ćavar Zeljković

Biflavonoids: Important Contributions to the Health Benefits of Ginkgo (Ginkgo biloba L.) – 2022

Dunja Šamec, Erna Karalija, Sabina Dahija, Sherif TS Hassan

Chickpeas' Tolerance of Drought and Heat: Current Knowledge and Next Steps – 2022

Erna Karalija, Chiara Vergata, Marcos Fernando Basso, Miriam Negussu, Michele Zaccai, Maria Fatima Grossi-de-Sa, Federico Martinelli

Interplay of plastic pollution with algae and plants: hidden danger or a blessing? – 2022

Erna Karalija, María Carbó, Andrea Coppi, Ilaria Colzi, Marco Dainelli, Mateo Gasparovic, Tine Grebenc, Cristina Gonnelli, Vassilis Papadakis, Selma Pilic, Nataša Šibanc, Luis Valledor, Anna Poma, Federico Martinelli

Thinking for the future: Phytoextraction of cadmium using primed plants for sustainable soil clean-up

– 2022

Erna Karalija, Alisa Selović, Renata Bešta-Gajević, Dunja Šamec

The role of polyphenols in abiotic stress response: The influence of molecular structure – 2021

Dunja Šamec; Erna Karalija; Ivana Šola; Valerija Vujičić Bok; Branka Salopek-Sondi

Influence of Extraction Solvent on the Phenolic Profile and Bioactivity of Two Achillea Species – 2021

Dominika Kaczorová; Erna Karalija; Sabina Dahija; Renata Bešta-Gajević; Adisa Parić; Sanja Ćavar Zeljković

Use of seed priming to improve Cd accumulation and tolerance in Silene sendtneri, novel Cd hyper-accumulator

– 2021

Erna Karalija; Alisa Selović; Sabina Dahija; Arnela Demir; Jelena Samardžić; Ondřej Vrobel; Sanja Ćavar Zeljković; Adisa Parić

Deciphering the epigenetic alphabet involved in transgenerational stress memory in crops – 2021

Velimir Mladenov, Vasileios Fotopoulos, Eirini Kaiserli, Erna Karalija, Stephane Maury, Miroslav Baranek, Na'ama Segal, Pilar S Testillano, Valya Vassileva, Glória Pinto, Manuela Nagel, Hans Hoenicka, Dragana Miladinović, Philippe Gallusci, Chiara Vergata, Aliki Kapazoglou, Eleni Abraham, Eleni Tani, Maria Gerakari, Efi Sarri, Evangelia V Avramidou, Mateo Gašparović, Federico Martinelli

Phenolics of Aerial Parts of Gentiana lutea L. and Their Biological Activity – 2021

Erna Karalija, Sanja Ćavar Zeljković, Sabina Dahija, Renata Bešta-Gajević, Adisa Parić

Effects of Short-Term Exposure to Low Temperatures on Proline, Pigments, and Phytochemicals Level in Kale (Brassica oleracea var. acephala)

– 2021

Valentina Ljubej, Erna Karalija, Branka Salopek-Sondi, Dunja Šamec

Aconitum lycocotonum L.: phenolic compounds and their bioactivities – 2021

Karalija, E., Paric, A., Dahija, S., Besta Gajevic, R., & Cavar Zeljkovic, S. (2021). Aconitum lycocotonum L.: phenolic compounds and their bioactivities. *Poisonous Plant Research (PPR)*, 4(1), 1-9.

Influence of Extraction Solvent on the Phenolic Profile and Bioactivity of Two Achillea Species. – 2021

Kaczorová, D., **Karalija, E.**, Dahija, S., Bešta-Gajević, R., Parić, A., & Ćavar Zeljković, S. (2021). Influence of Extraction Solvent on the Phenolic Profile and Bioactivity of Two Achillea Species. *Molecules*, 26(6), 1601. (q2)

The Role of Polyphenols in Abiotic Stress Response: The Influence of Molecular Structure – 2021

Šamec, D., Karalija, E., Šola, I., Vujčić Bok, V., & Salopek-Sondi, B. (2021). The Role of Polyphenols in Abiotic Stress Response: The Influence of Molecular Structure. *Plants*, 10(1), 118. (q1)

Use of seed priming to improve Cd accumulation and tolerance in Silene sendtneri, novel Cd hyper-accumulator

– 2021

Karalija, E.*, Selović, A., Dahija, S., Demir, A., Samardžić, J., Vrobel, O., Ćavar Zeljković, S., Parić, A. (2021). Use of seed priming to improve Cd accumulation and tolerance in *Silene sendtneri*, novel Cd hyper-accumulator. *Ecotoxicology and Environmental Safety*, 210: 111882 (q1)

Phytochemical variability of selected basil genotypes – 2020

Zeljković Ćavar, S.*., Komzáková, K., Šišková, J., **Karalija, E.**, Smékalová, K., & Tarkowski, P. (2020). Phytochemical variability of selected basil genotypes. *Industrial Crops and Products*, 157, 112910. (q1)

Total phenol content and antioxidant potential of different Brassica oleracea varieties – 2020

Lošić, A., Demir, A., **Karalija, E.*** (2020). Total phenol content and antioxidant potential of different *Brassica oleracea* varieties. *Biologica Nyssana*, 11(1):55-58

Phytotoxic potential of selected essential oils against Ailanthus altissima (Mill.) Swingle, an invasive tree

Karalija, E., Dahija, S., Parić, A., Zeljković, S. Ć.* (2020). Phytotoxic potential of selected essential oils against *Ailanthus altissima* (Mill.) Swingle, an invasive tree. *Sustainable Chemistry and Pharmacy*, 15, 100219. (q2)

Phenolic compounds and bioactive properties of *Verbascum glabratum* subsp. *bosnense* (K. Malý) Murb., an endemic plant species

Karalija, E.*, Parić, A., Dahija, S., Bešta-Gajević, R., Ćavar, Z. S. (2020). Phenolic compounds and bioactive properties of *Verbascum glabratum* subsp. *bosnense* (K. Malý) Murb., an endemic plant species. *Natural product research*, 34(16): 2407-2411 (q2)

Harvest time-related changes in biomass, phenolics and antioxidant potential in *Knautia sarajeensis* shoot cultures after elicitation with salicylic acid and yeast

– 2019

Karalija, E.*, Zeljković, S. Ć., Parić, A. (2019). Harvest time-related changes in biomass, phenolics and antioxidant potential in *Knautia sarajeensis* shoot cultures after elicitation with salicylic acid and yeast. *In Vitro Cellular & Developmental Biology-Plant*, 1-7. (q2)

Total phenolics, antioxidant and antimicrobial activities of dalmatian laburnum (*Petteria ramentacea* (Sieber) c. Presl) methanol extracts.

– 2018

Pustahija, F.*., Bašić, N., Subašić, M., Hukić, E., Starčević, M., Duraković, R., Sinanović, N., Knežević, J., **Karalija, E.**, Parić, A. (2018). Total phenolics, antioxidant and antimicrobial activities of dalmatian laburnum (*Petteria ramentacea* (Sieber) c. Presl) methanol extracts. Works of the Faculty of Forestry, University of Sarajevo, 1(2018): 1-19. **CABI**

Antimicrobial and antioxidant activity of the extracts from *Origanum vulgare* L. growing wild in Bosnia and Herzegovina.

– 2018

Bešta-Gajević, R.*., **Karalija, E.**, Jerković-Mujkić, A., Karadža, D., Smajlović-Skenderagić, L., & Dahija, S. (2018). Antimicrobial and antioxidant activity of the extracts from *Origanum vulgare* L. growing wild in Bosnia and Herzegovina. *Genetics & Applications*, 2(2), 62-66. **CABI**

Effect of salicylic acid seed priming on resistance to high levels of cadmium in lettuce (*Lactuca sativa L.*)

- 2018

Šabanović, M., Parić, A., Briga, M., **Karalija, E.*** (2018). Effect of salicylic acid seed priming on resistance to high levels of cadmium in lettuce (*Lactuca sativa L.*). *Genetics & Applications*, 2(2), 67-72. **CABI**

The effect of hydro and proline seed priming on growth, proline and sugar content, and antioxidant activity of maize under cadmium stress

- 2018

Karalija, E.*, Selović, A. (2018). The effect of hydro and proline seed priming on growth, proline and sugar content, and antioxidant activity of maize under cadmium stress. *Environmental Science and Pollution Research*, 25(33), 33370-33380. **(q2)**

The Effect of Salicylic Acid on Response to Water Deficit in Basil – 2018

Parić A, **Karalija E** (2018) The Effect of Salicylic Acid on Response to Water Deficit in Basil. *Genetics and Applications*, The official Publication of the Institute for Genetic Engineering and Biotechnology, University of Sarajevo, 2(1): 42-48.

Media composition effects seed dormancy, apical dominance and phenolic profile of *Knautia sarajevensis* (Dipsacaceae), Bosnian endemic

- 2018

Karalija E, Čavar Zeljković S, Tarkowski P, Muratović E, Parić A (2018): Media composition effects seed dormancy, apical dominance and phenolic profile of *Knautia sarajevensis* (Dipsacaceae), Bosnian endemic Act a Botanica Croatica, 77(1), 70-79. DOI: <https://doi.org/10.1515/botcro-2017-0011>; *Web of Science*

Air pollution tolerance index of *Plantago major* in steelworks area of Zenica, Bosnia and Herzegovina.

- 2017

Klisura, T., Parić, A., Subašić, M., **Karalija, E.** (2017). Air pollution tolerance index of *Plantago major* in steelworks area of Zenica, Bosnia and Herzegovina. *Genetics & Applications*, 1(1), 59-64.

The effect of cytokinins on growth, phenolics, antioxidant and antimicrobial potential in liquid agitated shoot cultures of *Knautia sarajevensis*.

- 2017

Karalija E, Čavar Zeljković S, Tarkowski P, Muratović E, Parić A (2017) The effect of cytokinins on growth, phenolics, antioxidant and antimicrobial potential in liquid agitated shoot cultures of *Knautia sarajevensis*, Plant Cell, Tissue and Organ Culture (PCTOC); 131(2): 347-357 (DOI: 10.1007/s11240-017-1288-2); *Web of Science*

Biochemical responses of basil to aluminium and cadmium stresses – 2017

Đogić S, Džubur N, **Karalija E**, Parić A (2017) Biochemical responses of basil to aluminium and cadmium stresses. *Acta Agriculturae Serbica*, 12 (43): 57-65. *CAB Abstracts®*;

Growth, secondary metabolites production, antioxidative and antimicrobial activity of mint under the influence of plant growth regulators

- 2017

Parić A, **Karalija E**, Čakar J (2017) Growth, secondary metabolites production, antioxidative and antimicrobial activity of mint under the influence of plant growth regulators. *Acta Biologica Szegediensis*, 61(12): 189-195. *Elsevier BIOBASE*

Biological activity of *Juniperus communis L.* extracts – 2017

Mahmutović I, Dahija S, Bešta-Gajević R, **Karalija E** (2017) Biological activity of *Juniperus communis L.* extracts. Works of the Faculty of Agriculture and Food Sciences, University of Sarajevo, LXII(67/2): 536-544. *CAB Abstracts®*;

Quantitative analysis of secondary metabolites in *Hypericum perforatum*, originating from different localities in Bosnia and Herzegovina

- 2017

Karadža A, **Karalija E**, Vidic D, Parić A (2017) Quantitative analysis of secondary metabolites in *Hypericum perforatum*, originating from different localities in Bosnia and Herzegovina. Works of the Faculty of Agriculture and Food Sciences, University of Sarajevo, LXII(67/2): 545-556. *CAB Abstracts®*;



[Environmental factors do not affect the phenolic profile of *Hypericum perforatum* growing wild in Bosnia and Herzegovina](#)

- 2017

Ćavar Zeljković S, **Karalija E**, Parić A, Muratović E, Tarkowski P (2017) Environmental factors do not affect the phenolic profile of *Hypericum perforatum* growing wild in Bosnia and Herzegovina. Natural Product Communications, 12(9): 1465 - 1468; *Web of Science*

[Evaluation of phenolic profile and bioactivity of *Nigella sativa* L. seed extracts](#) – 2017

Topcagic A, Ćavar Zeljkovic S, **Karalija E**, Galijasevic S, Sofic E (2017) Evaluation of phenolic profile and bioactivity of *Nigella sativa* L. seed extracts. Bosnian Journal of Basic Medical Sciences. DOI: <http://dx.doi.org/10.17305/bjbms.2017.2049>; *Web of Science*

[Variation of phenolic composition of *Knautia arvensis* in correlation to geographic area and plant organ. Natural Product Communications](#)

- 2017

Karalija E, Muratović E, Tarkowski P, Ćavar Zeljković S (2017): Variation of phenolic composition of *Knautia arvensis* in correlation to geographic area and plant organ. Natural Product Communications; 12(4): 545 - 548; *Web of Science*

[Elicitation of biomass and secondary metabolite production, antioxidative and antimicrobial potential of basil and oregano induced by BA and IBA application](#)

- 2017

Karalija E, Neimarlija D, Čakar J, Parić A (2016): Elicitation of biomass and secondary metabolite production, antioxidative and antimicrobial potential of basil and oregano induced by BA and IBA application. European Journal of Medicinal Plants, 14(4): 1-11; INDEX COPERNICUS

[Pigments and genome size variation in *Symphyandra hofmannii* population](#) – 2015

Parić A, **Karalija E**, Pustahija F, Šiljak-Yakovlev S, Muratović E (2015): Pigments and genome size variation in *Symphyandra hofmannii* population, Bulletin of the Chemists and Technologists of Bosnia and Herzegovina, 44: 71-78; *CAB Abstracts®*;

[Kinetin induced changes in rutin content in *Knautia sarajeensis* \(G. Beck\) Szabó shoot cultures](#) – 2014

Karalija E, Kurtagić H, Parić A (2014): Kinetin induced changes in rutin content in *Knautia sarajeensis* (G. Beck) Szabó shoot cultures, Bulletin of the Chemists and Technologists of Bosnia and Herzegovina, 43: 45-48; *CAB Abstracts®*;

[Biochemical status of in vitro regenerated *Lilium bosniacum* and *Lilium cattaniae* plantlets](#) – 2013

Karalija E, Parić A, Muratović E (2013): Biochemical status of *in vitro* regenerated *Lilium bosniacum* and *Lilium cattaniae* plantlets, Open Life Sciences(formerly: Central European Journal of Biology), 8 (9): 912-920; *Web of Science*

[Effect of BAP on in vitro micropropagation of endemic species *Acinos orontius* \(K. Malay\) Šilić](#) – 2013

Parić A, Čakar J, **Karalija E** (2013): Effect of BAP on *in vitro* micropropagation of endemic species *Acinos orontius* (K. Malay) Šilić, Proceedings 1st Symposium of Geneticists in Bosnia and Herzegovina, 85-89;

[Induction of bulbils on leaf and bulb explants of endangered *Lilium bosniacum* \(G. Beck\) G. Beck ex Fritsch](#)

- 2011

Parić A, Čakar J, Muratović E, **Karalija E** (2011): Induction of bulbils on leaf and bulb explants of endangered *Lilium bosniacum* (G. Beck) G. Beck ex Fritsch, Botanica Serbica, 35(1): 31-35; *CAB Abstracts®*

[Morphological and physiological response of *Phaseolus vulgaris* L. to different cobalt concentrations](#)

- 2011

Muratović E, **Karalija E**, Bećirović A, Jeleč R, Parić A (2011): Morphological and physiological response of *Phaseolus vulgaris* L. to different cobalt concentrations, Proceedings 21st Scientific-Expert Conference of Agriculture and Food Industry, 299-311; *CAB Abstracts®*

[The effect of BA and IBA on the secondary metabolite production by shoot culture of *Thymus vulgaris*](#)

- 2011

Karalija E, Parić A (2011): The effect of BA and IBA on the secondary metabolite production by shoot culture of *Thymus vulgaris* L., Biologica Nyssana, 2: 29-35; ISSN: 2217-4606



Response of Ocimum basilicum L. to aluminum treatment

Parić A, **Karalija E**, Muratović E (2011): Response of *Ocimum basilicum* L. to aluminum treatment, Proceedings 22nd International Scientific-Expert Conference of Agriculture and Food Industry, 140-143; CAB Abstracts®

Somatic embryogenesis and in vitro plantlet regeneration of Lilium martagon L. var. cattaniae Vis – 2

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Phytochemical screening and bioactive potential of selected plants from Bosnia and Herzegovina

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2017 – ESOF, Toulouse

Is sectoral and disciplinary mobility the key to promote PhD careers? Panelista

Učesnik okruglog stola „Is sectoral and disciplinary mobility the key to promote PhD careers?”

2017 – Rim

4th Joint Science Conference Član ekspertne grupe

Učesnik po pozivu (**ad personam**)

2016 – Jordan

Avoiding the Weaponisation of Research Učesnik radionice Avoiding the Weaponisation of Research

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