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**B) Bibliografija**

**1. Naučno istraživački rezultati**

Bibliografija za period od 1994. (od prvog zaposlenja u Institutu) do 2015. sistematizovana po Pravilniku o zvanjima Ministarstva za prosvetu, nauku i tehnološki razvoj Republike Srbije

**M10 Monografije**

**Poglavlja u knjigama/monografijama M13**

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**M20 Radovi međunarodnog značaja**

**M21 Radovi u vrhunskim međunarodnim časopisima**

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**M23 Radovi u međunarodnim časopisima**

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#### **M30 Međunarodni skupovi**

##### **M31 Predavanje po pozivu na skupu međunarodnog značaja, štampani u celini**

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- Društava genetičara Srbije, 2–6. oktobar, Kladovo, Srbija, 37.
32. Jug D., Jug I., Stipešević B., Stošić M., Brozović B., Đalović I., **Simić M.**, Dolijanović Ž. (2011): Kvalitet sojinog zrna [*Glicine max.* (L.) Meer] u različitim sistemima redukovane obrade zemljišta. Zbornik abstrakata V Simpozijuma sa međunarodnim učešćem „Inovacije u ratarskoj i povrtarskoj proizvodnji“, 20–22. oktobar, Beograd, Srbija, 53.
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  44. Šeremešić S., Nikolić Lj., Milošev D., **Simić M.**, Živanov M., Dolijanović Ž. (2013): Uticaj kukuruznog glutena na brojnost korova u kukuruza i soji. Zbornik apstrakata VI Simpozijuma sa međunarodnim učešćem Inovacije u ratarskoj i povrtarskoj proizvodnji, 17-18. oktobar, Beograd, 74.
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  49. **Simić M.**, Radivojević LJ., Brankov M., Gajić Umiljendić J. (2013): Značaj adjuvanata za efikasnost herbicida u semenskom kukuruзу. XII savetovanje o zaštiti bilja, Zlatibor, 25-29. Novembar, 93-94. ISBN 978-86-83017-24-9
  50. Radivojević LJ., Gajić Umiljendić J., Sarić-Krsmanović M., **Simić M.** (2013): Efikasnost petoksamida i kombinacije petoksamida i terbutilazina u suzbijanju korova u kukuruзу. XII savetovanje o zaštiti bilja, Zlatibor, 25-29. Novembar, 90-91. ISBN 978-86-83017-24-9

#### **M70 Magistarske i doktorske teze**

##### **M71 Doktorska disertacija**

**Simić M.** (2004): Sezonska dinamika korovske sinuzije, kompetitivnost i produktivnost kukuruza u integralnim sistemima kontrole zakorovljenosti. Doktorska disertacija. Poljoprivredni fakultet Univerziteta u Beogradu, Beograd.

##### **M72 Magistarska teza**

**Stanojević M.** (1999): Uticaj gustine useva i primene herbicida na floristički sastav i građu korovske zajednice kukuruza (*Zea mays* L.). Magistarska teza, Poljoprivredni fakultet, Univerzitet u Beogradu, Beograd.

#### **• Inženjerske realizacije**

##### **2.1 Patenti**

##### **M92 Realizovan patent**

- Filipović M., Vuković M., **Simić M.** (2009): Dvolinijski hibrid ZPSC 811. Rešenje broj 320-04-2075/2/2008-08, od 19.02.2010.
- Filipović M., Stojnić O., Žilić S., **Simić M.** (2013): Dvolinijski hibrid ZPSC 590 (FAO 500), Rešenje br. 320-04-01114/2/2011-11 od 04.1.2013.
- Filipović M., Srdić J., Pajić Z., **Simić M.** (2014): Dvolinijski hibrid ZPSC 552b. Rešenje broj 320-04-01114/2/2012-11, od 13.01.2014.
- Filipović M., Babić V., **Simić M.**, Čamdžija Z. (2015): Dvolinijski hibrid ZP 166 (FAO 100), Rešenje br. 320-04-01984/2/2013-11 od 26.1.2015.

##### **2.2 Formiranje laboratorije/istraž. pravca**

- Unapređena Laboratorija za agrohemiju (nove metode, nova oprema) u okviru Grupe za agroekologiju i agrotehniku Instituta za kukuruz Zemun Polje, rukovodilac dr M. Simić, 2011-2014
- Razvijena istraživanja u oblasti organske poljoprivrede na oglednim površinama (1 ha) Instituta za kukuruz Zemun Polje, rukovodilac dr M. Simić

- **Ostali pokazatelji uspeha**

### **3.1. Nagrade i priznanja**

- Savez pronalazača i autora tehničkih unapređenja Beograda - Srebrna medalja sa likom Nikole Tesle iz oblasti novih tehnologija za »Razvoj novih tehnologija gajenja kukuruza sa ekološkim pristupom«, 29. maj 2013.

### **3.2 Uvodna predavanja na konferencijama**

**Uvodna predavanja po pozivu na skupu međunarodnog značaja, štampani u celini (na engleskom)**

- **Simić M.**, Dolijanović Ž., Stefanović L., Oljača S., Kovačević D., Momirović N. (2010): The crop population role in maize weed control and productivity. 3<sup>rd</sup> International scientific/professional Conference "Agriculture in nature and environment protection", May 31- June 2, 2010., Vukovar, Croatia, 28-40.
- **Simić M.**, Dragičević V., Jug I., Stipešević B., Spasojević I., Dumanović Z. (2011): Maize hybrids productivity under different spatial arrangements. Proceedings of the 4<sup>th</sup> International scientific/professional Conference "Agriculture in nature and environment protection", June, 1-3, Vukovar, Croatia, 54-63. ISBN 978-953-7693-00-8
- **Simić M.**, Dolijanović Ž., Oljača S., Spasojević I., Stipešević B., Dragičević V. (2013): Maize weed control by application of IWMS. Proceedings and Abstracts of 6th International scientific/professional conference Agriculture in nature and environment protection", May, 27-29, Vukovar, Croatia, 22-32. ISBN 978-953-7693-00-8

**Uvodna predavanja po pozivu na skupu nacionalnog značaja (s međunarodnim učesćem), štampani u celini (na srpskom)**

1. **Simić M.**, Stefanović L. (2008): Kompeticija- najčešći oblik interakcija između useva i korova. Osmi kongres o korovima, 22-26. septembar, Vrnjačaka Banja, Srbija, 7-21.
2. **Simić M.**, Dragičević V., Srdić J., Brankov M., Spasojević I. (2013): Značaj sistema intergisanih mera za kontrolu korova u kukuruzu. XVII Savetovanje agronoma, veterinara, tehnologa i agroekonomista, Vol. 19, No 1-2, 89-100. ISSN:0354-1320

### **3.3 Odbori međunarodnih konferencija**

- Član naučnog odbora međunarodne konferencije: 2<sup>nd</sup> International scientific/professional Conference "Agriculture in nature and environment protection", 2009, Vukovar, Croatia.
- Član naučnog odbora međunarodne konferencije: 3<sup>rd</sup> International scientific/professional Conference "Agriculture in nature and environment protection", 2010, Vukovar, Croatia.
- Član naučnog odbora 3<sup>rd</sup> International Symposium on Weeds, 2011, Sarajevo, BiH.
- Član naučnog odbora međunarodne konferencije: 4<sup>th</sup> International scientific/professional Conference "Agriculture in nature and environment protection", 2011., Vukovar, Croatia.
- Član naučnog odbora međunarodne konferencije: 5<sup>th</sup>, 6<sup>th</sup>, 7<sup>th</sup>, 8<sup>th</sup> International scientific/professional Conference "Agriculture in nature and environment protection", 2012, 2013, 2014 i 2015, Vukovar, Croatia.

### **3.4 Uređivački odbor časopisa**

- Član uređivačkog odbora časopisa Acta herbologica (Beograd, Srbija)
- Član redakcionog odbora časopisa Herbologia (Sarajevo, BiH).

### **3.5 Recenzije ISI radova**

Recenzent međunarodnih naučnih publikacija:

- Journl of Agricultural Science and Technology (2)
- Scientia Agriculture Bohemica (1)
- Plant, Soil and Environment (1)

- Genetika, Belgrade (1)
- Pesticides & Phytomedicine (3)
- American Journal of Experimental Agriculture (3)
- Crop Protection (1)
- International Journal of Pest Management (1)

### **3.6 Odbori naučnih društava**

- Član Glavnog odbora Herbološkog društva Srbije
- Član Glavnog odbora Društva za zaštitu bilja Srbije
- Član Evropskog društva za proučavanje korova (EWRS) od 1997. godine. U okviru društva, aktivni je član Radne grupe (WG) Crop-Weed Interactions koja, u radi pod rukovodstvom dr Lammert Bastiaans-a, (Department of Plant Sciences, Wageningen University, The Netherlands) i Radne grupe Optimisation of Herbicide Dose pod rukovodstvom dr Per Kudsk (Department of Agroecology – Crop Health, Aarhus University, Denmark) od 2015. godine.

### **3.7 Uređivanje monografija**

#### **3.8 Recenzije međunarodnih projekata**

1. Bilateralni projekat između R Srbije i R Hrvatske: Integralni pristup suzbijanju parazitne biljke *Cuscuta spp.* (vilina kosica) na području severositočne Hrvatske i Srbije, 2012
2. Bilateralni projekat između R Srbije i NR Kine: Biološka kontrola invazivnih korova pomoću *Cuscuta sp.*, 2013

### **• Doprimosi razvoju uslova naučno-istraživačkog rada**

#### **4. 1 Formiranje laboratorije/istraž. pravca**

- Dr Milena Simić je, kroz rukovođenje naučnim projektima finansiranim od strane Ministarstva prosvete, nauke i tehnološkog razvoja RS, unapredila istraživanja u Laboratoriji za agrohemiju kroz nabavku nove opreme i uvođenje novih metoda. U Laboratoriji se određuju osnovne osobine zemljišta i sadržaj pristupačnih makroelemenata: N, P i K, kao i organske materije, na osnovu čega se utvrđuju optimalne potrebe zemljišta za hranivima i daju se preporuke za đubrenje. Proučava se uticaj različitih sistema gajenja sa cijem da se definišu optimalni uslovi za rastenje i razvoj gajenih biljaka. Posebno se proučavaju mehanizmi tolerantnosti gajenih biljaka na različite stresne faktore. Ispituju se efekti primene mineralnih i organskih đubriva, herbicida i stimulatora rastenja na produktivne sposobnosti biljaka, sintezu fotosintetskih pigmenata, antioksidanata i drugih fiziološki aktivnih materija u biljkama. U tu svrhu nabavljen je spektrofotometar, centrifuga, pehametar, sušnica, sterilizator, analitička vaga, laboratorijska vaga, merač hlorofila, mikropipete i dr. Na ovim poslovima angažovana su dva istraživača sa višim zvanjima, jedan naučni saradnik i jedan doktorant.
- Dr Simić je, u skladu sa savremenim trendovima u svetu, oformila pravac istraživanja u oblasti organske poljoprivrede na oglednim površinama (1 ha) Instituta za kukuruz Zemun Polje. Nakon uspešno završenog perioda konverzije, na oglednoj površini se u sistemu organske proizvodnje gaje sorte kukuruza, soje i pšenice sa povećanim sadržajem mikroelemenata i antioksidanata, minerala, vitamina i proteina i kao takve mogu biti komponente visokovredne hrane. Na taj način, razvojna istraživanja u oblasti proizvodnje visokovredne hrane u Instiututu za kukuruz, dobijaju primenljivu dimenziju.

#### **4. 2 Mentorstvo**

Dr Milena Simić je bila komentor doktorskih disertacija:

Mr Željko Dolijanović „Produktivnost kukuruza i soje u združenom usevu u zavisnosti od izbora hibrida, prostornog rasporeda i režima vlaženja“ (2008). Doktorska disertacija, Poljoprivredni fakultet, Beograd (član komisije za odbranu)

Dipl. ing. Igor Spasojević „Značaj plodoreda za povećanje produktivnosti useva (kukuruza, pšenice, soje) i očuvanje agroekosistema“ (2014). Doktorska disertacija, Poljoprivredni fakultet, Beograd (komentor, član komisije za odbranu)

Dipl. ing. Milan Brankov „Sinergistički efekti primene herbicida i folijarnih đubriva na samooplodne linije kukuruza“. Doktorska disertacija, Poljoprivredni fakultet, Beograd (prihvaćena prijava) (komentor, član komisije za odbranu)

Dipl. ing. Biljana Janušević „Agroekološki i agronomski značaj pokrovnih useva u održivom sistemu gajenja hibrida kukuruza specifičnih svojstava“. Doktorska disertacija, Poljoprivredni fakultet, Beograd (prihvaćena prijava) (komentor, član komisije za odbranu)

### **4.3 Pedagoški rad**

Dr Milena Simić učestvuje u pedagoškom radu kroz realizaciju praktične nastave za učenike dve srednje škole – Hemijsko prehrambene tehnološke škole u Beogradu i Geološke i hidrometeorološke škole „Milutin Milanković“ u Beogradu.

### **4.4 Međunarodna saradnja**

#### **Međunarodni projekti**

- Soil tillage systems and fertilization in crop production. Projekat bilateralne saradnje Republike Srbije i Republike Hrvatske, 2008-2010, rukovodilac
- COST FA0905 “Mineral-improved crop production for healthy food and feed” 2012-2014, nacionalni predstavnik za Srbiju

#### **Studijski boravak u inostranstvu**

Radi sticanja novih saznanja iz oblasti izučavanja korova i efikasnih mera za njihovo suzbijanje, kandidat je obavila više studijskih boravaka i specijalizacija. Uspostavljeni su veoma korisni kontakti kao osnov za naučnu saradnju:

- Workshop, 5-6. mart 2015, Heraklion, Krit, Grčka „Optimizing herbicide use in an Integrated Weed Management (IWM) context” gde je usmeno prezentovala rad „Contribution of crop rotation to herbicide weed control in maize“, autora Simić M., Spasojević I., Dragičević V., Brankov M., u okviru sekcije Chemical Control.
- Workshop, 27-29. januar 2014., Uppsala, Švedska „Recent advances in IWM of perennial and annual weeds, with a special emphasis on the role of crop-weed interactions, gde je usmeno prezentovala rad „The influence of crop rotation on annual and perennial weed control in maize field“, autora Simić M., Spasojević I., Brankov M. i Dragičević V., u okviru sekcije Cultural control.
- Postdoktorske studije na University of Life Sciences y Pragu, Faculty of Agrobiolology, Food and Natural Resources, u periodu 1.6. - 31.7. 2012. i 1.11. – 2.12.2012. (tri meseca) gde je savladala primenu više metoda za utvrđivanje rezistentnosti pojedinih biotipova korova prema herbicidima različitih mehanizama delovanja.
- Workshop 8-10. april 2011, u organizaciji EWRS radne grupe Education and Training - Statistical software R: Use of linear and nonlinear regression in physical, chemical and biological weed control. Faculty of Agriculture, University of Belgrade, Nemanjina 6, 11080 Zemun-Belgrade.
- Sudijski boravak na Department of Agronomy, Iowa State University, SAD u periodu



15. septembar - 28. oktobar 2006. godine. Akcenat je na proučavanju preventivnih i drugih mera kontrole korova radi njihovog integrisanja u program koji uključuje tzv. „low input technology“ zbog pojeftinjenja proizvodnje kukuruza i soje i zaštite životne sredine. Deo programa bilo je i upoznavanje sa metodologijom i tehnikama proučavanja rezervi semena korova u zemljištu radi prognoze intenziteta zakorovljenosti i primene odgovarajućih mera suzbijanja korova u usevima.

- Dvonedeljni kurs “Weed Biology and Control for Mediterranean Conditions” , 15-26. septembar 1997. godine, Saragosa, Španija, na kome je proučavana biologija i ekologija korovskih vrsta.
- Workshop, 6-11. jun 2000., Foz do Iguassu, Brazil, gde je usmeno prezentovala rad „Effects of weed interference on maize hybrid grain yield in relation to crop density“, autora Stanojević M., Stefanović L., Rošulj M., u okviru sekcije Integrated Weed Management System.
- Workshop „USA/Serbia Seminar on Maize and Wheat Production under Drought Risk“, 31. mart – 1. april 2004., Belgrade, Serbia.

#### **4. 5 Održavanje naučnih skupova**

Predsednik programskog/organizacionog odbora: /

Sekretar programskog/organizacionog odbora: /

#### **• Organizacija naučnog rada**

#### **5. 1 Rukovođenje projektima**

##### **Rukovođenje projektima**

- Soil tillage systems and fertilization in crop production. Projekat bilateralne saradnje Republike Srbije i Republike Hrvatske, 2008-2010, rukovodilac, broj učesnika 8
- COST FA0905 “Mineral-improved crop production for healthy food and feed” 2012-2014, nacionalni predstavnik za Srbiju
- TR 31037 projekat: Integralni sistemi gajenja ratarskih useva: očuvanje biodiverziteta i plodnosti zemljišta. MPN RS, 2011-2015, rukovodilac, broj učesnika 18
- TR-20007 projekat: Razvoj tehnologije gajenja kukuruza sa ekološkim pristupom, MPN RS, 2008-2010, rukovodilac, broj učesnika 15

U okviru projekata kojima je rukovodila (2008-2010 i 2011-2015) odbranjene su dve magistrske teze i pet doktorskih disertacija

##### **Učešće na projektima**

1. Sustainability of stubble summer crops for bioenergetics needs. Пројекат билатералне сарадње Републике Србије и Републике Хрватске, 2010-2012, учесник
2. III 46008 projekat: Razvoj integrisanih sistema upravljanja štetnim organizmima sa ciljem prevazilaženja rezistentnosti i unapređenja kvaliteta i bezbednosti hrane. MPN RS, 2011-2015, učesnik.
3. BTN 2.1.1.0708B projekat: Visokovredna hrana na bazi kukuruza – ekstrudovane i mikronizovane pahuljice, MNZŽS RS, 2002-2004, učesnik
4. BTN 2.1.1.0707B projekat: Celgran proizvod od oklaska za odmašćivanje i poliranje metalnih površina, MNZŽS RS, 2002-2004, učesnik
5. BTR 5.0.0507B projekat: Oplemenjivanje, gajenje i iskorišćavanje kukuruza, MNZŽS RS, 2002-2005, učesnik
6. TR-6800B projekat: Oplemenjivanje kukuruza šećerca i kokičara, MNZŽS RS, 2002-2005, učesnik
7. TR-6825B projekat: Razvoj novih sistema gajenja kukuruza sa ekološkim pristupom, MNTR RS, 2005-2007, učesnik

8. BTN 321001B projekat: Razvoj novih biološki vrednih proizvoda od kukuruza. MNTR RS, 2005-2008, učesnik

### **5.2 Rukovođenje registracionim ispitivanjima za potrebe industrije**

Dr Milena Simić je rukovodila eksperimentalnim ispitivanjima za potrebe registracije đubriva i pesticida:

1. Ispitivanje delovanja UTEC 46 đubriva na visinu prinosa kukuruza, EuroChem Agro, Nemačka, 2013
2. Biološko ispitivanje preparata Lumax 537,5 SE u kukuruza, Syngenta Agro d.o.o., 2013
3. Ispitivanje delovanja UTEC 46 đubriva na visinu i kvalitet prinosa kukuruza, EuroChem Agro, Nemačka, 2014
4. Ispitivanje efikasnosti preparata rim+partner u delovanju na najvažnije uskolisne i širokolisne korove u kukuruza, DuPont SRB d.o.o., 2014
5. Ispitivanje selektivnosti preparata rim+partner u delovanju na najvažnije uskolisne i širokolisne korove u kukuruza, DuPont SRB d.o.o., 2014

### **5.3 Rukovođenje društvima: /**

### **5.4 Aktivnosti u Ministarstvu nauke: /**

### **5.5 Rukovođenje naučnim institucijama:**

- Šef Grupe za agroekologiju i agrotehniku od 2006. godine
- Član Naučnog veća Instituta za kukuruz Zemun Polje
- Član UO Instituta za kukuruz od 2010. do 2014. године. Član UO Instituta za pesticide i zaštitu životne sredine u Beogradu od novembra 2014.

### **• Citiranost**

Ukupan broj citata: 94 heterocitata

Broj citiranih radova sa ISI liste: 23 rada kroz 41 citat