

Jovan Ćirić

LIČNI PODACI

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OBRAZOVANJE

2009 - 2017: Doktorske studije - Tehnološki fakultet u Leskovcu, Univerzitet u Nišu (Tehnološko inženjerstvo - Mikrobne konverzije)

2004 - 2009: Osnovne studije - Tehnološki fakultet u Leskovcu, Univerzitet u Nišu (Prehrambeno inženjerstvo)

2000 – 2004: Prehrambeno-hemijska škola u Nišu

RADNO ISKUSTVO

01.12.2017 –: Istraživačko Razvojni Centar "ALFATEC" Niš - Naučni saradnik

01.02.2011 – 30.11.2017: Tehnološki fakultet u Leskovcu Univerziteta u Nišu - Istraživač saradnik/Asistent/Laborant

01.11.2009 – 01.06.2010: Industrija mesa (MAK Internacional) - Inženjer tehnologije u proizvodnji

05.12.2009 – 15.04.2010: Vojnomedicinski centar Niš – Vojna hitna – Dispečer/Šalterski radnik

01.11.2008 – 01.07.2009: AD Niška mlekarica – Volonter/apsolvent (odrađen diplomski rad)

PROJEKTI SUFINANSIRANI OD STRANE MINSTARSTVA

01.12.2017 - : III 44006 „Razvoj novih informaciono-komunikacionih tehnologija, korišćenjem naprednih matematičkih metoda, sa primenom u medicini, energetici, telekomunikacijama, e-upravi i zaštiti nacionalne baštine“ - Ministarstvo prosvete, nauke i tehnološkog razvoja Republike Srbije

01.02.2011 – 01.12.2017: – III 45001 „Nanostrukturni, funkcionalni i kompozitni materijali u katalitičkim i sorpcionim procesima“ - Ministarstvo prosvete, nauke i tehnološkog razvoja Republike Srbije

KONFERENCIJE

- 10-ti simpozijum "Savremene tehnologije i privredni razvoj", 22-23.10.2013. Leskovac, Srbija, ISBN 978-86-82367-98-7.
- 11-ti simpozijum "Savremene tehnologije i privredni razvoj", 23-24.10.2015. Leskovac, Srbija.
- 12th symposium „Novel technologies and economic development“, 20-21.10.2017. Leskovac, Serbia.
- 13th symposium „Novel technologies and economic development“ 18-19.10.2019. Leskovac, Serbia. ISBN: 978-86-89429-35-0
- eNergetics - 5th Virtual International Conference on Science, Technology and Management in Energy, October 28-29, 2019.

SEMINARI, STRUČNO USAVRŠAVANJE

- Upravljanje projektnim ciklusim – Project cycling management – Gligor Stojkov, Vlada Pandurov, Simon Briggs, Ljubica Vasić, Ministarstvo spoljnih poslova Srbije, decembar 2013. Beograd
- Savremeni kriterijumi mikrobiološke bezbednosti u proizvodnji hrane, Tehnološki fakultet u Leskovcu, Leskovac, april 2014.
- PCR obuka, Superlab, Beograd, novembar 2017.
- Napredni kalemarski kurs, Viša poljoprivredna škola u Prokuplju, februar 2014.
- Uspešno pčelarenje, Pčelarsko udruženje, Leskovac maj 2015.
- Bezbedno gljivarenje – kurs za početnike, Gljivarsko udruženje Mića vrganj – Leskovac, jun 2015.

ČLANSTVA

- Savez hemijskih inženjera srbije
- Udruženje mikrobiologa srbije

PUBLIKOVANI NAUČNI RADOVI***International journal (M23=3)***

1. Danilović B., Avramović J., Ćirić J., Savić D., Veljković V., Production of biodiesel from microalgae, Chem. Ind. 68 (2) (2014) 213-232.
2. Ćirić J., Konstantinović S., Ilić S., Gojgić-Cvijović G., Savić D., Veljković V., The impact of isatin derivatives on antibiotic production by *Streptomyces hygroscopicus* CH-7, Chem. Ind. 70 (2) (2016) 123-128. DOI:10.2298/HEMIND141127019C.
3. Konstantinović S., Danilović B., Ćirić J., Ilić S., Savić D., Veljković V., Valorization of crude glycerol from biodiesel production, Chem. Ind. Chem. Eng. Q., 22(4) (2016) 461-489. REVIEW PAPER (2016) DOI: 10.2298/CICEQ160303019K.
4. Danilović B., Cvetkovic-Rakić J., Ćirić J., Simeunović J., Veljković V., Savić D., The isolation and screening of microalgae for the production of oil, Chem. Ind. 71 (1) (2017) 69-74.
5. Konstantinović S., Ilić S., Milica Z., Ćirić J., Gojgić-Cvijović G., Veljković V., The use of salicylaldehyde derivatives as a nitrogen source for antibiotic production by *Streptomyces hygroscopicus* CH-7, Chem. Ind. (2017) ONLINE.
6. Ćirić J., Joković N., Ilić S., Konstantinović S., Savić S., Veljković V., Production of lactic acid by *Enterococcus faecalis* on waste glycerol from biodiesel production, Chem. Ind. Chem. Eng. Q., ACCEPTED – ONLINE (10.10.2019.)

Paper reported at a meeting of international importance, printed in its entirety (M33=1)

7. Jovan Ćirić, Nataša Vitošević, Ljubiša Stajić, Dušica Ilić, Energetic potential of microalgae from swamps and ponds of South Serbia, eNegetics - 4th Virtual International Conference on Science, Technology and Management in Energy, October 25-26, 2018. ISBN: 978-8680616-03-2
8. Ćirić J., Stanković N., Živković M., Lazarević Đ., Producing of microbial oil using waste glycerol from biodiesel production – From by-product to raw material, eNegetics - 5th Virtual International Conference on Science, Technology and Management in Energy, October 28-29, 2019.

Paper reported at a meeting of international importance, printed in the abstract (M34=0,5)

9. Ćirić J., Joković N., Ilić S., Konstantinović S., Veljković V., Gojgić-Cvijanović G., Savić D., Growth and antibiotic production by *Streptomyces hygroscopicus* on glycerol obtained from biodiesel production, Microbiologia Balkanica, 7th Balkan Congress Of Microbiology, Proceedings on CD, 25-29.10. 2011., Belgrade, Serbia.
10. Konstantinović S., Ilić S., Ćirić J., Savić D., Gojgić-Cvijović G., Veljković V., Influence of nitrogen sources on the antibiotic production by *Streptomyces hygroscopicus*, International Scientific Conference

- „10th Conference of Chemists, Technologists and Environmentalists of Republic of Srpska, Book of Abstracts, 66, 14.-16.11. 2013. Banja Luka, Bosnia and Herzegovina, ISBN 978-99938-54-48-7.
11. Ćirić J., Danilović B., Savić D., Veljković V., Comparison of various oil extraction methods from freshwater filamentous green algae, 8th International Conference of the Chemical Societies of the South-East European Countries ICOSEC, Book of Abstracts, 189, 27.-29.06.2013. Beograd, Srbija, ISBN 978-86-7132-053-5.
 12. Matejić J., Jovanović N., Ćirić J., Kostić M., Rajković J., Stojanović-Radić Z., Mihajilov-Krstev T., Joković N., Fermentation of meadow honey with probiotic bacteria. Book of Abstracts of International Conference on Natural Products Utilization: From Plant to Pharmacy Shelf, 170, 3-6 November, 2013., Bansko, Bulgaria.
 13. Jovan Ćirić, Slavica Ilić, Sandra Konstantinović, Dragiša Savić, Vlada Veljković, The production of oil by the *Scenedesmus* and *Desmodesmus* microalgae grown on waste glycerol, XII Conference of Chemists, Technologists and Environmentalists of the Republic of Srpska, Book of Abstracts, 82, 2-3 november, 2018.
 14. Slavica Ilić, Jovan Ćirić, Sandra Konstantinović, Dragiša Savić, Vlada Veljković, The stimulative effect of isatin-3-hydrazone and 5-chloroisatin-3-hydrazone on the utilization of waste glycerol obtained in biodiesel production from sunflower oil by *Streptomyces hygroscopicus* CH-7 XII Conference of Chemists, Technologists and Environmentalists of the Republic of Srpska, Book of Abstracts, 83, 2-3 november, 2018.
 15. Milica Zlatković, Sandra Konstantinović, Jovan Ćirić, Slavica Ilić, Gordana D. Gojgić Cvijović, Vlada Veljković, Modification of nutritive media with different carbon and nitrogen source for hexaene H-85 and azalomycine B production by *Streptomyces hygroscopicus* CH-7, XII Conference of Chemists, Technologists and Environmentalists of the Republic of Srpska, Book of Abstracts, 75, 2-3 november, 2018.

Leading journal of national importance (M51=2)

16. Dušica Ilić, Jovan Ćirić, Nataša Vitošević, Vesna Nikolić, Ljiljana Stanojević, Nikola Stanković, Tamara Popović, The processing process effect on the antioxidant activity of aronia products, *Advanced Technologies* 7(2) (2018) 25 – 30.

National journal (M52=1,5)

17. Ćirić J., Ilić S., Konstantinović S., Veljković V., Gojgić-Cvijović G., Savić D., Fermentacija glicerola pomoću bakterije *Streptomyces hygroscopicus* CH-7, *Advanced Technologies*, 1(2) (2012) 20-25.
18. Ilić S., Konstantinović S., Ćirić J., Savić D., Gojgić-Cvijović G., Veljković V., Crude glycerol and whey as carbon and nitrogen sources for the production of antibiotics, *Advanced technologies*, 5(1) (2016) 5-9.

Paper reported at a meeting of national importance with international participation, printed in the abstract (M64=0,2)

19. Ćirić J., Ilić S., Konstantinović S., Veljković V., Gojgić-Cvijović G., Savić D., Glycerol as a carbon source for antibiotic production by *Streptomyces hygroscopicus* CH-7, BFP-34, p.121, XXII Congress of Chemists and Technologists of Macedonia, Sept. 05 – 09 2012, Ohrid, Macedonia.
20. Savić D., Ćirić J., Danilović B., Veljković V., Growth kinetics of lipid producing freshwater microalgae isolates, XXII Congress of Chemists and Technologists of Macedonia with international participant, Book of abstract, BFP-36, p.123, September 5.-9. 2012, Ohrid, Macedonia.
21. Konstantinović S., Ilić S., Ćirić J., Savić D., Veljković V., Gojgić-Cvijović G., Uticaj Schiff-ovih baza na produkciju antibiotika pomoću bakterije *Streptomyces hygroscopicus*, 10-ti simpozijum "Savremene tehnologije i privredni razvoj", Zbornik izvoda radova OHT-9, str.107, 22-23.10.2013. Leskovac, Srbija, ISBN 978-86-82367-98-7.
22. Konstantinović S., Ilić S., Ćirić J., Savić D., Veljković V., Gojgić-Cvijović G., Uticaj derivata 5-hlorizatina na produkciju antibiotika pomoću *Streptomyces hygroscopicus*, 10-ti simpozijum "Savremene tehnologije i privredni razvoj", Zbornik izvoda radova OHT-10, str.108, 22-23.10.2013. Leskovac, Srbija, ISBN 978-86-82367-98-7.
23. Ćirić J., Danilović B., Simeunović J., Veljković V., Savić D., Izolacija slatkovodnih mikroalgi za dobijanje ulja kao sirovine za proizvodnju biodizela, Usmena prezentacija, IX Kongres mikrobiologa Srbije, Mikromed, Knjiga Apstrakata, 30.05-01.06.2013. Beograd, Srbija, ISBN 978-86-914897-1-7.
24. Konstantinović S., Ilić S., Ćirić J., Zlatković M., Savić D., Veljković V., Gojgić-Cvijović G., Uticaj kompleksa izatin-3-tiosemikarbazona na produkciju antibiotika pomoću *Streptomyces hygroscopicus* CH-7, 11-ti simpozijum "Savremene tehnologije i privredni razvoj", Zbornik izvoda radova BPT-43, str.81, 23-24.10.2015. Leskovac, Srbija.

25. Ilić S., Konstantinović S., Ćirić J., Jovanović M., Savić D., Veljković V., Gojgić-Cvijović G., Optimizacija fermentacionih uslova za produkciju antibiotika pomoću *Streptomyces hygroscopicus* CH-7, 11-ti simpozijum "Savremene tehnologije i privredni razvoj", Zbornik izvoda radova BPT-44, str.82, 23-24.10.2015. Leskovac, Srbija.
26. Veljković V., Ilić S., Ćirić J., Gojgić Cvijović G., 5-nitro-2-furfurilidene derivatives as nitrogen source for antibiotic production by *Streptomyces hygroscopicus* CH-7, 978-9989-760-13-6, pg 100, XXIV Congress of Chemists and Technologists of Macedonia with international participation, Sept. 11-14 2016., Ohrid, Macedonia.
27. Konstantinović S., Zlatković M., Ćirić J., Ilić S., Gojgić Cvijović G., Veljković V., The influence of modified nutrition medium on *Streptomyces hygroscopicus* CH-7 morphological changes, 12th symposium „Novel technologies and economic development“ Book of abstracts BFT-22, pg. 56, 20-21.10.2017. Leskovac, Serbia.
28. Ćirić J., Joković N., Ilić S., Konstantinović S., Savić D., Veljković V., The fermentation of waste glycerol obtained in biodiesel production by *Enterococcus faecalis* MK3-10A lactic acid bacteria, 12th symposium „Novel technologies and economic development“ Book of abstracts BFT-24, pg. 58, 20-21.10.2017. Leskovac, Serbia.
29. Jovan Ćirić, Nataša Joković, Slavica Ilić, Sandra Konstantinović, Dragiša Savić, Vlada Veljković, The growth of *Enterococcus faecalis* MK3-10A on the combined media with glucose and waste glycerol, BFT P-5, pg 207, XXV Congress of Chemists and Technologists of Macedonia, September 19 – 23, 2018, Ohrid, Macedonia.
30. Jovan Ćirić, Slavica Ilić, Sandra Konstantinović, Dragiša Savić, Vlada Veljković Utilization of waste glycerol from biodiesel production by freshwater microalgae, BFT P-7, pg 208, XXV Congress of Chemists and Technologists of Macedonia, September 19 – 23, 2018, Ohrid, Macedonia.
31. Ćirić J., Zlatković M., Ilić S., Konstantinović S., Veljković V., The *Streptomyces hygroscopicus* metabolism of waste glycerol obtained in rapeseed oil-based biodiesel production assisted with isatin-3-tosylhydrazone and 5-chloroisatin-3-tosylhydrazone, „Novel technologies and economic development“ Book of abstracts CHE-10, pg. 162, 18-19.10.2019. Leskovac, Serbia.
ISBN: 978-86-89429-35-0

Defended doctoral dissertation (M71=6)

32. Jovan T. Ćirić, Microbiological utilisation of waste glycerol obtained in biodiesel production, Doctoral dissertation, (UDK: 579:547.426.1:662.756.3) University of Niš, Faculty of technology, Leskovac, Srbija 27.9.2017.

Significantly improved existing product or technology (with proof) a new solution to problems in the field of microeconomic, social and sustainable spatial development issues reviewed and accepted at the national level (with proof) (M84=3)

33. Zoran Stajić, Milan Radić, Miljana Vešović, Mara Tanasković, Jovan Ćirić, „Improving of energy efficiency in the pump system with tanks of different height zones”, significantly improved product or technology, The technical solution is the result of project “Development of new information and communication technologies, using advanced mathematical methods, with applications in medicine, energy, telecommunications, e-government and the protection of national heritage“, projciencia and Technological Development of the RS in the period from 01.01.2011. to 31.12.2018., registration number of the project: III 44006, Project manager: Dr Zoran Ognjanović, Mathematical Institute of the Serbian Academy of Science and Arts. A technical solution was recognized in RDC “Alfatec”, Niš, with decision of the Expert Council no. 2001/18-4 from 20.01.2018.
34. Nataša Vitošević, Jovan Ćirić, Dušica Ilić, Technological procedure for production of liqueur obtained from candied cranberry and candied aronia, significantly improved product or technology, The technical solution is the result of project “Development of new information and communication technologies, using advanced mathematical methods, with applications in medicine, energy, telecommunications, e-government and the protection of national heritage“, projciencia and Technological Development of the RS in the period from 01.01.2011. to 31.12.2018., registration number of the project: III 44006, Project manager: Dr Zoran Ognjanović, Mathematical Institute of the Serbian Academy of Science and Arts. A technical solution was recognized in RDC “Alfatec”, Niš, with decision of the Expert Council no. 0510/18-1 od 05.10.2018.

NAGRADE I PRIZNANJA ZA NAUČNI RAD

- Specijalno priznanje SRPSKOG HEMIJSKOG DRUŠTVA za izuzetne rezultate postignute na osnovnim studijama

UVODNA PREDAVANJA NA KONFERENCIJAMA I DRUGA PREDAVANJA PO POZIVU

- IX Kongres mikrobiologa Srbije, Mikromed, 30.05-01.06.2013. Beograd, Srbija, ISBN 978-86-914897-1-7.

MENTORSTVO PRI IZRADI MAGISTARSKIH I DOKTORSKIH RADOVA, RUKOVOĐENJE SPECIJALISTIČKIM RADOVIMA

1. Ana Stefanović, **Diplomski rad**, Kinetika mlečnokiselinske fermentacije bakterije *Enterococcus faecalis* na podlozi sa glicerinom, 2012.
2. Vučković Jelena, **Diplomski rad**, Kinetika fermentacije bakterije *Streptomyces hygroscopicus* CH-7 na podlozi sa glicerolom, 2012.
3. Jović Miloš, **Diplomski rad**, Proučavanje mogućnosti korišćenja kompleksa Schiff-ovih baza za gajenje bakterije *Streptomyces hygroscopicus*, 2012.
4. Mitrović Marko, **Diplomski rad**, Proučavanje metoda ekstrakcije ulja iz končastih zelenih algi, 2012.
5. Gordana Ilić, **Master rad**, Korišćenje Schiff-ovih baza sintetisanih u otpadnom glicerolu u produkciji antibiotika, 2013.
6. Mirjana Ilić, **Master rad**, Uticaj derivata 5-hloroizatina na produkciju antibiotika pomoću *Streptomyces hygroscopicus*, 2013.
7. Zdravković Sanja, **Master rad**, Uticaj različitih izvora azota na biosintezu antibiotika pomoću *Streptomyces hygroscopicus*, 2013.
8. Dimitrijević Aleksandra, **Master rad**, Proučavanje mogućnosti primene otpadnih sirovina kao izvora ugljenika i azota u biosintezi antibiotika, 2013.
9. Danijela Filić (2013), **Master rad** - U izradi (još uvek nije odbranjen)
10. Cvetković Jelena, **Master rad**, Izolacija i identifikacija slatkovodnih algi sa sposobnošću produkcije ulja, 2013.
11. Stanojević Nikola, **Diplomski rad**, Optimizacija sastava hranljive podloge za produkciju antibiotika pomoću *Streptomyces hygroscopicus* CH-7, 2014.
12. Pejčić Jelena, **Master rad**, Optimizacija produkcije sekundarnih metabolita pomoću *Streptomyces hygroscopicus* CH-7, 2017.
13. Marija Kocić (2017), **Master rad** - U izradi (još uvek nije odbranjen)
14. Komnenović Marija, **Master rad**, Uticaj sastava hranljive podloge na biosintezu antibiotika pomoću *Streptomyces hygroscopicus*, 2018.
15. Stojan Mančić, **Master rad**, Uticaj različitih izvora ugljenika i koncentracije na produkciju antibiotika pomoću *Streptomyces hygroscopicus*, 2018.