LIČNE INFORMACIJE

Đorđe Đatkov

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Pol Muški | Datum rođenja 30/07/1982 | Državljanstvo Srpsko

ZVANJE

Vanredni profesor

RADNO ISKUSTVO

01.04.2019. – danas
Vanredni profesor
Fakultet tehničkih nauka Novi Sad
- nastava / istraživanje

01.04.2014. – 31.03.2019.
Docent
Fakultet tehničkih nauka Novi Sad
- nastava / istraživanje

25.05.2011. – 31.03.2014.
Asistent
Fakultet tehničkih nauka Novi Sad
- nastava / istraživanje

15.06.2010. – 24.05.2011.
Saradnik u nastavi
Fakultet tehničkih nauka Novi Sad
- nastava / istraživanje

01.01.2007. – 14.06.2010.
Istraživač pripravnik
Fakultet tehničkih nauka Novi Sad
- istraživanje

OBRAZOVANjE I OBUKE

01.06.2015. – 31.05.2016.
Postdoktorsko usavršavanje
Tehnički univerzitet Hamburg, Nemačka
- Istraživački boravak u okviru Humboldt stipendije

01.01.2007. – 23.09.2013.
Doktorske studije
Fakultet tehničkih nauka Novi Sad
Studijski program: Mašinstvo

01.10.2001. – 06.10.2006.
Master integrisane studije
Fakultet tehničkih nauka Novi Sad
Studijski program: Energetika i procesna tehnika – Toplotna tehnika

LIČNE VEŠTINE

Maternji jezik: Srpski

Drugi jezici

	RAZUMEVANJE		GOVOR		PISANJE
	Slušanje	Čitanje	Usmena interakcija	Usmeno izražavanje	
Engleski	C1	C1	C1	B2	C1
	–				
Nemački	C1	C1	C1	B2	B2
	–				

Nivoi: A1/2: Osnovna upotreba jezika - B1/B2: Samostalna upotreba jezika - C1/C2 Napredna upotreba jezika
Zajednički evropski referentni okvir za jezike

Digitalne veštine

SAMOPROCENA				
Obrada informacija	Komunikacija	Stvaranje sadržaja	Bezbednost	Rešavanje problema
Napredna upotreba	Napredna upotreba	Napredna upotreba	Samostalna upotreba	Samostalna upotreba

Nivoi: Osnovna upotreba - Samostalna upotreba - Napredna upotreba
Digitalne kompetencije – tabela za samoprocenu

–

Vozačka dozvola: B kategorija

DODATNE INFORMACIJE

Članstva
- Udruženje Biogas Srbija

Citiranost
- 40 (31 heterocitata)

PRILOZI

- Lista objavljenih naučnih radova;
- Lista učešća na projektima.

Lista objavljenih naučnih radova

1. Nesterovic A, **Djatkov Dj**, Viskovic M, Martinov M. 2021. Airborne emissions from agricultural biomass combustion in the City of Novi Sad. In Proc. *48th International Symposium on Agricultural Engineering: Actual Tasks on Agricultural Engineering*, Zagreb, Croatia, 2nd– 4th March 2021, 473 – 482.
2. **Djatkov Dj**, Nesterovic A, Viskovic M, Martinov M, Kaltschmitt M. 2021. Profitability of corn cob utilization as a fuel in small residential heating appliances. *Thermal Science* 25(4A): 2471-2482. *doi.org/10.2298/TSCI200508221D*.
3. Gu J, Liu R, Cheng Y, Stanisavljevic N, Li L, **Djatkov Dj**, Peng X, Wang X. 2020. Anaerobic co-digestion of food waste and sewage sludge under mesophilic and thermophilic conditions: Focusing on synergistic effects on methane production. *Bioresource Technology* (301): 122765. *doi.org/10.1016/j.biortech.2020.122765*.
4. Zezelj B, Maksimovic R, Todorovic T, **Djatkov Dj**. 2020. Analysis of the Possibilities for Using Renewable Energy Sources in the Autonomous Province of Vojvodina. *Sustainability* (12): 5645. *doi:10.3390/su12145645*.
5. Martinov M, Scarlat N, **Djatkov Dj**, Dallemand J.F, Viskovic M, Zezelj B. 2020. Assessing sustainable biogas potentials - case study for Serbia. *Biomass Conversion and Biorefinery* 10(2): 367-381. *doi.org/10.1007/s13399-019-00495-1*.
6. Martinov M, **Djatkov Dj**, Bojic S, Viskovic M. 2020. Serbian Agriculture, Agricultural Engineering – Past and Future. *Agricultural mechanization in Asia, Africa, and Latin America* 51(4): 82-83.
7. Martinov M, **Djatkov Dj**, Viskovic M. 2019. Potentials of crops residues – A case study for the province Vojvodina. *Die Bodenkultur: Journal of Land Management, Food and Environment* 70(3): 181-188.
8. Viskovic M, **Djatkov Dj**, Martinov M. 2018. Corn stover collection prior to biogas production – Evaluation of greenhouse gas emissions. *Journal of Cleaner Production* 199: 383-390.
9. Martinov M, Schulze Lammers P, **Djatkov Dj**, Viskovic M. 2018. Study on Lignocellulosic Bioethanol Production in Serbia - Prospects and Constraints. In *Proc. ASABE 2018 Annual International Meeting*, Paper No.: 1800433. Detroit, Michigan, July 29th-August 1st, 2018.
10. **Djatkov Dj**, Martinov M, Kaltschmitt M. 2018. Influencing parameters on mechanical–physical properties of pellet fuel made from corn harvest residues. *Biomass and Bioenergy* 119: 418-428.
11. Bojic S., Martinov M, Brcanov D, **Djatkov Dj**, Gerorgijevic M. 2018. Location problem of lignocellulosic bioethanol plant - Case study of Serbia. *Journal of Cleaner Production*, 172: 971-979.
12. **Djatkov Dj**, Effenberger M, Martinov M. 2014. Method for assessing and improving the efficiency of agricultural biogas plants based on fuzzy logic and expert systems. *Applied Energy* 134: 163-175.
13. **Djatkov Dj**, Effenberger M, Lehner A, Martinov M, Tesic M, Gronauer A. 2012. New method for assessing the performance of agricultural biogas plants. *Renewable Energy* 40(1): 104-112.
14. Viskovic M, **Djatkov Dj**, Martinov M. 2017. Sustainability of biogas production and utilisation – case studies. In Proc. *45th International Symposium on Agricultural Engineering: Actual Tasks on Agricultural Engineering*, 407-415. Opatija, 21st-24th February.
15. Hijazi O, **Djatkov Dj**, Effenberger M. 2017. Calculating greenhouse gas mitigation from the utilization of biogas for combined heat-and-power production. In Proc. *45th International Symposium on Agricultural Engineering: Actual Tasks on Agricultural Engineering*, 427-435. Opatija, 21st-24th February.
16. Golub M, Martinov M, Bojic S, Viskovic M, **Djatkov Dj**, Dragutinovic G, Dallemand J.F. 2016. Investigation on Possibilities for Sustainable Provision of Corn Stover as an Energy Source: Case Study for Vojvodina. *Agricultural mechanization in Asia, Africa, and Latin America* 47(4): 8-15.
17. **Djatkov Dj**, Viskovic M, Rajcetic J, Golub M, Martinov M. 2015. Investigation on possibilities of biomethane production from corn stover in Vojvodina. In Proc. *43rd International Symposium Agricultural Engineering: Actual Tasks on Agricultural Engineering*, 635-644. Opatija, 24th-27th February.
18. **Djatkov Dj**, Viskovic M, Golub M, Bojic S, Martinov M. 2014. Potentials, opportunities and barriers for biogas production and utilization in Autonomous Province of Vojvodina. In Proc. *42nd International Symposium Agricultural Engineering: Actual Tasks on Agricultural Engineering*, 415-425. Opatija, 25th-28th February.
19. Bojic S, **Djatkov Dj**, Brcanov D, Georgijevic M, Martinov M. 2013. Location allocation of solid biomass power plants: Case study of Vojvodina. *Renewable and Sustainable Energy Reviews* 26: 769-775.

20. Golub M, Bojic S, **Djatkov Dj**, Mickovic G, Martinov M. 2012. Corn stover harvesting for renewable energy and residual soil effects. *Agricultural mechanization in Asia, Africa, and Latin America* 43(4): 72-79.
21. **Djatkov Dj**, Effenberger M, Martinov M. 2012. Development of a method for assessing the performance of agricultural biogas plants. In Proc. *40th International Symposium: Actual Tasks on Agricultural Engineering*, 557-567. Opatija, Hrvatska, 21st-24th February.
22. Martinov M, Veselinov V, Bojic S, Djatkov Dj. 2011. Investigation of maize cobs crushing – preparation for use as a fuel. *Thermal Science* 15(1): 235-243.
23. Effenberger M, **Djatkov Dj**. 2011. Monitoring and assessing the performance of agricultural biogas plants. In Proc. *39th International Symposium: Actual Tasks on Agricultural Engineering*, 201-210. Opatija, Hrvatska, 22nd-25th February.
24. Martinov M, **Djatkov Dj**, Tešić M, Effenberger M. 2009. Energy from biogas in Serbia – Case study Autonomous Province Vojvodina. In Proc. *Fourth conference: Energy efficiency and agricultural engineering*, 785-789. Rousse, Bulgaria, 1-3 October.
25. Tesic M, **Djatkov Dj**, Effenberger M, Martinov M. 2009. Potenziale der Biogasproduktion in der serbischen Provinz Wojwodina und Grundlagen der Wirtschaftlichen Begründetheit. In Proc. *International Scientific Conference: Biogas Science 2009 (science meets practice)*, 437-446. Erding, Deutschland, 2-4 Dezember.
26. **Djatkov Dj**, Effenberger M, Lehner A, Gronauer A. 2009. Assessing the overall efficiency of Bavarian pilot biogas plants. In Proc. *International Scientific Conference: Biogas Science 2009 (science meets practice)*, 707-716. Erding, Germany, 2-4 December.
27. Viskovic M, **Djatkov Dj**, Martinov M. 2016. Corn stover as a biogas substrate – sustainability in terms of GHG emission saving. In Proc. *Biogas Science 2016*, Szeged, Hungary, 21st -24th August, Book of Abstracts, 59.
28. Vasiljević Sanja, Karagić Đ, Martinov M, **Djatkov Dj**, Pržulj N, Denčić S, Živanov D, Milošević B. 2014. Potential of biogas production by using winter pea mixtures with triticale and oat. In Proc. *EUCARPIA Cereals Section – ITMI Joint Conference, Book of abstracts: Cereals for Food, Feed and Fuel – Challenge for Global Improvement*, 347. Wernigerode, June 29th-4th July.
29. Effenberger M, Buschmann A, Schober J, **Djatkov Dj**. 2014. Webbasierte Schwachstellenanalyse an landwirtschaftlichen Biogasanlagen. *Landtechnik* 69(2): 90-96.
30. **Djatkov Dj**, Effenberger M, Gronauer A. 2010. Vergleich der Prozesseffizienz in Biogasanlagen: Anwendung der Data Envelopment Analysis (DEA). *Landtechnik* 65(2): 132-135.
31. **Djatkov Dj**, Effenberger M. 2010. Data Envelopment Analysis for assessing the efficiency of biogas plants: capabilities and limitations. *Journal on Processing and Energy in Agriculture (former PTEP)* 14(3-4): 49-53.
32. Effenberger M, Lehner A, **Djatkov Dj**, Gronauer A. 2009. Performance figures of Bavarian agricultural biogas plants. *Contemporary Agricultural Engineering* 35(4): 219-227.
33. **Djatkov Dj**, Effenberger M, Lehner A, Gronauer A. 2009. Assessing the overall efficiency of biogas plants by means of Data Envelopment Analysis (DEA). *PTEP* 13(2): 139-142.
34. Effenberger M, **Djatkov Dj**, Ebertseder F, Kissel R. 2012. Bayerische Pilotbetriebe zur Biogasproduktion – Ergebnisse aus fünf Jahren Monitoring. In Proc. *Landestechnische Jahrestagung: Energiewende und Landwirtschaft*, 45-52. Bad Staffelstein, Deutschland.
35. **Djatkov Dj**, Effenberger M, Lehner A, Gronauer A. 2009. Untersuchungen zur Effizienz der Bayerischen Biogas-Pilotanlagen mittels Data Envelopment Analysis. In Proc. *18. Symposium: BIOENERGIE – Festbrennstoffe*, Biokraftstoffe, Biogas, 184-188. Kloster Banz- Bad Staffelstein, Deutschland, 19-20 November.

Lista učešća na projektima

Period	Mesto	Finansijer / kontakt osoba	Opis
2020-2022	Serbia, Germany	European Climate Initiative ("EUKI") 2020 Bavarian State Research Center for Agriculture (LfL) Dr.-Ing. Mathias Effenberger mathias.effenberger@LfL.bayern.de	Projekat: Initiative on small biogas facilities for manure to attain GHG mitigation in agriculture (20_073_Biogas initiative)
2020-2021	Serbia, Western Balkan	European Commission Joint Research Center JRC.C.5- Air and Climate Unit, Ispra Elisabetta Vignati elisabetta.vignati@jrc.ec.europa.eu	Projekat: Status of environment and climate in the Western Balkans
2018-2019	Srbija, Nemačka	Deutsche Bundesstiftung Umwelt (DBU) TU Hamburg, Prof. Dr. Martin Kaltschmitt Kaltschmitt@tuhh.de	Projekat: Mobilization of corn cobs as energy source and improvement of heat generators concerning environmental impacts
2018-2021	Srbija, Dunavski region	EU Commission Danube Transnational Programme Gilda Nicolescu programe@adrmuntenia.ro	Projekat: Transnational Cluster Cooperation active on Agro-Food, based on Smart Specialization Approach in the Danube region (Danube S3 Cluster)
2017-2019	Srbija, Dunavski region	EU Commission Danube Transnational Programme Daniela Chiran chiran@steinbeis-europa.de	Projekat: Transnational Cooperation to Transform Knowledge into Marketable Products and Services for the Danubian Sustainable Society of Tomorrow (Made in Danube)
2016	Novi Sad	CEI (Central European Initiative) Giovanni Caracciolo di Vietri cei@cei.int	Projekat: LCA – GHG emissions of RES production and utilization in Serbia (RESEnviro)
2015	Beograd	GIZ (Deutsche Gesellschaft für internationale Zusammenarbeit) Thomas Mitschke thomas.mitschke@giz.de	Projekat: Scientific report for the incorporation of dry agro-biomass straw residues and poultry manure as an alternative biogas substrate
2014	Novi Sad	Pokrajinski sekretarijaz za visoko obrazovanje i naučnoistraživačku delatnost Prof. dr Zoran Milošević zoran.milosevic@vojvodina.gov.rs	Kratkoročni projekat: Razvoj malih biogas postrojenja – doprinos održivom razvoju ruralnih oblasti u AP Vojvodini
2014	Beograd	GIZ (Deutsche Gesellschaft für internationale Zusammenarbeit) Olivera Antić olivera.antic@giz.de	Projekat: Potential of waste and residues from agriculture in five underdeveloped municipalities in Serbia and opportunity for its utilization (part of IMPACT project)
2012- 2013	Novi Sad	Grad Novi Sad, Gradska uprava za zaštitu životne sredine janja.lukac@uprava.novisad.rs	Studija: Potencijali za proizvodnju biogasa u Novom Sadu i doprinos zaštiti životne sredine
2012	Novi Sad	Pokrajinski sekretarijat za energetiku i mineralne sirovine Radoslav Striković Radoslav.Strikovic@vojvodina.gov.rs	Studija: Biogas postrojenje – uputstvo za izradu prethodnih studija opravdanosti sa primerom za jedno biogas postrojenje
2011- do sada	Beograd	Ministrarstvo prosvete, nauke i tehnološkog razvoja Dr. Branislav Repic brepic@vin.bg.ac.rs	Projekat: Razvoj i unapređenje tehnologija za energetski efikasno korišćenje više formi poljoprivredne i šumske biomase na ekološki prihvatljiv način uz mogućnost kogeneracije
2011- 2013	Novi Sad/ Segedin	IPA CBC Hungary-Serbia University of Szeged Prof. Dr. Kornel Kovacs kornel@brc.hu	Projekat: Establishing the cross-border development of biogas industry via joint determination of biogas potentials, education, research and innovation.
2008- 2013	Freising, Nemačka	Institute of Agricultural Engineering and Animal Husbandry Dr. Ing. Mathias Effenberger mathias.effenberger@lfl.bayern.de	Bilateralni projekat Nemačka-Srbija: Benchmarksystem für Biogasanlagen. Istraživanje vezano za izradu doktorske disertacije.
2010- 2011	Novi Sad	Pokrajinski sekretarijat za energetiku i mineralne sirovine Radoslav Striković Radoslav.Strikovic@vojvodina.gov.rs	Studija: Studija o proceni ukupnih potencijala i mogućnostima proizvodnje i korišćenja biogasa na teritoriji AP Vojvodine.
2008- 2009	Freising, Nemačka	DAAD Institute of Agricultural Engineering and Animal Husbandry Dr. Ing. Mathias Effenberger mathias.effenberger@lfl.bayern.de	Istraživački boravak: DAAD stipendista. Tema je bila ocena i poboljšanje efikasnosti poljoprivrednih biogas postrojenja. Istraživanje vezano za izradu doktorske disertacije.
2009	Beograd	Jefferson Institute Biljana Presnall bpresnall@jeffersoninst.org	Studija: Solid, liquid and gaseous biomass potentials, practice and energy utilization in Serbia.