

## **Dr. Dejana Jakovljević**

**Research Associate, Geographical Institute "Jovan Cvijić" SASA**

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### **Broad area of Specialization**

Geography, Physical Geography

### **Research Expertise**

Hydrology, Environmental science (water protection)

### **Education**

- Doctoral study: Faculty of Geography, University of Belgrade, PhD Topic ("*Geo-ecological determinants of running waters protection and revitalization for sustainable development of the Autonomous Province of Vojvodina*"), October 2015 (Doctor of Geography)
- Master study: Association of Centers for Interdisciplinary and Multidisciplinary Studies and Research, University of Novi Sad, M.Sc. Topic ("*Characteristics and potential of hydro – engineering system Danube – Tisa – Danube in Backa*"), April 2008 (Master of Science in Interdisciplinary Field Engineering for Environmental Protection)
- Graduate study: Faculty of Sciences, Department for Geography, Tourism and Hotel Management, University of Novi Sad, October 2004 (Geography teacher).

### **Employment**

- Geographical Institute "Jovan Cvijić", SASA, Belgrade, from November 2011

### **Chapters in monographs**

1. **Jakovljević, D.**, Milanović Pešić A., & Milijašević Joksimović, D. (2021). Protection from harmful effects of water — examples from Serbia. In P. Samui, H. Bonakdari & R. Deo (Eds.), *Water Engineering Modeling and Mathematic Tools* (pp. 157–175). Amsterdam, Netherlands; Oxford, UK, & Cambridge, MA, USA: Elsevier.
2. Milanović Pešić A, **Jakovljević, D.**, & Milijašević Joksimović, D. (2020). Water Resources Management in Serbia. In A. Milanović Pešić & D. Jakovljević (Eds.) *Water Resources Management: Methods, Applications and Challenges* (pp. 231–299). New York, NY: Nova Science Publishers, Inc.
3. Urošev, M., Kovačević-Majkić, J., Štrbac, D., Milanović Pešić, A., Milijašević, D., Jakovljević, D., Petrović A. (2017). Water of Serbia (Vode Srbije) In M. Radovanović (Ed.), *Geography of Serbia (Geografija Srbije)* (160–235), Special Editions, 91. Belgrade: Geographical Institute "Jovan Cvijić" SASA (in Serbian)

### **Published articles in International Journals**

1. **Jakovljević, D.**, Milanović Pešić, A., Milijašević Joksimović, D. (2019). Water Resources Management Issues in the Danube River Basin District — Examples from Serbia, *Water Resources*, 46(2), 286–295, <https://doi.org/10.1134/S0097807819020039>

2. Radovanović, M. M., Vyklyk, Y., Stevančević, M. T., Milenković, M. Đ., **Jakovljević, D. M.**, Petrović, M. D., Malinović-Milićević, S. B., Vuković, N., Vujko, A. Đ., Yamashkin, A., Sydor, P., Vuković, D. B., Škoda, M. (2019). Forest fires in Portugal – Case study, 18 June, 2017, *Thermal Science*, 23(1), 73–86, <https://doi.org/10.2298/TSCI180803251R>
3. Vyklyk, Y., Radovanović, M., Stanojević, G., Milovanović, B., Leko, T., Milenković, M., Petrović, M., Yamashkin A. A., Milanović Pešić, A., **Jakovljević, D.**, Malinović Milićević, S. (2018). Hurricane genesis modelling based on the relationship between solar activity and hurricanes II, *Journal of Atmospheric and Solar-Terrestrial Physics*, 180, 159–164. <http://dx.doi.org/10.1016/j.jastp.2017.09.008>
4. Vyklyk, Y., Radovanović, M., Milovanović, B., Leko, T., Milenković, M., Milošević, Z., Milanović Pešić, A., **Jakovljević, D.** (2017). Hurricane genesis modelling based on the relationship between solar activity and hurricanes, *Natural Hazards*, 85, 1043–1062. <https://doi.org/10.1007/s11069-016-2620-6>
5. Pavić, D., **Jakovljević, D.**, Krajić, A. (2016). Local Reactions Concerning Serbia's Obedska Bara Nature Reserve, *Polish Journal of Environmental studies*, 25(1), 273–282, DOI: 10.15244/pjoes/60501. <https://doi.org/10.15244/pjoes/60501>
6. Walker, D., **Jakovljević, D.**, Savić, D., Radovanović, M. (2015). Multi-criterion water quality analysis of the Danube River in Serbia: A visualisation approach. *Water Research*, 79, 158 – 172. <http://dx.doi.org/10.1016/j.watres.2015.03.020>
7. **Jakovljević, D.**, Lozanov-Crvenković, Z. (2015). Water quality changes after Kraljevo earthquake in 2010. *Natural Hazards* 79(3), 2033–2053. <https://doi.org/10.1007/s11069-015-1943-z>
8. Radovanović, M. M., Vyklyuk, Y., Malinović-Milićević, S. B., **Jakovljević, D. M.**, Pecelj, M. R. (2015). Modelling of forest fires time evolution in the USA on the basis of long term variations and dynamics of the temperature of the solar wind protons, *Thermal Science*, 19(2), S437-S444. <https://doi.org/10.2298/TSCI141103150R>
9. **Jakovljević, D.** (2009). Water protection and using in Vojvodina. *Acta Facultatis Ecologiae*, 21, 35–39 [https://fee.tuzvo.sk/sites/default/files/afe\\_21-2009.pdf](https://fee.tuzvo.sk/sites/default/files/afe_21-2009.pdf)

#### Published articles in National Journal

1. **Jakovljević, D.** (2021). The Geography of Serbia — Nature, People, Economy. *Journal of the Geographical Institute "Jovan Cvijić" SASA*, 71(3), 333–340. <https://doi.org/10.2298/IJGI2103333J>
2. **Jakovljević, D.** (2020). Assessment of water quality during the floods in May, 2014, Serbia. *Journal of the Geographical Institute "Jovan Cvijić" SASA*, 70(3), 215–226. <https://doi.org/10.2298/IJGI2003215J>
3. Verbitskaya, N., Vuković, D., Mehrentsev, A., **Jakovljević, D.**, Vujko, A. (2018) Cube Online Analytical Model (COLAM) in the river shipping logistic forecasting. *Journal of the Geographical Institute "Jovan Cvijić" SASA*, 68(2), 297–304. <https://doi.org/10.2298/IJGI1802297V>
4. **Jakovljević, D.** (2012). Serbian and Canadian Water Quality Index of Danube River in Serbia in 2010. *Journal of the Geographical Institute "Jovan Cvijić" SASA*, 62(3), 1–18. <https://doi.org/10.2298/IJGI1203001J>

#### Published articles in International Conferences

1. **Jakovljević, D.** (2019). Water pollution and possible solutions in AP Vojvodina (Serbia). Proceedings of International Scientific Symposium "New Trends in

Geography" 70 years of Macedonian Geographical Society, 3–4 October, 2019, Ohrid, North Macedonia, pp. 111–121.

2. **Jakovljević, D.** (2018). Water quality issues — Examples from Serbia. Book of Abstracts of The International Scientific Conference "Smart Geography" 100 years Bulgarian Geographical Society, 2–4 November, 2018, Sofia, Bulgaria, pp. 29–33.
3. Milanović Pešić, A., **Jakovljević, D.**, Radovanović, M. (2017). Water supply issues in Serbia. Materials from the International Scientific-Practical Conference Water Resources, Hydraulic Facilities and Environment, dedicated to the 100<sup>th</sup> Anniversary of Shollar-Baku Water Plants, 15–16 March 2017, Baku, Azerbaijan, pp. 450–454. <http://www.sukanal.az/wp-content/uploads/2017/04/Shollar-100-1.pdf>
4. **Jakovljević, D.**, Radovanović, M., Savić, D., Walker, D. (2016). Transboundary eco-hydrological issues in the Danube River Basin District — Case study from Serbia. Proceedings of the Baikal international ecological forum "Clean Planet", October 2-3, 2015, Irkutsk (Russia), pp. 19-26. <http://www.irigs.irk.ru/download/CleanPlanet.pdf#page=19>
5. **Jakovljević, D.** (2014). Surface and groundwater protection. Report of the first International V4 Alumni Achievement Conference under the umbrella of the Hungarian Presidency of the Visegrad Group, November 29, 2013. Budapest, pp. 50–51.
6. Krajić, A., **Jakovljević, D.**, Lozovanu, D. (2012). Climate Characteristics of Special Nature Reserve "Obedska Bara" (Serbia). *Lucrările Seminarului "Dimitrie Cantemir"*, 33, pp. 5–18. <http://www.seminarcantemir.uaic.ro/index.php/cantemir/article/view/854/834>
7. **Jakovljević, D.** (2008). Protected areas in the Danube River Basin District in Serbia. International Conference "Protected areas in function of sustainable development", 6–8 November 2008, Bihać, Bosnia and Herzegovina, Proceedings, pp. 89–109 (in Serbian).
8. **Jakovljević, D.** (2008). Significant pressures in the Danube River Basin District in Serbia. Second congress of geographers of Bosnia and Herzegovina, 8–11 October 2008, Neum, Bosnia and Herzegovina, Proceedings, pp. 543–552 (in Serbian).
9. **Jakovljević, D.** (2008). Water quality of Hydro-engineering system Danube-Tisa-Danube. 11<sup>th</sup> International Conference ICDQM "Dependability and Quality management", 18–19 June 2008, Belgrade, Serbia, Proceedings, pp. 328–335 (in Serbian).

#### List of Projects

1. 2011–2016. The Geography of Serbia (47007 — *The Ministry of Sciences and Technological Development, Republic of Serbia*)
2. 2008–2010. The Geo-systemic Basis of the Spatial-Functional Organization of the Republic of Serbia (146010 — *The Ministry of Sciences and Technological Development Republic of Serbia*)
3. 2007–2008. Production and building by use of low energy natural building materials (283006 — *The Ministry of Sciences and Technological Development Republic of Serbia*)
4. 2005–2007. Geographic information system of water resources management in Serbia (410038 — *The Ministry of Sciences and Technological Development Republic of Serbia*)

## **Reviewer**

### *Journals*

Thermal Sciences, Wetlands, European Journal of Geography, Scientific Research and Essays, Journal of Environmental Research and Management, Earth Science Research, Journal of the Geographical Institute "Jovan Cvijić" SASA, Bulletin of the Serbian Geographical Society

### *Chapter in monograph*

*The Lower Danube River. Hydro-environmental Issues and Sustainability*, Springer

### *Monograph*

*Torrential Floods in Serbia (Bujične poplave u Srbiji)*, Serbian Geographical Society, Belgrade (in Serbian)

## **Editor of the publications**

1. Milanović Pešić A, **Jakovljević, D.** (Eds.) (2020). *Water Resources Management: Methods, Applications and Challenges*. New York, NY: Nova Science Publishers, Inc. <https://novapublishers.com/shop/water-resources-management-methods-applications-and-challenges/>
2. Technical Editor, Journal of the Geographical Institute "Jovan Cvijić" SASA, 2015–2017

## **Scholarships**

Postdoctoral Research Fellowship at the Russian Institute for Advanced Studies (RIAS), Moscow State Pedagogical University, 2018

Scholarship from International Visegrad Fund, Technical University in Zvolen, Faculty of Ecology and Environmental Sciences, 2009–2010.

## **Miscellaneous**

Participation in conference *Water, Air, Energy (Voda, Vazduh, Energija)*, Panel *Water (Voda)* in organization of the *National Geographic Srbija*, Museum of Science and Technology, Belgrade, 3rd December, 2021 (in Serbian) <https://www.youtube.com/watch?v=NAV-xgUH6zI>

Lecturer at the cycle of lectures *Smart cities and sustainable healthy settlements — Technologies and risks*, in organization of the Museum of Science and Technology, with the theme: *The water crisis — Challenge for the world and Serbia*, Belgrade, 30th November 2015 (in Serbian).