

## **PhD Stefana Matović**

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## **Broad area of Specialization**

Geography

## **Research Expertise**

Social Geography, Sustainable Development, Socio-economic Research

## **Membership of Professional Bodies**

The Serbian Geographical Society

EUROGEO (European Association of Geographers: Eurogeography)

## **Education**

–Doctoral study: The University of Belgrade Faculty of Forestry, the Department of Environmental Engineering in the protection of soil and water resources 2010-2016 (Thesis: The influence of anthropogenic factors on the intensity of erosion in Southeastern Serbia).

–Master study: The University of Belgrade Faculty of Geography, Department of Geography, 2009-2010 (Thesis: The surface water quality of the lower part of Velika Morava River).

–Graduate study: The University of Belgrade Faculty of Geography, Department of Geography, 2005-2009.

## **Employment**

–2017 - till date, Research Associate, Geographical Institute “Jovan Cvijić“ SASA, Belgrade

–2013-2017, Research Assistant, Geographical Institute “Jovan Cvijić“ SASA, Belgrade

–2013, Research Assistant, The University of Belgrade Faculty of Forestry

–2012-2013, Junior Researcher, The University of Belgrade Faculty of Forestry

–2010, Teaching Associate, The University of Belgrade Faculty of Geography.

## **Published articles in National Journals**

1. Lovic Obradovic, S., Matovic, S. (2018). Spatial demographic inequalities and regional development in Serbia. R-economy, 4(3), 88-94. doi: 10.15826/recon.2018.4.3.013
2. Babović, S., Lović Obradović, S., Prigunova I. (2016). Depopulation of villages in southeastern Serbia as hindrance to economic development. Journal of the Geographical institute “Jovan Cvijić” SASA, 66(1), pp. 61-74. ISSN 0350-7599 [http://www.gi.sanu.ac.rs/site/media/com\\_form2content/documents/c21/a384/f756/005\\_%20Babovic.pdf](http://www.gi.sanu.ac.rs/site/media/com_form2content/documents/c21/a384/f756/005_%20Babovic.pdf)

3. Babović, S., Lović Obradović, S., Radovanović, M. (2016). Foreign Direct Investments in Serbia as a Form of Cross-border Cooperation. *Forum geografic*, XV (2), p. 189-194. <http://forumgeografic.ro/wp-content/uploads/2016/2/Babovic.pdf>
4. Babović, S. (2012). Classification of the river into rows and its dependence on scale on the map on the River Lepenica case. *Glasnik*, 92(4),113125. ISSN0350-3593 <http://www.doiserbia.nb.rs/img/doi/0350-3593/2012/0350-35931204113B.pdf>
5. Babović, S., Zlatić, M. (2012). Socio-demographic changes in the Tegosnica basin as a factor of the erosion intensity changing (in Serbian). *Erozija*, 38, 74-85. ISSN 0350-9648, [http://www.udruzenjebujicara.com/images/stories/casopis\\_erozija/Erozija\\_38.pdf](http://www.udruzenjebujicara.com/images/stories/casopis_erozija/Erozija_38.pdf)

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

1. Demirović Bajrami, D., Đervida, R., Radosavac, A., Vuksanović, N. and Matović, S. (2025), "What makes tourists go green? A multidimensional exploration of pro-environmental behavior predictors", *Journal of Hospitality and Tourism Insights*, Vol. ahead-of-print No. ahead-of-print. <https://doi.org/10.1108/JHTI-09-2024-0972>
2. Matović, S., Demirović Bajrami, D., Gajić, T., Lakić, M., Martinov, D., Šuput, S., Radosavac, A., & Đervida, R. (2024). Beyond Numbers: Challenges in Measuring SDG4 Targets—Serbia’s Perspective. *Sustainability*, 16(22), 10006. <https://doi.org/10.3390/su162210006>.
3. Gajić T., Vukolić, D., Bugarčić, J., Đoković, F., Spasojević, A., Knežević, S., Đorđević Boljanović, J., Glišić, S., Matović, S., Lorant Denes, D. (2024). The Adoption of Artificial Intelligence in Serbian Hospitality: A Potential Path to Sustainable Practice. *Sustainability*, 16, 3172. <https://doi.org/10.3390/su16083172>
4. Lovic Obradovic S., Rabiei-Dastjerdi, R., Matovic, S. (2022). Identifying spatiotemporal variability of traffic accident mortality. Evidence from the City of Belgrade, Serbia. *Central European Journal of Geography and Sustainable Development*, 4(2), 78-93. <https://doi.org/10.47246/CEJGSD.2022.4.2.5>
5. Lovic Obradovic S., Matovic, S., Rabiei-Dastjerdi, R., Matthews, S. (2022). An ecological study of vulnerability to COVID-19 in Serbia - using Hotspot Analysis for Evidence-Based Population Health Policy. *Forum geografic*, XXI(1), 71-82. <http://dx.doi.org/10.5775/fg.2022.103.i>
6. Lovic Obradovic S., Rabiei-Dastjerdi, R., Matovic, S. (2022). A population-based spatio-temporal analysis of the early COVID-19 dynamic in Serbia. *Stanovništvo*, 60(1), 1-17. <https://doi.org/10.2298/STNV2201001L>
7. Matovic, S., Lovic Obradovic, S. (2021). Assessing socio-economic vulnerability aiming for sustainable development in Serbia. *International Journal of Sustainable Development & World Ecology*, 19(1), 27-38. DOI: 10.1080/13504509.2021.1907629

8. Lović Obradović, S., Babović, S. Shpak N. (2016). Serbia and Russia on the demographic map of Europe two decades after the fall of communism. *Trames*, 20(1), 59-73 ISSN 1736-7514 (electronic), ISSN 1406-0922 (print)

### **International Conferences**

1. Lović Obradović, S., Matović, S., Popović, T. (2024). Exploring the potential of tourism in revitalizing population-shrinking areas. Ed. Pavlenko, I. G. Book of proceedings of XII International scientific-practical conference „Inovative aspects of the development service and tourism“. Stavropol State Agrarian University, Faculty of Social and Cultural Service and Tourism, pp. 17-23. ISBN: 978-5-9596-1980-0
2. Lović Obradović, S., Matović, S., Jovanović J. (2024). Temporal analysis of the leading causes of death in the Serbian population: insights from joint regression analysis. Voronezh, Russia, 23-25 May 2024, Tom 1, 232-242. ISBN 978-5-907669-61-1
3. Matović, S., Lović Obradović, S. & Borović, V. (2024). Sustainable development goals achievement – comparison between Serbia and Finland. III International demographic forum "Demography and global challenges", Voronezh, 23-25 May 2024, Russia, Tom 1, 166-179. ISBN 978-5-907669-61-1
4. Matovic, S., Lovic Obradovic, S. (2023). Gender inequalities of the past hinder sustainable development today. International conference "Information society and sustainable development" - ISSD 2023, Valleta, Malta, April, 27-28, 2023, 263-271.
5. Lovic Obradovic, S., Matovic. S., Stevanovic., M. (2023). Effect of traffic safety measures on different age-sex categories of drivers. Step forward or backward from the sustainable development goals in Serbia? International conference "Information society and sustainable development" - ISSD 2023, Valleta, Malta, April, 27-28, 2023, 72-280.
6. Lovic Obradovic, S., Matovic, S., Filipovic, M. (2021). Spatial-demographic patterns of the population infected with COVID-19 in Serbia in early stage. International Demographic Forum “Demography and Global Challenges” Voronezh, Russia, 30 September - 2 October, 722-726 ISBN 978-5-907283-71-8
7. Babović, S., Lović Obradović, S., Radovanović, M. & Babović, I. (2017). The influence of migration on asylum law changes. *Information technologies, economics and law: state and development perspectives*, 27-28 April 2017, Chernivtsi, Ukraine, pp. 41-43
8. Lović Obradović, S., Babović, S., M. Radovanović. (2017). The impact of population change on environmental policy making. *Рациональное природопользование: традиции и инновации*, Moscow, Russia, 17-18 November, 9-12. ISBN 978-5-91304-777-9
9. Dragičević, S., Martinović, M., Sibinović, M., Novković, I., Tošić, R., Babović, S. (2012). Recent changes of the erosion intensity caused by socio-demographic and land use changes (case study: Knjaževac municipality, Serbia). *Challenges: Sustainable Land Management – Climate Change, Advances in GeoEcology* 43, 271-286.

10. Babović, S., Zlatić, M. (2013). Interrelations of socio-economic characteristics and intensity of erosion in the torrential catchment of the Mlakačka River. Poster presentation. COST – Annual Progress Conference, 25-26 March 2013, Madrid, Spain.
11. Babović, S. (2013). Potential for the development of cultural tourism in Dimitrovgrad municipality, Cultural Corridor Via Diagonalis – Cultural Tourism Without Boundaries, Sofia and Belgrade, 3-6 October 2013, 126-130.
12. Vuković, D., Radovanović, M., Babović, S., Lukić, D., Malinović, S. 2014. Ecotourism Impact Model. Geoh heritage and eco-tourism. Proceedings of the International Scientific and Practical Conference, Ulan-Ude-Gremyachinsk, (Russia), 25-27 August, p. 202-207.
13. Živković, N., Dragičević, S., Đokić, M., Simić, S., Babović S. 2014. Reliability of Displaying Runoff Isolines in the Example of Jošanička River. The third Romanian – Bulgarian – Hungarian – Serbian Conference “Geographical Research and Cross-Border Cooperation within the Lower Basin of the Danube”, Srebrno jezero, Serbia, 18-21. September, 29.
14. Radovanović, M., Aleksandrovič, A.Y., Vuković, D., Babović, S., Malinović-Milićević, S. 2015. Astrophysical analysis of the crash of the Malasyian plane over Ukraine, 23-24 April 2015. Материалы II международной научно-практической конференции “Природные опасности: связь науки и практики”, Saransk (Russia), p. 368-373.
15. Lović Obradović, S., Babović, S. (2016). Cvijić's etnopsihology – the case study of suicides in Europe. 150th anniversary of Jovan Cvijić's birth, 12-14. October 2015., Belgrade, Serbia, 10(1) pp. 497-506 ISBN 978-86-7025-683-5
16. Babović, S., Lović Obradović, S. (2016). Relations between Serbian and Russian orthodox churches at the beginning on the 21st century. Perspektiva, Elbrus, Russia, 22-25 April. pp. 299-305 ISBN 978-5-7558-0570-4
17. Babović, S., Zlatić, M., Kostadinov, S. (2016). Socio-economic influence on the soil erosion intensity in the Panevljanska River watershed. The third world conference of world association of soil and water conservation, August 22-26, Belgrade, Serbia, p.179, ISBN 978-86-7299-249-6
18. Lović Obradović, S, Babović, S, Radovanović, M. (2017). The impact of population change on environmental policy making, „Рациональное природопользование: традиции и инновации “ Географический факультет, Московский государственный университет имени М.В. Ломоносова, Москва, Российская Федерация, 17-18 ноября, p. 9-12.
19. Babović, S., Lović Obradović, S., Radovanović, M., Babović, I. (2017). The influence of migration on asylum law changes. International scientific conference “Information Technologies, Economics and Law: state and development perspectives”,Chernivtsi, Ukraine, 27-28 4, p. 41-43.

### **National Conferences/Seminars**

1. Babović, S. (2010). The Surface Water Quality of the Velika Morava River by SWQI Method (in Serbian). Proceedings of the scientific conference with international

participation „Problems and challenges of modern geographical science and teaching“, 8-10 December 2011, Kopaonik Mountain, Serbia, 495-503.

2. Štrbac, D., Milanović Pešić, A., Babović, S. (2017). Physico-geographical characteristics of the Tara and Golija Mountains areas suitable for reintroduction of deer. Proceedings of abstracts "Deers" from the Expert-Scientific Conference "The First Serbian Consultation with International Participation on Management and Protection of Hunting Fauna: Deer“, Kraljevo, 12th October, 55-56.

#### **A chapter in a book of leading international significance**

1. Matović, S. (2019). Habitat loss. eds. Leal Filho, W., Azul, A. M., Brandli, L., Gökcin Özuyar, P., Wall, T. Climate Action - Encyclopedia of the UN Sustainable Development Goals. Springer, 565-573. Online ISBN 978-3-319-95885-9, Print ISBN 978-3-319-95884-2, [https://link.springer.com/referenceworkentry/10.1007/978-3-319-95885-9\\_57](https://link.springer.com/referenceworkentry/10.1007/978-3-319-95885-9_57)

#### **Chapter in a monograph of leading national significance**

1. Kokotović Kanazir, V., Stojilković Gnjatović, J., Filipović, M., Babović, S., Ivković, M., Lović Obradović, S. (2017) Population of Serbia (in Serbian). In: M. Radovanović (Ed.), Geography of Serbia. (Special editions, book 91, p. 506–565), Geographical Institute “Jovan Cvijić“ SASA, ISBN 978-86-80029-70-2.

#### **A lexicographic unit in a scientific publication of a leading national significance**

1. Babović, S. (2017). Grdelička Gorge (in Serbian). In: A. Milanović Pešić et al. (Ed.), From Jovan Cvijić's notebook - reviews and interpretations (Special editions 94, p. 82-83), SASA и Geographical Institute "Jovan Cvijić" SASA. ISBN: 978-86-7025-724-5 (SASA), ISBN: 978-86-80029-73-3 (GIJC).
2. Babović, S. (2017). Sketch of the abrasion terraces of the Grdelica Gorge (in Serbian). In: A. Milanović Pešić et al. (Ed.), From Jovan Cvijić's notebook - reviews and interpretations (Special editions 94, p. 84-85), SASA и Geographical Institute "Jovan Cvijić" SASA. ISBN: 978-86-7025-724-5 (SASA), ISBN: 978-86-80029-73-3 (GIJC).
3. Babović, S. (2017). Sketch "Morava Valley Profile near Predejane" (in Serbian). In: A. Milanović Pešić et al. (Ed.), From Jovan Cvijić's notebook - reviews and interpretations (Special editions 94, p. 86-87), SASA и Geographical Institute "Jovan Cvijić" SASA. ISBN: 978-86-7025-724-5 (SASA), ISBN: 978-86-80029-73-3 (GIJC).
4. Babović, S. (2017). Sketch of the abrasion terraces of the Južna Morava River under the Deja (in Serbian). In: A. Milanović Pešić et al. (Ed.), From Jovan Cvijić's notebook - reviews and interpretations (Special editions 94, p. 88-89), SASA и Geographical Institute "Jovan Cvijić" SASA. ISBN: 978-86-7025-724-5 (SASA), ISBN: 978-86-80029-73-3 (GIJC).
5. Babović, S. (2017). Croatians (in Serbian). In: A. Milanović Pešić et al. (Ed.), From Jovan Cvijić's notebook - reviews and interpretations (Special editions 94, p. 130-131), SASA и Geographical Institute "Jovan Cvijić" SASA. ISBN: 978-86-7025-724-5 (SASA), ISBN: 978-86-80029-73-3 (GIJC).
6. Babović, S. (2017). Matija Nenadović Archpriest (in Serbian). In: A. Milanović Pešić et al. (Ed.), From Jovan Cvijić's notebook - reviews and interpretations (Special editions 94, p. 186-187), SASA и Geographical Institute "Jovan Cvijić" SASA. ISBN: 978-86-7025-724-5 (SASA), ISBN: 978-86-80029-73-3 (GIJC).
7. Babović, S. (2017). Grand Vožd Đorđe Petrović Karađorđe (in Serbian). In: A. Milanović Pešić et al. (Ed.), From Jovan Cvijić's notebook - reviews and interpretations (Special editions 94, p. 188-189), SASA и Geographical Institute "Jovan Cvijić" SASA. ISBN: 978-86-7025-724-5 (SASA), ISBN: 978-86-80029-73-3 (GIJC).
8. Babović, S. (2017). Dositej Obradović Opinion. (in Serbian). In: A. Milanović Pešić et al. (Ed.), From Jovan Cvijić's notebook - reviews and interpretations (Special editions 94, p. 190-191), SASA и Geographical Institute "Jovan Cvijić" SASA. ISBN: 978-86-7025-724-5 (SASA), ISBN: 978-86-80029-73-3 (GIJC).

### **List of projects**

1. 2011-2019. Research on climate change and its impact on the environment, impact monitoring, adaptation and mitigation (43007), subproject no. 16: "Socio-economic development, mitigation and adaptation to climate change" (Ministry of Education, Science and Technological Development of Republic of Serbia)

2. 2012–2019. Geography of Serbia (47007 – Ministry of Education, Science and Technological Development of Republic of Serbia).

### **Workshops**

Babović took part in Soil Erosion modelling workshop, which was hold in Ispra, Italy, 20-22 March 2017, and organized by JRC of European Commission.

### **International cooperation**

Visit of the Lomonosov Moscow State University within the framework of international cooperation and active participation in field teaching in the scientific-research base Hibini, the peninsula of Kola, Russia.