

Biography

Dr Stefana Matović

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Broad Specialization

Geography

Research Expertise

Human Geography, Sustainable Development, Socio-Economic Research

Professional Memberships

Serbian Geographical Society

EUROGEO (European Association of Geographers: Eurogeography)

Образовање

- Doctoral Studies: University of Belgrade, Faculty of Forestry, Department of Ecological Engineering for Soil and Water Resources Protection (2010–2016) (*Thesis: The Influence of Anthropogenic Factors on Erosion Intensity in Southeastern Serbia*).
- Master's Studies: University of Belgrade, Faculty of Geography, Department of Geography (2009–2010) (*Thesis: Surface Water Quality in the Lower Reaches of the Velika Morava River*).
- Undergraduate Studies: University of Belgrade, Faculty of Geography, Department of Geography (2005–2009) (*Thesis: Stream Ordering of the Lepenica River Basin*).

Employment

- 2025–present: Senior Research Associate, Geographical Institute "Jovan Cvijic" SASA, Belgrade
- 2017–2025: Research Associate, Geographical Institute "Jovan Cvijic" SASA, Belgrade
- 2013–2017: Research Assistant, Geographical Institute "Jovan Cvijic" SASA, Belgrade
- 2013: Research Assistant, Faculty of Forestry, University of Belgrade
- 2012–2013: Junior Research Assistant, Faculty of Forestry, University of Belgrade
- 2010: Teaching Assistant, Faculty of Geography, University of Belgrade

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
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. Бабовић, С. (2012). Сврставање река у редове и њена зависност од размера карте на примеру Лепенице. Гласник српског географског друштва, 92(4), 113-125. ISSN 0350-3593 <http://www.doiserbia.nb.rs/img/doi/0350-3593/2012/0350-35931204113B.pdf>
5. Бабовић, С., Златић, М. (2012). Социо-демографске промене у сливу Тегошнице као фактор промене интензитета ерозије. Ерозија, 38, 74-85. ISSN 0350-9648 http://www.udruzenjebujicara.com/images/stories/casopis_erozija/Erozija_38.pdf

Published articles in International Journals

1. Djordjevic, I., Jovanovic, S., Markovic, M., Andjelkovic, S., Prnjat, Z., Matović, S., & Valjarević, A. (2026). Project-Based Learning in Geography and Its Impact on Developing Students' Values, Attitudes and Pro-Environmental Behavior. Sustainability, 18(2), 725. <https://doi.org/10.3390/su18020725>
2. Lović Obradović, S., Matović, S., & Todorčić, J. (2026). Space-time pattern mining for municipal-level short-term population forecasting in Serbia. Mathematical Population Studies, 33(1), 22–41. <https://doi.org/10.1080/08898480.2025.2601595>
3. Vuković, D.B., Dekpo-Adza, S. & Matović, S. (2025). AI integration in financial services: a systematic review of trends and regulatory challenges. *Humanit Soc Sci Commun* 12, 562. <https://doi.org/10.1057/s41599-025-04850-8>
4. 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>
5. Matović, S., Lović Obradović, S., & Gajić, T. (2025). Sustainable Tourism in Protected

Areas: Comparative Governance and Lessons from Tara and Triglav National Parks. *Sustainability*, 17(15), 7048. <https://doi.org/10.3390/su17157048>

6. 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/su1622100062>.
7. 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>
8. 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>
9. 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>
10. 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>
11. 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
12. 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 Conference Publications and Presentations

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 joinpoint 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, 272-280.
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. Geoheritage 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., Aleksandrović, A.Y., Vuković, D., Babović, S., Malinović- Milićević, S. 2015. Astrophysical analysis of the crash of the Malaysian 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 Conference Publications

1. Babović, S. (2010). Kvalitet površinskih voda Velike Morave po SWQI metodi. Zbornik radova sa naučnog skupa sa međunarodnim učešćem „Problemi i izazovi savremene geografske nauke i nastave“, 8-10 decembar 2011, Kopaonik, Srbija, str. 495-503.
2. Штрбац, Д., Милановић Пешић, А., Бабовић, С. (2017). Физичкогеографске карактеристике простора Таре и Голије погодних за реинтродукцију јеленске дивљачи. Зборник абстраката „Јеленска дивљач“ са Стручно-научног скупа „1. Српско саветовање са међународним учешћем о газдовању и заштити ловне фауне: јеленска дивљач“, Краљево, 12.10, стр. 55-56.

Monographs of National Significance

1. Matović, S. (2025). Socio-ekonomski aspekti i mogućnosti održivog razvoja: Primeri iz jugoistočne Srbije [Socio-economic dimensions and prospects of sustainable development: insights from Southeastern Serbia] (Posebna izdanja, knj. 103). Geographical institute „Jovan Cvijić“ Serbian academy of sciences and arts. <http://www.gi.sanu.ac.rs/index.php/sr-rs/izdavastvo/posebna-izdanja/1361-s-ci-n-s-i-sp-i-i-gucn-s-i-drziv-g-r-zv-pri-ri-iz-ug-is-cn-srbi>

Chapters in Leading International Books

1. Matović, S., Obradović, S.L., Vuković, D. (2026). Challenges in Tracking Early Education: A European and Serbian Perspective on SDG Target 4.2. In: Soares, L., Saraiva, M., de Miguel González, R. (eds) Compromised Geography. Key Challenges in Geography. Springer, Cham. https://doi.org/10.1007/978-3-032-05201-8_7
2. Obradović, S.L., Matović, S., Stanojević, G., Ćurčić, N. (2026). Compromised Spaces of Health: Geospatial Exploration of Cardiovascular Mortality Patterns. In: Soares, L., Saraiva, M., de Miguel González, R. (eds) Compromised Geography. Key Challenges in Geography. Springer, Cham. https://doi.org/10.1007/978-3-032-05201-8_10
3. 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

Chapter in a book of leading international significance

1. Кокотовић Каназир, В., Стојилковић Ѓатовић, Ј., Филиповић, М., Бабовић, С., Ивковић, М., Ловић Обрадовић, С. (2017). Становништво Србије. У: М. Радовановић (Ур.), Географија Србије. (Посебна издања, књ. 91, стр. 506–565), Географски институт „Јован Цвијић“ САНУ. ISBN 978-86-80029-70-2.

Lexicographic unit in a scientific publication of a leading national significance

1. Бабовић, С. (2017). Грделичка клисура. У: А. Милановић Пешић и др (Ур.), Из бележница Јована Цвијића – прикази и тумачења (Посебна издања 94, стр. 82- 83), САНУ и Географски институт „Јован Цвијић“ САНУ. ISBN: 978-86-7025- 724-5 (САНУ), ISBN: 978-86-80029-73-3 (ГИЈЦ).
2. Бабовић, С. (2017). Скица абразионих тераса Грделичке клисуре. У: А. Милановић Пешић и др (Ур.), Из бележница Јована Цвијића – прикази и тумачења (Посебна

издања 94, стр. 84-85), САНУ и Географски институт „Јован Цвијић“ САНУ. ISBN: 978-86-7025-724-5 (САНУ), ISBN: 978-86-80029-73-3 (ГИЈЦ).

3. Бабовић, С. (2017). Скица „Профил Моравске долине код Предејана“. У: А. Милановић Пешић и др (Ур.), Из бележница Јована Цвијића – прикази и тумачења (Посебна издања 94, стр. 86-87), САНУ и Географски институт „Јован Цвијић“ САНУ. ISBN: 978-86-7025-724-5 (САНУ), ISBN: 978-86-80029-73-3 (ГИЈЦ).
4. Бабовић, С. (2017). Скице абразионих тераса Јужне Мораве испод Деје. У: А. Милановић Пешић и др (Ур.), Из бележница Јована Цвијића – прикази и тумачења (Посебна издања 94, стр. 88-89), САНУ и Географски институт „Јован Цвијић“ САНУ. ISBN: 978-86-7025-724-5 (САНУ), ISBN: 978-86-80029-73-3 (ГИЈЦ).
5. Бабовић, С. (2017). Хрвати. „Из бележница Јована Цвијића-прикази и тумачења“. У: А. Милановић Пешић и др (Ур.), Из бележница Јована Цвијића – прикази и тумачења (Посебна издања 94, стр. 130-131), САНУ и Географски институт „Јован Цвијић“ САНУ. ISBN: 978-86-7025-724-5 (САНУ), ISBN: 978- 86-80029-73-3 (ГИЈЦ).
6. Бабовић, С. (2017). Прота Матија Ненадовић. У: А. Милановић Пешић и др (Ур.), Из бележница Јована Цвијића – прикази и тумачења (Посебна издања 94, стр. 186-187), САНУ и Географски институт „Јован Цвијић“ САНУ. ISBN: 978- 86-7025-724-5 (САНУ), ISBN: 978-86-80029-73-3 (ГИЈЦ).
7. Бабовић, С. (2017). Вожд Ђорђе Петровић Карађорђе. У: А. Милановић Пешић и др (Ур.), Из бележница Јована Цвијића – прикази и тумачења (Посебна издања 94, стр. 188-189), САНУ и Географски институт „Јован Цвијић“ САНУ. ISBN: 978-86-7025-724-5 (САНУ), ISBN: 978-86-80029-73-3 (ГИЈЦ).
8. Бабовић, С. (2017). Мњење Доситеја Обрадовића. У: А. Милановић Пешић и др (Ур.), Из бележница Јована Цвијића – прикази и тумачења (Посебна издања 94, стр. 190-191), САНУ и Географски институт „Јован Цвијић“ САНУ. ISBN: 978- 86-7025-724-5 (САНУ), ISBN: 978-86-80029-73-3 (ГИЈЦ).

List of projects

1. 2011-2019: Subproject Lead/Researcher: "Socio-Economic Development, Climate Change Mitigation, and Adaptation" (Subproject No. 16), within the National Project: "Research on Climate Change and Its Impacts on the Environment: Impact Monitoring, Adaptation, and Mitigation" (Grant No. III 43007), funded by the Ministry of Education, Science and Technological Development of the Republic of Serbia.
2. 2012–2019: Geography of Serbia (Grant No. III 47007), Ministry of Education, Science and Technological Development of the Republic of Serbia.

Workshops

Soil Erosion Modelling Workshop: Joint Research Centre (JRC) of the European Commission, Ispra, Italy (March 20–22, 2017).

International Cooperation

Field Training & Academic Exchange: Lomonosov Moscow State University — Khibiny Research Station, Kola Peninsula, Russia.