



Dr Milena Panić
Research Associate

Geographical Institute "Jovan Cvijić" of the Serbian Academy of Sciences and Arts
Djure Jakšića 9, 11000 Belgrade, Serbia

Phone: +381-11-2636594, +381641972993

Fax: +381-11-2637597

E-mail: m.panic@gi.sanu.ac.rs

Area of interest

spatial planning, environmental protection, renewable resources, natural disasters

Education

- PhD studies: Faculty of Sciences, University of Novi Sad, Department of Geography, Tourism and Hotel Management. Thesis: *Conceptual framework for assessment of social vulnerability to natural hazards*; September 2016
- MSc studies: Faculty of Geography, University of Belgrade. Thesis: *Hazardous waste management*; March 2009
- BSc studies: Faculty of Geography, University of Belgrade; graduated in 2003

Employment

- since 2007: Geographical Institute "Jovan Cvijić" of the Serbian Academy of Sciences and Arts
- 2004-2007: Geographical Institute "Jovan Cvijić" of the Serbian Academy of Sciences and Arts - Scholarship holder, funded by the Ministry of Science and Technology of the Republic of Serbia

Membership in professional organizations

- Serbian Geographical Society
- Serbian Spatial Planners Association

Published monograph

- **Panić, M.** (2022). *Social vulnerability to natural hazards in Serbia*. Belgrade: Special issues of the Geographical Institute "Jovan Cvijić" SASA No. 98, pp. 1-144. ISBN 978-86-80029-82-5 (In Serbian with English summary).
- **Panić, M.** (2010). *Hazardous Waste Management – System Planning, Organization, Functioning*. Belgrade: Special issues of the Geographical Institute "Jovan Cvijić" SASA No. 80, pp. 1-166. ISBN 978-86-80029-50-4 (In Serbian with English summary).

Chapters in international monographs

- **Panić, M.**, Urošev, M., Milanović Pešić, A., & Miljanović, D. (2014). Hydropower Development in Serbia: Current State, Perspectives and Challenges. In L. Burke (Ed.), *Hydroelectricity and Power Electronics – Environmental Impacts, Emerging Technologies and Challenges* (Chapter 1); *Series: Electronics and Telecommunications Research*; Nova Science Publishers Inc, New York, USA, pp. 1-54, ISBN: 978-1-63321-737-9.

Chapters in national monographs

- Miljanović, D., **Panić, M.**, & Jojić Glavonjić, T. (2017). Environment, Waste Management and Nature Protection in Serbia. In M. Radovanović (Ed.), *Geography of Serbia*. Belgrade: Special issues of the Geographical Institute "Jovan Cvijić" SASA No. 91, pp. 298-381. ISBN 978-86-80029-70-2 (In Serbian)

Papers in international journals

- Drobnjaković, M., Kokotović-Kanazir, V., **Panić, M.**, Bjeljic, Ž., Radovanović, M. (2026). Stay or leave-understanding rural (im)mobility in Serbia. *Journal of the Geographical Institute "Jovan Cvijić" SASA* 76(3), 1–10.
- Drobnjaković, M., **Panić, M.** (2024). Introduction of the Approach for the Reviving the Sub-Municipal Level as a Spatial Aspect of Decentralization in Serbia. *Land* 13(6), 752.
- Drobnjaković, M., **Panić, M.**, Kokotović Kanazir, V. & Javor, V. (2022). Spatial aspects of labor force formation: the interrelation of cohort turnover and net migration in Serbia. *Eurasian Geography and Economics* 64(4), 543–559. DOI: 10.1080/15387216.2022.2052136
- Drobnjaković, M., **Panić, M.**, Stanojević, G., Doljak, D. & Kokotović Kanazir, V. (2022). Detection of the Seasonally Activated Rural Areas. *Sustainability* 14, 1604. DOI: 10.3390/su14031604
- Jeftenić, G., Rašeta, A., Kolaković, S., **Panić, M.**, Kolaković, S., & Mandić, V. (2021). A Methodology Proposal for Selecting the Optimal Location for Small Hydropower Plants. *Technical Gazzete* 28(5), 1462–1470. DOI: 10.17559/TV-20200408160557

- Drobnjaković, M., **Panić, M.**, & Đorđević, J. (2016). Traditional undeveloped municipalities in Serbia as a result of regional inequality. *European Planning Studies* 24(5), 926-949. DOI: 10.1080/09654313.2015.1129396, ISSN 0965-4313
- Kovačević-Majkić, J., **Panić, M.**, Miljanović, D., & Miletić, R. (2014). Vulnerability to natural disasters in Serbia: spatial and temporal comparison. *Natural Hazards* 72(2), 945-968. DOI: 10.007/s11069-014-1045-3, ISSN 1573-0840
- **Panić, M.**, Urošev, M., Milanović Pešić, A., Brankov, J., & Bjeljic, Ž. (2013). Small hydropower plants in Serbia: Hydropower potential, current state and perspectives. *Renewable and Sustainable Energy Reviews* 23, 341-349. DOI: 10.1016/j.rser.2013.03.016, ISSN 1364-0321
- Kovačević-Majkić, J., Milošević, M.V., **Panić, M.**, Miljanović, D., & Čalić, J. (2013). Risk education in Serbia. *Acta Geographica Slovenica* 54(1), 163-178. DOI: 10.3986/AGS53305, ISSN 1581-6613.

Selected papers published in Serbian national journals

- **Panić, M.**, Drobnjaković, M., Stanojević, G., Kokotović Kanazir, V. & Doljak, D. (2022). Nighttime lights – Innovative approach for identification of temporal and spatial changes in population distribution. *Journal of the Geographical Institute "Jovan Cvijić" SASA* 72(1), 51–66.
- Jojić-Glavonjić, T., Milivojević, M., & **Panić, M.** (2014). Protected geohertage sites as a touristic value of Srem, *Journal of the Geographical Institute „Jovan Cvijić" SASA* 64(1), 33-50. DOI: 10.2298/IJGI1401033J, ISSN 0350-7599
- **Panić, M.**, Kovačević-Majkić, J., Miljanović, D., & Miletić, R. (2013). Impotance of natural disaster education – Case study of the eearthquake near the City of Kraljevo (first results). *Journal of the Geographical Institute „Jovan Cvijić" SASA* 63(1), 75-88. DOI:10.2298/IJGI121121001P, ISSN 0350-7599
- Jojić Glavonjić, T., Milijašević, D., & **Panić, M.** (2010). Geoheritage protection of Serbia – present situation and perspectives. *Journal of the Geographical Institute „Jovan Cvijić" SASA* 60(1), 17-31. UDC 911.2:504.06(497.11), ISSN 0350-7599
- **Panić, M.**, Milošević, M., & Jojić Glavonjić, T. (2010). The possibility of GIS application for the need of transport planning of hazardous waste. *Bulletin of the Serbian Geographical Society* 90(1), 179-195. UDC 910:007(002.71), ISSN 0350-7599
- **Panić, M.**, & Jojić, T. (2009). Organization of hazardous waste management system in Republic of Serbia and other European countries. *Collection of the Papers of Faculty of Geography* 57, 243-258. UDC 351:628.5(4), ISSN 1450-7552
- Đorđević, J., & **Panić, M.** (2007). Underdeveloped Areas-South Morava Region. *Journal of the Geographical Institute „Jovan Cvijić" SASA* 56, 39-57. UDC 911.372.7(497.11), ISSN 0350-7599
- Đorđević, J., & **Panić, M.** (2006). Natural characteristics as a request for development of Obrenovac municipality. *Bulletin of the Serbian Geographical Society* 86(2), 63-75. UDC 911.2(497.11), ISSN 0350-7599

- Đorđević, J., & **Panić, M.** (2004): The influence transborder regions on the development process in Serbia. *Bulletin of the Serbian Geographical Society* 84(2), 183-196. UDC 711(497.11), ISSN 0350-7599

Selected papers in international conference proceedings

- **Panić, M.**, Drobnjaković, M., Stanojević, G., Doljak, D. & Kokotović Kanazir, V. (2022). How to catch depopulation in Serbia? Alternative approach for detection and monitoring. 8th International Scientific Conference: *GEOBALCANICA 2022*. Book of abstract. Belgrade: Geobalcanica Society, pp. 241-248.
- **Panić, M.**, Gačić, J., Česarević, J. (2018). Climate Change and Natural Disasters. Abstract book of the international conference Humboldt-Kolleg “*Sustainable development and climate change: Connecting research, education, policy and practice*”, 19–22 September 2018, Belgrade, Humboldt-Club Serbia; University of Belgrade – Faculty of Forestry, pp. 153; (poster presentation)
- **Panić, M.**, Đorđević, J., Gačić, J. (2018). Understanding of natural disaster awareness and preparedness of flood-affected residents in the Jaša Tomić settlement, municipality of Sečanj. Abstract book of the international conference “*Natural hazards – Lessons from the past and contemporary challenges*”, 05–07 October 2018, Novi Sad, Serbia, Serbian Academy of Sciences and Arts & University of Novi Sad – Faculty of Sciences, Department of Geography, Tourism and Hotel Management, pp. 48;
- Spalević, A., Drobnjaković, M., **Panić, M.** (2018). Village in Serbia – between print media and science. Abstract book of international conference “*Smart Geography*”, 2–4 November 2018, Sofia, Bulgaria, Bulgarian geographical Society; European Association of Geographers (EUROGEO); Faculty of Geology and Geography, Sofia University, pp. 113–114;
- Čalić, J., **Panić, M.**, Miljanović, D., Kovačević-Majkić, J., & Milošević, M. (2015). Education as the Key Segment for Prevention Improvement in Disaster Risk Reduction System in Serbia. In I., Đorđević, M., Glamotchak, S., Stanarević, & J., Gačić (Eds.), *Twenty Years of Human Security: Theoretical Foundation and Practical Applications*. Belgrade: University of Belgrade - Faculty of Security Studies; Universite Paris - Institut Farncais de Geopolitique, pp. 177-186
- Čalić, J., Kovačević-Majkić, J., **Panić, M.**, Milošević, M., & Miljanović, D. (2015). Natural hazards in the formal education system in Serbia – facts and experiences. *Geophysical Research Abstracts* 17. Austria: European Geosciences Union General Assembly (poster presentation)
- Drobnjaković, M., Kokotović Kanazir, V., & **Panić, M.** (2015). Transformation of rural areas and rural society. U P. Milenković, S. Stojišin, & A. Pajvančić-Cizelj (Eds.) *Društvo i prostor – urbani i ruralni prostor*. Novi Sad: Srpsko sociološko društvo; Univerzitet u Novom Sadu - Filozofski fakultet; Institut za uporedno pravo Beograd, pp. 175-189
- Kovačević-Majkić, J., **Panić, M.**, Miljanović, D., & Miletić, R. (2013). Spatial and temporal comparison of vulnerability to natural disasters in Serbia. *Natural hazards –Links Between Science and Practice*, Serbian Academy of Sciences and Arts, Geographical Institute “Jovan Cvijić” SASA Belgrade, Book of abstracts, pp. 41

- Čalić, J., Kovačević-Majkić, J., **Panić, M.**, Milošević, M.V., & Miljanović, D. (2013). Non-systematic inclusion of DRR concepts and practices in the compulsory education network, prior to formal inclusion into school curricula - Case study of Serbia. INPUT PAPER Prepared for the *Global Assessment Report on Disaster Risk Reduction*, UNISDR, pp. 1-16
- **Panić, M.**, Kovačević-Majkić, J., Miljanović, D., & Vukelić, J. (2012). Importance of education in natural disaster prevention-earthquake in Kraljevo and the reactions of school age children. *Natural hazards-Lessons from the Past, Prevention and Prediction*. Novi Sad, Book of abstracts, pp. 17-18
- Kovačević-Majkić, J., Miljanović, D., **Panić, M.**, & Milanović Pešić, A. (2012). Problems of incorporation of natural disaster contents in geography teaching, and possible solutions. *Natural hazards-Lessons from the Past, Prevention and Prediction*. Novi Sad, Book of abstracts, pp. 19
- Kovačević-Majkić, J., Miljanović, D., **Panić, M.**, Milošević, M., & Čalić, J. (2012). Geographieunterricht als Grundlage für die Naturkatastrophenvorsorge in Serbien-Aktueller Stand und Perspektiven. 12. *Forum Katastrophenvorsorge „Risiko Lernen-Lehren-Leben“*, Bonn (poster presentation)
- **Panić, M.**, & Milošević, M. (2008). Geospatial determinants for the location of regional sanitary landfills sites in Serbia. Proceeding of the International Conference Global Changes and Problems – Theory and Practice, Sofia, Bulgaria, pp. 334-338
- Đorđević, J., & **Panić, M.** (2005). Sustainable tourism as a possibility for the development of Mt. Golija. Proceedings of the International Conference Contemporary Trends in Tourism Industry, Ohrid, Macedonia, pp. 255-263

Selected papers in national conference proceedings

- Milošević, M., Kovačević-Majkić, J., & **Panić, M.** (2012). Natural disasters and geography teaching in Serbia – current situation. Conference proceedings *Problems and Challenges of Contemporary Geographical Science and Teaching*. Kopaonik, pp. 161-167. (In Serbian)
- Đorđević, J., **Panić, M.**, & Jojić Glavonjić, T. (2010). Evaluation of underdeveloped areas of Southeast and Southwest Serbia. Book of abstracts *Second Congress of Geographers of Serbia*. Novi Sad, pp. 87-88. (In Serbian)
- Đorđević, J., & **Panić, M.** (2010). Undeveloped rural areas in the Jablanica and Pcinja districts. Conference proceedings *Territorial Aspects of the Development of Serbia and Neighboring Countries*. Divčibare, pp. 317-325. (In Serbian)
- Đorđević, J., Tošić, B., & **Panić, M.** (2006). Natural potentials of the tourist-recreational area of the Tara Mountain. Conference proceedings *Tourist valorization of the Tara Mountain*. Tara, pp. 127-133. (In Serbian)
- Jojić, T., & **Panić, M.** (2006). Protection of the SNR „Ludaško jezero“ in domestic and international legal frameworks. *Conference proceedings Second Congress of Geographers of Serbia*, Vol.1. Sokobanja, pp. 359-367. (In Serbian)

- Đorđević, J., & **Panić, M.** (2005). Limits and conflicts in the development of the „Golija” Nature Park. *Conference proceedings Plan and Normative Protection of the Space and Environment*. Subotica, pp. 261-269. (In Serbian)
- Đorđević, J., Štrbac, D., & **Panić, M.** (2004). GIS and spatial planning. *Conference proceedings Local Government in Planning and Arranging of Space and Settlements – expert questions*. Zlatibor, pp. 337-349. (In Serbian)

Lexicons and encyclopedias

- Group of authors (2016). *Leksikon Nacionalnog parka Fruška Gora* (Lexicon of the Fruška Gora National Park), (pp.1-368). Belgrade: JP Službeni glasnik, JP Fruška Gora National Park, Geographical Institute „Jovan Cvijić” SASA, ISBN 978-86-519-1900-1 (author of geographical lexicographic articles) (In Serbian)
- Group of authors (2008). *Enciklopedija srpskog naroda* (Encyclopedia of Serbian People), (pp. 1-1278). Belgrade: Zavod za udžbenike, ISBN 978-86-17-15732-4. (author of geographical maps) (In Serbian)
- Group of authors (2007). *Školsko sveznanje* (School knowledge), (pp. 1-1080). Belgrade: Zavod za udžbenike (author of geographical maps) (In Serbian)

Projects

- 2021-2022. Labor force – potential and utilization. Institute for Philosophy and Social Theory, University of Belgrade and Open Society Foundation Serbia.
- 2020. Remote Detection of (de)population processes in Serbia - Depopulation Data Challenge Call. UNDP Serbia, UNFRA, GIZ.
- 2020. Serbian repatriates during COVID-19 – Returning Point-Program for Circular Migration and UNDP Serbia.
- 2011-2018. Geography of Serbia (47007 – Ministry of Education and Science of the Republic of Serbia)
- 2005–2010. Modalities of geopotentials evaluation of undeveloped regions of Serbia (146011–Ministry of Science).
- 2006-2007. The Spatial Plan of the Municipality of Ljig (Municipality of Ljig)
- 2005-2006. The Spatial Plan of the „Golija” Nature Park (CEP – Centar za planiranje urbanog razvoja)
- 2004–2005. The Danube-Morava corridor as the main axis of the regional development and integration of Serbia within the framework of South-eastern Europe (1620 – Ministry of Science and protection of the Environment of the Republic of Serbia).

Organization of scientific conferences

- Member of the Scientific Committee: Scientific Conference „Branislav Kojić – space in village and village in space“, October 16-17, 2017, Belgrade: Geographical Institute „Jovan Cvijić“ SASA
- Member of the Organizational Committee: Scientific Conference of the occasion of the 60th anniversary of the Geographical Institute „Jovan Cvijić“ SASA „Geography and its future“, September 24-25, 2007, Belgrade: Geographical Institute „Jovan Cvijić“ SASA.
- Member of the Organizational Committee: The First Congress of Serbian Geographers, October 19-22, 2006, Sokobanja: Serbian Geographical Society, Faculty of Geography, Geographical Institute „Jovan Cvijić“ SASA, Department of Geography, Tourism and Hotel Management-University of Novi Sad.

Editor of publications

- Tehnical editor of the publication „Prije polje – Factor of the Regional Integrity of the Southwest Serbia“, Geographical Institute „Jovan Cvijić“ SASA, Special edition No. 84, 1-203. ISBN 978-86-80029-57-3 (In Serbian)

Miscellaneous

- Drobnjaković, M., **Panić, M.** & Kokotović Kanazir, V. (2022). *What do we mean when we say ... Laborforce - potential and utilization*. Institute for Philosophy and Social Theory, University of Belgrade. ISBN: 978-86-82324-00-3.
- Kartal, V., Orlović Lovren, V., Milošević M. V., Kovačević-Majkić, J., Čalić, J., Milanović Pešić, A., Belij, S., Štrbac, D., **Panić, M.**, Miljanović, D. (2018). *How to protect from natural disasters – manual for teachers*. (Only in Serbian). Belgrade: The Teachers' Union of Republic of Serbia, pp. 204; ISBN: 978-86-82469-11-7.
- **Coordinator** of the programs of the advanced professional training for geography teachers: „Modernization of methodical knowledge in demography“ (2022-2025), „How to protect of natural disasters (2014-2018), „Natural Disasters and Geography Education“ (2009-2014), „Instrumental Collecting of Spatial Data“ (2010-2013), „The Corridors of Serbia“ (2012-2014; 2018-2021).
- **Lecturer** at the programs of the advanced professional training for geography teachers: „Modernization of methodical knowledge in demography“ (2022-2025), „How to protect of natural disasters (2014-2018), „Natural Disasters and Geography Education“ (2009-2014), „Instrumental Collecting of Spatial Data“ (2010-2013), „The Corridors of Serbia“ (2012-2014; 2018-2021).

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