GEOGRAPHICAL INSTITUTE "JOVAN CVIJIĆ" SERBIAN ACADEMY OF SCIENCES AND ARTS JOURNAL OF THE GEOGRAPHICAL INSTITUTE "JOVAN CVIJIĆ" SASA

Vol. 68 • № 3



JOURNAL OF THE GEOGRAPHICAL INSTITUTE "JOVAN CVIJIĆ" SASA

Vol. 68 • № 3

BELGRADE 2018

PUBLISHER: Geographical Institute "Jovan Cvijić" SASA, 11000 Belgrade,

Djure Jaksica 9, REPUBLIC OF SERBIA; Telephone / fax: +381 11 26-37-

597, E-mail: zbornik@gi.sanu.ac.rs

ACTING PUBLISHER: Milan Radovanović

Editors-in-Chief

Marko D. Petrović (Social Geography), Geographical Institute "Jovan Cvijić" SASA, Belgrade, Serbia

Milan Milenković (Physical Geography), Geographical Institute "Jovan Cvijić" SASA, Belgrade, Serbia

Associate Editors for Physical Geography

Alexandra Jiricka-Pürrer, BOKU University of Natural Resources and Life Sciences, Institute of Landscape Development, Recreation and Conservation Planning, Vienna, Austria

Christoph Schneider, Humboldt University, Faculty of Mathematics and Natural Sciences, Geography Department, Berlin, Germany

Dimitri Vandenberghe, Ghent University, Department of Geology, Ghent, Belgium

Dragan Burić, University of Montenegro, Faculty of Philosophy, Geography Department, Nikšić, Montenegro

Jiangbo Gao, Chinese Academy of Sciences, Institute of Geographic Sciences and Natural Resources Research, Key Laboratory of Land Surface Pattern and Simulation, Beijing, China

João Fernando Pereira Gomes, Higher Engineering Institute of Lisbon, Lisabon, Portugal

Jugoslav Nikolić, Geographical Institute "Jovan Cvijić" SASA, Belgrade, Serbia Katya Georgieva, Bulgarian Academy of Sciences (BAS), Space Research and Technology Institute, Sofia, Bulgaria

Mariyana Nikolova, Bulgarian Academy of Sciences (BAS), National Institute of Geophysics, Geodesy and Geography, Sofia, Bulgaria

Milan Radovanović, Geographical Institute "Jovan Cvijić" SASA, Belgrade, Serbia

Sandu Boengiu, University of Craiova, Faculty of Sciences, Department of Geography, Craiova, Romania

Shaohong Wu, Chinese Academy of Sciences, Institute of Geographic Sciences and Natural Resources Research, Key Laboratory of Land Surface Pattern and Simulation, Beijing, China

Slobodan B. Marković, Serbian Academy of Sciences and Arts (SASA), Belgrade, Serbia

Svetlana M. Malkhazova, Moscow State University "M. V. Lomonosov", Faculty of Geography, Department of Biogeography, Moscow, Russian Federation

Tivadar Gaudenji, Geographical Institute "Jovan Cvijić" SASA, Belgrade, Serbia

Ulrike Pröbstl-Haider, BOKU University of Natural Resources and Life Sciences, Institute of Landscape Development, Recreation and Conservation Planning, Vienna, Austria

Zoran Govedar, University of Banja Luka, Faculty of Forestry, Banja Luka, Bosnia and Herzegovina

Associate Editors for Social Geography

Alon Gelbman, Kinneret College on the Sea of Galilee, Kinnerot, Israel

Anatoly Yamashkin, N. P. Ogarev Mordovia State University, Faculty of Geography, Saransk, Russian Federation

Antonio Portugal Duarte, University of Coimbra, Faculty of Economy, Coimbra, Portugal

Darko B. Vuković, Tomsk Polytechnic University, Institute of Social-humanitarian Technologies, Tomsk, Russian Federation

Etienne Piguet, University of Neuchâtel, Institute of Geography, Neuchâtel, Switzerland

Gábor Lux, Hungarian Academy of Sciences, CERS Institute for Regional Studies, Budapest, Hungary

Gaëlle Hallair, CNRS UMR Géographie-Cités, Paris, France

Harald Kegler, University Kassel, Institut for Urban Development, Kassel, Germany

János Pénzes, University of Debrecen, Department of Social Geography and Regional Development Planning, Debrecen, Hungary

Larry Dwyer, University of New South Wales, Business School, Sydney, Australia

Medet Yolal, Anadolu University, Faculty of Tourism, Eskisehir, Turkey

Natalia Vukovic, Ural State Forest Engineering University (USFEU), Faculty of Economics and Management, Yekaterinburg, Russian Federation

Olga Hadžić, Serbian Academy of Sciences and Arts (SASA), Belgrade, Serbia Rahman Nurković, University of Sarajevo, Faculty of Science, Department of Geography, Sarajevo, Bosnia and Herzegovina

Yaroslav Vyklyuk, Bukovinian University, Faculty of Computer Systems and Technologies, Chernivtsi, Ukraine

Željko Bjeljac, Geographical Institute "Jovan Cvijić" SASA, Belgrade, Serbia **Technical Editor:** Tamara Jojić Glavonjić, Geographical Institute "Jovan Cvijić" SASA, Belgrade, Serbia

Secretary of the Editorial Board: Aleksandra Spalević, Geographical Institute "Jovan Cvijić" SASA, Belgrade, Serbia

PRINTING OF THIS PUBLICATION WAS SUPPORTED BY

Ministry of Education, Science and Technological Development of the Republic of Serbia

Beginning with Vol. 67(1) 2017, Journal of the Geographical Institute "Jovan Cvijić" SASA has been indexed and abstracted in *Emerging Sources Citation Index (ESCI)* — *Web of Science (Clarivate Analytics, formerly Thomson Reuters' IP & Science branch).*

CIRCULATION 300 PRINTED BY Colorgrafx.doo, Beograd WEB PRESENTATION

http://www.gi.sanu.ac.rs/zbornik/index.php/zbornik/index http://www.doiserbia.nb.rs/journal.aspx?issn=0350-7599

ISSN 0350-7599 e-ISSN: 1821-2808 UDC: 910/911.3