



UNIVERSITY OF NOVI SAD | FACULTY OF SCIENCES
DEPARTMENT OF GEOGRAPHY, TOURISM & HOTEL MANAGEMENT

INTERNATIONAL SCIENTIFIC JOURNAL

GEOGRAPHICA PANNONICA

Volume 25, Issue 3, September 2021

INTERNATIONAL SCIENTIFIC JOURNAL
GEOGRAPHICA PANNONICA
UNIVERSITY OF NOVI SAD | FACULTY OF SCIENCES | DEPARTMENT OF GEOGRAPHY, TOURISM & HOTEL MANAGEMENT

EDITOR IN CHIEF

Lazar Lazić, lazarus@uns.ac.rs

EDITORS

Jasmina Đorđević, jasminadjordjevic@live.com

Imre Nagy, nagy@rkk.hu

Milka Bubalo Živković, milka.bubalo.zivkovic@dgt.uns.ac.rs

Aleksandra Dragin, sadragin@gmail.com

Mladen Jovanović, mladjenov@gmail.com

Minučer Mesaroš, minucher@gmail.com

TECHNICAL EDITOR

Dragan Milošević, dragan.milosevic@dgt.uns.ac.rs

Jelena Dunjić, dunjicjelena1@gmail.com

EDITORIAL BOARD

Slobodan B. Marković

University of Novi Sad
Faculty of Science
Novi Sad, Serbia

Tobias Heckmann

Department of Geography, Physical Geography
Catholic University Eichstaett-Ingolstadt
Eichstätt, Germany

Petru Urdea

West University of Timișoara
Department of Geography
Timișoara, Romania

Tamás Weidinger

Eötvös Loránd University
Institute of Geography and Earth Science
Department of Meteorology
Budapest, Hungary

Marko Krevs

University of Ljubljana
Faculty of Art, Department of Geography
Ljubljana, Slovenia

Konstantinos Andriotis

Middlesex University
London, United Kingdom

Michael Lehnert

Palacky University Olomouc
Faculty of science, Department of Geography
Olomouc, Czech Republic

Szabó Szilárd

University of Debrecen
Department of Physical Geography and Geoinformatics
Debrecen, Hungary

Tajan Trobec

University of Ljubljana
Department of Geography
Ljubljana, Slovenia

Crețan Remus

West University of Timișoara
Department of Geography
Timișoara, Romania

ADVISORY BOARD

Ulrich Hambach
Geowissenschaften Universität Bayreuth
LS Geomorphologie
Bayreuth, Germany

Milivoj Gavrilov
University of Novi Sad
Faculty of Science
Novi Sad, Serbia

Matej Ogrin
University of Ljubljana
Department of Geography
Ljubljana, Slovenia

Nina Nikolova
"St. Kliment Ohridski" University of Sofia
Faculty of Geology and Geography
Department of Climatology, Hydrology and
Geomorphology
Sofia, Bulgaria

Zorana Lužanin
University of Novi Sad
Faculty of Science
Novi Sad, Serbia

Damir Demonja
Institute for Development
and International Relations, IRMO,
Zagreb, Croatia

Praveen Kumar Rai
Banaras Hindu University
Department of Geography
Varanasi, India

Petr Šimáček
Palacky University Olomouc
Faculty of science, Department of Geography
Olomouc, Czech Republic

Ivana Bajšanski
University of Novi Sad
Faculty of Technical Sciences
Novi Sad, Serbia

Ondrej Slach
University of Ostrava
Department of Human Geography and Regional
Development (Faculty of Science)
Ostrava, Czech Republic

EDITORIAL OFFICE

Faculty of Sciences
Department of Geography, Tourism and Hotel Management
Trg Dositeja Obradovića 3, 21000 Novi Sad, Serbia
tel. +381 21 450-105
fax +381 21 459-696
Official site: www.dgt.uns.ac.rs

CONTACTS

Lazar Lazić, PhD, full professor
Department of Geography, Tourism and Hotel Management, Serbia, lazarus@uns.ac.rs

Dragan Milošević, teaching assistant
Department of Geography, Tourism and Hotel Management, Serbia, dragan.milosevic@dgt.uns.ac.rs

Official mail of the Journal
gpscijournal@dgt.uns.ac.rs

Internet portal
www.dgt.uns.ac.rs/pannonica.html

Instructions to authors
www.dgt.uns.ac.rs/pannonica/instructions.htm

Contents

Boštjan Rogelj, Marko Krevs

Using geoinformation tools for redistricting: Slovenian experiences 149
doi: [10.5937/gp25-30752](https://doi.org/10.5937/gp25-30752)

Vladimir Stojanović, Maja Mijatov, Jelena Dunjić, Lazar Lazić, Aleksandra Dragin, Dubravka Milić, Sanja Obradović

Ecotourism Impact Assessment on Environment in Protected Areas of Serbia:
A Case Study of Gornje Podunavlje Special Nature Reserve 157
doi: [10.5937/gp25-32288](https://doi.org/10.5937/gp25-32288)

David Espín-Sánchez, Carmelo Conesa García

Spatio-temporal Changes in the Heatwaves and Coldwaves in Spain (1950-2018):
Influence of the East Atlantic Pattern 168
doi: [10.5937/gp25-31285](https://doi.org/10.5937/gp25-31285)

Dinko Gruhonjić, Smiljana Milinkov, Miloš Katić

Media Outlets in Vojvodina and Slovenia: Demographic-economic Indicators and Media Pluralism 184
doi: [10.5937/gp25-30710](https://doi.org/10.5937/gp25-30710)

István Pánya

A Forgotten Tributary of the Danube – The Vajas River 194
doi: [10.5937/gp25-30806](https://doi.org/10.5937/gp25-30806)

Vladimir Pihler, Nevena B. Vasiljević, Dejan Đorđević, Luka Bajić, Dragana Dunčić

New Landscape Conceptualization as a Guideline for Spatial Development:
a Case Study from Serbian Spatial Planning Practice 204
doi: [10.5937/gp25-30177](https://doi.org/10.5937/gp25-30177)

Kalina Radeva, Kalin Seymenov

Surface Water Pollution with Nutrient Components, Trace Metals and Metalloids in Agricultural
and Mining-affected River Catchments (A Case Study for Three Tributaries of the Maritsa River,
Southern Bulgaria) 214
doi: [10.5937/gp25-30811](https://doi.org/10.5937/gp25-30811)