

ГЕОГРАФСКИ ИНСТИТУТ  
„ЈОВАН ЦВИЈИЋ“ САНУ



GEOGRAPHICAL INSTITUTE  
"JOVAN CVIJIĆ" SASA

# ЗБОРНИК РАДОВА

Географског института „Јован Цвијић“ САНУ

## JOURNAL

of the Geographical Institute "Jovan Cvijić" SASA

---

Vol. 65 • № 1



Београд | 2015  
Belgrade

**PUBLISHER**

**Geographical institute "Jovan Cvijić" SASA**

11000 Belgrade, Djure Jaksica 9, REPUBLIC OF SERBIA

Telephone / fax: +381 11 26-37-597, E-mail: journal@gi.sanu.ac.rs, zbornik@gi.sanu.ac.rs

**ACTING PUBLISHER:** Milan Radovanović

**EDITORS:** Boško Milovanović, Rajko Bukvić (Belgrade)

**EDITORIAL BOARD**

Nikola Tasić (academician SASA, Belgrade), Olga Hadžić (academician SASA, Belgrade), Božidar Ćurčić (academician BAS, Sofia, Serbian biological society, Belgrade), Jugoslav Nikolić (Republic hydrometeorological service of Serbia, Belgrade), Mirčeta Vemić (Geographical institute "Jovan Cvijić" SASA, Belgrade), Milan Radovanović (Geographical institute "Jovan Cvijić" SASA, Belgrade), Tivadar Gaudenyi (Geographical institute "Jovan Cvijić" SASA, Belgrade), Jelena Čalić (Geographical institute "Jovan Cvijić" SASA, Belgrade), Željko Bjeljajac (Geographical institute "Jovan Cvijić" SASA, Belgrade), Darko Vuković (Geographical institute "Jovan Cvijić" SASA, Belgrade), Aleksandra Terzić (Geographical institute "Jovan Cvijić" SASA, Belgrade), Dragana Milijašević (Geographical institute "Jovan Cvijić" SASA, Belgrade), Ana Petrović (Geographical institute "Jovan Cvijić" SASA, Belgrade), Marko Petrović (Geographical institute "Jovan Cvijić" SASA, Belgrade), Vesna Lukić (Institute for social sciences-Demographic research center, Belgrade), Siniša Zarić (Faculty of Economics, Belgrade), Branislav Đurđev (Faculty of Sciences, Novi Sad), Slobodan Marković (Faculty of Sciences, Novi Sad)

**INTERNATIONAL EDITORIAL BOARD**

Joao Fernando Pereira Gomes (Institut Superior tehnica, Lisabon), Rahman Nurković (Faculty of Science, Sarajevo), Mariana Nikolova (Geographical Institute BAN), Walter Zsilincsar (Department of Geography, University of Graz, Graz), Dmitri Wanderberghe (Geological Institute, Gent), Imre Nagy (Centre for Regional Studies HAS, Kecskemét), Čedo Maksimović (Imperial College, London), Saumitra Mukherjee (School of Environmental Sciences, Jawaharlal Nehru University, New Delhi, India), Biljana Apostolovska-Toševska (Faculty of Science, Skopje), Svetlana Malhazova (Faculty of Geography, Moscow State University "M. V. Lomonosov", Moscow), Arnold K. Tulokhonov (Corresponding member of RAS, Baikal Institute of Natural Management), Vladimir Y. Zakharov (Department of Strategic Marketing, Nizhniy Novgorod State University of Architecture and Civil Engineering, Nizhniy Novgorod), Sandu Boengiu (Geography Department, University of Craiova), Yaroslav Vykylyuk (Bukovinian University, Chernivtsi), Đuro Marić (Faculty of Science, Banja Luka), Dario César Sánchez (Consejo Nacional de Investigaciones Científicas y Técnicas, Buenos Aires)


**TECHNICAL EDITOR:** Dejana Jakovljević

**PRINTING OF THIS PUBLICATION WAS SUPPORTED BY**  
Ministry of Education, Science and Technological Development of the Republic of Serbia

**CIRCULATION** 300

**PRINTED BY** Colorgrafx.doo, Beograd

**WEB PRESENTATION**

 www.ebscohost.com

www.gi.sanu.ac.rs

www.doiserbia.nb.rs

**ISSN 0350-7599**

e-ISSN: 1821-2808

UDC: 910/911.3

## CONTENTS

- 1–18 Ana Tasić  
THE LIFE AND WORK OF TOMISLAV RAKIĆEVIĆ
- 19–32 Vesna Ristić Vakanjac, Petar Papić, Radisav Golubović, Boris Vakanjac,  
Marina Čokorilo Ilić, Mladen Jokić  
KARST GROUNDWATER BUDGET AND DISCHARGE REGIME OF  
BANJA SPRING NEAR PETNICA
- 33–42 Boško Milovanović  
AIR TEMPERATURE CHANGES IN SERBIA AND THE BELGRADE  
HEAT ISLAND
- 43–58 Marijana Pantić  
DELINEATION OF MOUNTAINS AND MOUNTAIN AREAS IN  
EUROPE—A PLANNING APPROACH
- 59–76 Ekaterina E. Plyusnina, Dmitry A. Ruban, Pavel P. Zayats  
THEMATIC DIMENSION OF GEOLOGICAL HERITAGE: AN  
EVIDENCE FROM THE WESTERN CAUCASUS
- 77–89 Alexander N. Panin, Vladimir S. Tikunov  
ETHNIC “BAROMETER”: ETHNO-DEMOGRAPHIC AND ETHNO-  
MIGRATION PROCESSES IN THE NORTH CAUCASUS
- 91–106 Israt Ferdous, Maksudur Rahman  
CITIZENS AT RISK FROM EARTHQUAKE HAZARD IN DHAKA CITY:  
SCALING RISK FACTORS FROM HOUSEHOLD TO CITY REGION  
LEVEL
- 107–120 Biraj Kanti Mondal  
SPATIAL EXPLORATION OF THE LITERACY INTENSITY OF  
SUNDARBAN
- 121–122 Aleksandra Spalević  
BOOK REVIEW: ANALYSIS OF HOUSING PREFERENCES IN THE  
CONTEXT OF REURBANIZATION OF BELGRADE
- 123–125 Nina Ćurčić  
COMMENTS AND REVIEW: SEVENTH BIENNIAL CONFERENCE OF  
THE INTERNATIONAL BIOGEOGRAPHY SOCIETY
- 127–129 Aleksa Popadić  
BOOK REVIEW: STAY SAFE AND BE PREPARED: A TEACHER’S  
GUIDE TO DISASTER RISK REDUCTION



*Original scientific paper*

UDC: 911.3

DOI: 10.2298/IJGI1501107M

## **SPATIAL EXPLORATION OF THE LITERACY INTENSITY OF SUNDARBAN**

**Biraj Kanti Mondal\***<sup>1</sup>

\* Assistant Professor, Netaji Subhas Open University, West Bengal, India

Received 22 July 2014; reviewed 30 November 2014; accepted 02 April 2015

**Abstract:** The spatial variations of the literacy intensity of any regions reflect its educational standard and its diverse dimensions of development and Sundarban region of West Bengal is no exception. Education is probably the most important amongst the three elements of human development to quantify the Human Development Index (HDI) for any region. Thus education holds the prime priority for development of all the region and Sundarban is no exception. The literacy level of Sundarban is not far ahead than other backward areas of West Bengal. In the present era of globalization, 'Education for all' has become the matter of human rights. Various developmental schemes of the Central and State Government, like Mid Day Meal (MDM), Sarva Sikhsha Aviyon (SSA) etc. are able to make some positive loop and make a paradigm shift in the educational sector after crossing the first decades of the 21st century. The Sundarban region might be more developed than the present if its literacy echelon and educational sector improves much more. Proper education can make the inhabitants of the region more conscious and aware to do their betterment themselves as well as to save the biodiversity of the mangrove forest area of Sundarban. Thus an attempt has been made to portrait the spatial explorations and developmental scenario along with the regional disparities of the literacy status of Sundarban in the present paper.

**Key words:** Education, HDI, Spatial intensity, Regional disparities, Sundarban

### **Introduction**

Education is one of the main elements among the three to measure Human Development Index (HDI). Thus education holds the prime priority for development of all the region and Sundarban is no exception. So far the educational standard is concern, all the blocks are not highly developed and henceforth they are not equally enlightening for the advancement of the society and strengthening the economic base of Sundarban. Sundarban should be more developed than the present if its educational sector improves much more. Proper education can make the people aware and more conscious about their betterment and necessity to save the forest area of Sundarban.

<sup>1</sup> Correspondence to: m\_biraj@yahoo.com