

# MATHEMATICA MORAVICA

---

## EDITOR-IN-CHIEF

MALIŠA ŽIŽOVIĆ, University of Kragujevac, Čačak

## CO-EDITOR-IN-CHIEF

NADA DAMLJANOVIĆ, University of Kragujevac, Serbia

## ASSOCIATE EDITORS

PRAVEEN AGARWAL, Anand International College of Engineering, Rajasthan, India  
MARTIN BOHNER, Missouri University of Science and Technology, Rolla, USA  
İBRAHİM ÇANAK, Ege University, Izmir, Turkey  
IVANA ĐOLOVIĆ, University of Belgrade, Serbia  
JELENA IGNJATOVIĆ, University of Niš, Serbia  
MAHESH JOSHI, Kumaun University, Nainital, India  
KARIN QUAAS, Leipzig University, Germany  
SHAHRAM REZAPOUR, Azarbaijan Shahid Madani University, Tabriz, Iran  
REZA SAADATI, Iran University of Science and Technology, Tehran, Iran  
RADMILA SAZDANOVIĆ, North Carolina State University, USA  
DEEPA SINHA, South Asian University, Delhi, India

## EDITORS

WILLIAM O. BRAY, Southwest Missouri State University, Springfield, USA  
MIROSLAV ĆIRIĆ, University of Niš, Serbia  
DRAGAN DJURČIĆ, University of Kragujevac, Serbia  
DHANANJAY GOPAL, Sardar Vallabhbhai National Institute of Technology, Surat, India  
SAID HANAFI, Université de Valenciennes et du Hainaut-Cambrésis, France  
SHOUCUAN HU, Southwest Missouri State University, Springfield, USA  
MILJAN KNEŽEVIĆ, University of Belgrade, Serbia  
LJUBIŠA KOČINAC, University of Niš, Serbia  
PETRONIJE S. MILOJEVIĆ, N.J. Institute of Technology, Newark, USA  
GRADIMIR MILOVANOVIĆ, University of Niš, Serbia  
VISHNU NARAYAN MISHRA, Indira Gandhi National Tribal University, Amarkantak, India  
SPASOJE MUČIBABIĆ, University of Defense, Belgrade, Serbia  
RAJENDRA PRASAD PANT, Kumaun University, Nainital, India  
VLADIMIR RAKOČEVIĆ, University of Niš, Serbia  
MARION SCHEEPERS, Boise State University, Boise, Idaho, USA  
HARI MOHAN SRIVASTAVA, University of Victoria, British Columbia, Canada  
China Medical University, Taiwan, Republic of China  
MARIJA STANIĆ, University of Kragujevac, Serbia  
VERA B. STANOJEVIĆ, Southwest Missouri State University, Springfield, USA  
KOSTADIN TRENČEVSKI, St. Cyril and Methodius University, Skopje, Macedonia  
SREE HARI RAO VADREVVU, Jawaharlal Nehru Technological University, Hyderabad, India  
HEIKO VOGLER, Technical University of Dresden, Germany

## HONORABLY EDITORS

STOJAN BOGDANOVIĆ, University of Niš, Serbia  
LEON HALL, University of Missouri, Rolla, USA  
MILUTIN OBRADOVIĆ, University of Belgrade, Serbia  
MILAN R. TASKOVIĆ, University of Belgrade, Serbia

## ADMINISTRATION AND PRODUCTION

MLADEN JANJIĆ, University of Kragujevac, Serbia  
KATARINA PAVLOVIĆ, University of Kragujevac, Serbia

## PUBLISHED BY

FACULTY OF TECHNICAL SCIENCES ČAČAK  
UNIVERSITY OF KRAGUJEVAC

Corresponding address: Svetog Save 65, 32000 Čačak, Serbia

E-mail address: [mmoravica@gmail.com](mailto:mmoravica@gmail.com)

Web address: <http://www.moravica.ftn.kg.ac.rs>

## SUPPORTED BY

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