

ISSN 1450-9628

KRAGUJEVAC JOURNAL OF MATHEMATICS

Volume 50, Number 3, 2026

University of Kragujevac
Faculty of Science

CIP - Каталогизacija y publikaciji
Nародна библиотека Србије, Београд

51

KRAGUJEVAC Journal of Mathematics / Faculty of Science,
University of Kragujevac ; editor-in-chief Suzana Aleksić
. - Vol. 22 (2000)- . - Kragujevac : Faculty of Science, University
of Kragujevac, 2000- (Belgrade : Donat Graf). - 24 cm

Deset puta godišnje. - Delimično je nastavak: Zbornik radova
Prirodno-matematičkog fakulteta (Kragujevac) = ISSN 0351-6962. -
Drugo izdanje na drugom medijumu: Kragujevac Journal of
Mathematics (Online) = ISSN 2406-3045
ISSN 1450-9628 = Kragujevac Journal of Mathematics
COBISS.SR-ID 75159042

Published By: Faculty of Science
University of Kragujevac
Radoja Domanovića 12
34000 Kragujevac
Serbia
Tel.: +381 (0)34 336223
Fax: +381 (0)34 335040
Email: krag_j_math@kg.ac.rs
Website: <http://kjm.pmf.kg.ac.rs>

Designed By: Thomas Lampert

Front Cover: Željko Mališić

Printed By: Donat Graf, Belgrade, Serbia
In 2026, the journal is published in one volume with ten issues.

Editor-in-Chief:

- Suzana Aleksić, University of Kragujevac, Faculty of Science, Kragujevac, Serbia

Associate Editors:

- Tatjana Aleksić Lampert, University of Kragujevac, Faculty of Science, Kragujevac, Serbia
- Đorđe Baralić, Mathematical Institute of the Serbian Academy of Sciences and Arts, Belgrade, Serbia
- Dejan Bojović, University of Kragujevac, Faculty of Science, Kragujevac, Serbia
- Bojana Borovićanin, University of Kragujevac, Faculty of Science, Kragujevac, Serbia
- Nada Damljanović, University of Kragujevac, Faculty of Technical Sciences, Čačak, Serbia
- Slađana Dimitrijević, University of Kragujevac, Faculty of Science, Kragujevac, Serbia
- Jelena Ignjatović, University of Niš, Faculty of Natural Sciences and Mathematics, Niš, Serbia
- Boško Jovanović, University of Belgrade, Faculty of Mathematics, Belgrade, Serbia
- Emilija Nešović, University of Kragujevac, Faculty of Science, Kragujevac, Serbia
- Marko Petković, University of Niš, Faculty of Natural Sciences and Mathematics, Niš, Serbia
- Nenad Stojanović, University of Kragujevac, Faculty of Science, Kragujevac, Serbia
- Tatjana Tomović Mladenović, University of Kragujevac, Faculty of Science, Kragujevac, Serbia
- Milica Žigić, University of Novi Sad, Faculty of Science, Novi Sad, Serbia

Editorial Board:

- Ravi P. Agarwal, Department of Mathematics, Texas A&M University-Kingsville, Kingsville, TX, USA
- Drađić Banković, University of Kragujevac, Faculty of Science, Kragujevac, Serbia
- Richard A. Brualdi, University of Wisconsin-Madison, Mathematics Department, Madison, Wisconsin, USA
- Bang-Yen Chen, Michigan State University, Department of Mathematics, Michigan, USA
- Claudio Cuevas, Federal University of Pernambuco, Department of Mathematics, Recife, Brazil
- Miroslav Ćirić, University of Niš, Faculty of Natural Sciences and Mathematics, Niš, Serbia
- Sever Dragomir, Victoria University, School of Engineering & Science, Melbourne, Australia

- Vladimir Dragović, The University of Texas at Dallas, School of Natural Sciences and Mathematics, Dallas, Texas, USA and Mathematical Institute of the Serbian Academy of Sciences and Arts, Belgrade, Serbia
- Paul Embrechts, ETH Zurich, Department of Mathematics, Zurich, Switzerland
- Ivan Gutman, University of Kragujevac, Faculty of Science, Kragujevac, Serbia
- Nebojša Ikodinović, University of Belgrade, Faculty of Mathematics, Belgrade, Serbia
- Mircea Ivan, Technical University of Cluj-Napoca, Department of Mathematics, Cluj- Napoca, Romania
- Sandi Klavžar, University of Ljubljana, Faculty of Mathematics and Physics, Ljubljana, Slovenia
- Giuseppe Mastroianni, University of Basilicata, Department of Mathematics, Informatics and Economics, Potenza, Italy
- Miodrag Mateljević, University of Belgrade, Faculty of Mathematics, Belgrade, Serbia
- Gradimir Milovanović, Serbian Academy of Sciences and Arts, Belgrade, Serbia
- Sotirios Notaris, National and Kapodistrian University of Athens, Department of Mathematics, Athens, Greece
- Miroslava Petrović-Torgašev, University of Kragujevac, Faculty of Science, Kragujevac, Serbia
- Stevan Pilipović, University of Novi Sad, Faculty of Sciences, Novi Sad, Serbia
- Juan Rada, University of Antioquia, Institute of Mathematics, Medellin, Colombia
- Stojan Radenović, University of Belgrade, Faculty of Mechanical Engineering, Belgrade, Serbia
- Lothar Reichel, Kent State University, Department of Mathematical Sciences, Kent (OH), USA
- Miodrag Spalević, University of Belgrade, Faculty of Mechanical Engineering, Belgrade, Serbia
- Hari Mohan Srivastava, University of Victoria, Department of Mathematics and Statistics, Victoria, British Columbia, Canada
- Marija Stanić, University of Kragujevac, Faculty of Science, Kragujevac, Serbia
- Kostadin Trenčevski, Ss Cyril and Methodius University, Faculty of Natural Sciences and Mathematics, Skopje, Macedonia
- Boban Veličković, University of Paris 7, Department of Mathematics, Paris, France
- Leopold Verstraelen, Katholieke Universiteit Leuven, Department of Mathematics, Leuven, Belgium

Technical Editor:

- Tatjana Tomović Mladenović, University of Kragujevac, Faculty of Science, Kragujevac, Serbia

KRAGUJEVAC JOURNAL OF MATHEMATICS

About this Journal

The *Kragujevac Journal of Mathematics* (KJM) is an international journal devoted to research concerning all aspects of mathematics. The journal's policy is to motivate authors to publish original research that represents a significant contribution and is of broad interest to the fields of pure and applied mathematics. All published papers are reviewed and final versions are freely available online upon receipt. Volumes are compiled and published and hard copies are available for purchase. The journal appears in one volume annually, with the publication frequency increasing over time: four issues per annum (2018–2020), six issues per annum (2021–2025), and ten issues per annum commencing from 2026.

During the period 1980–1999 (volumes 1–21) the journal appeared under the name *Zbornik radova Prirodno–matematičkog fakulteta Kragujevac* (Collection of Scientific Papers from the Faculty of Science, Kragujevac), after which two separate journals—the *Kragujevac Journal of Mathematics* and the *Kragujevac Journal of Science*—were formed.

Instructions for Authors

The journal's acceptance criteria are originality, significance, and clarity of presentation. The submitted contributions must be written in English and be typeset in \TeX or \LaTeX using the journal's defined style (please refer to the Information for Authors section of the journal's website <http://kjm.pmf.kg.ac.rs>). Papers should be submitted using the online system located on the journal's website by creating an account and following the submission instructions (the same account allows the paper's progress to be monitored). For additional information please contact the Editorial Board via e-mail (krag_j_math@kg.ac.rs).