

IMVI

*Journal
of
the International Mathematical Virtual Institute
5(2015)*

JSSN (p) 2303-4866, JSSN (a) 2303-4947

Journal of the International Mathematical Virtual Institute is edited and published by
International Mathematical Virtual Institute
www.imvibl.org.

Journal of the International Mathematical Virtual Institute is a continuation of the earlier publication *Bulletin of the Society of Mathematicians Banja Luka*, ISSN 0354-5792 (p), 1986-521X (o) which was founded in 1994 and whose last issue Vol. 17(2010).

Journal of the International Mathematical Virtual Institute publishes original longer papers (15 or more pages) in all fields of mathematics that contained new, substantial and significant results, with complete proofs and of interest for a large number of mathematicians. Papers are published in English.

Instruction to authors. Manuscripts must be in their final form and prepared in accordance with the instructions provided below. A PDF or TeX file should be sent to the Manager Editors or one of the Associate Editors. After a paper has been accepted, authors may submit a TeX file of their paper in electronic form.

The authors are cordially invited to submit papers online. Manuscripts submitted to this journal will be considered for publication with the understanding that the same work has not been published and is not under consideration for publication elsewhere. The papers submitted to the journal are refereed within 6 months. Papers are refereed in the traditional manner, with two anonymous referees. Authors will have an opportunity to make final correction before publication. The corresponding author will receive the issue of the journal and 20 complementary reprints.

Editor in chief: **YIXUN SHI**, Bloomsburg, USA, yshi@bloomu.edu

Associate editors:

ANDREAS ARVANITOYEORGOS, Patras, Greece, arvanito@math.upatras.gr

KRASSIMIR T. ATANASSOV, Sofia, Bulgaria, k.t.atanassov@gmail.com

EDOARDO BALLICO, Trento, Italy, ballico@science.unitn.it

BARNABAS BEDE, Budapest, Hungary, bede.barna@bgk.bmf.hu

SINIŠA CRVENKOVIĆ, Novi Sad, Serbia, sima@eunet.rs

SEVER S. DRAGOMIR, Melbourne, Australia, Sever.Dragomir@vu.edu.au

PENTTI HAUKKANEN, Tampere, Finland, pentti.haukkanen@uta.fi

KYUNG HO KIM, Chungju, Korea, ghkim@cjnu.ac.kr

FLORIAN LUCA, Morelia, Mexico, email: fluca@matmor.unam.mx

MOHAMMAD SAL MOSLEHIAN, Mashhad, Iran, moslehian@um.ac.ir

EDWARD NEUMAN, Carbondale, USA, edneuman@math.siu.edu

DUŠAN PAGON, Maribor, Slovenia, dusan.pagon@uni-mb.si

BILJANA POPOVIĆ, Niš, Serbia, bipop@pmf.ni.ac.rs

ANDREA TEPAVČEVIĆ, Novi Sad, Serbia, etepavce@EUnet.rs

JOZSEF SANDOR, Cluj, Romania, jsandor@math.ubbcluj.ro

SANDOR V.E.S. SZABO, Budapest, Hungary, sszabo@math.bme.hu

Managing editor: **Daniel A. Romano**, daniel.a.romano@hotmail.com