Notes on Number Theory and Discrete Mathematics
Print ISSN 1310–5132, Online ISSN 2367–8275
2026, Volume 32, Number 4, 655-657
DOI: 10.7546/nntdm.2026.32.4.655-657

József Sándor at 70: A tribute to our colleague and fellow editor



On the occasion of the seventieth birthday of Professor József Sándor, on 19 November 2026, we extend our warmest congratulations to our colleague and fellow Editor-in-Chief of *"Notes on Number Theory and Discrete Mathematics"*. This anniversary offers a welcome opportunity to celebrate his extensive contributions to mathematics and to acknowledge his longstanding service to our journal and the international mathematical community.

József Sándor was born in Forțeni (Farcád), near Odorheiu Secuiesc (Székelyudvarhely), Romania. He attended schools in Forțeni, Tăureni (Bikafalva) and Odorheiu Secuiesc, and graduated from Babeș-Bolyai University in Cluj-Napoca (Kolozsvár) in 1980. After three years of teaching and mathematical research in Sibiu (Nagyszeben, Hermannstadt), he returned to the Odorheiu Secuiesc region, where he taught in schools and colleges. In 1997, he joined the academic staff in mathematics and computer science at Babeș-Bolyai University, where he remained until his retirement in 2021.

Copyright © 2026 by the Authors. This is an Open Access paper distributed under the terms and conditions of the Creative Commons Attribution 4.0 International License (CC BY 4.0). https://creativecommons.org/licenses/by/4.0/

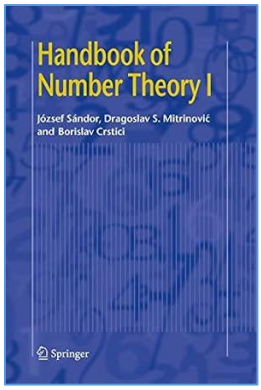
His research began in 1978, while he was still a student. His early publications in number theory and mathematical analysis marked the beginning of a remarkably productive career, now spanning almost five decades. An early paper on the irrationality of certain infinite series continues to attract citations, illustrating the enduring interest of questions that engaged him at the outset of his mathematical work.

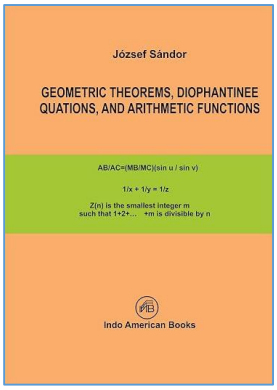
Over the years, his research has extended across number theory, mathematical analysis, geometry and geometric inequalities, special functions, the theory of means, inequalities and functional analysis. His studies of convexity properties of functions related to Euler's gamma function have found a place in subsequent books and research papers. Alongside these mathematical investigations, he has maintained an interest in the history of mathematics, particularly in the study of the Bolyai legacy.

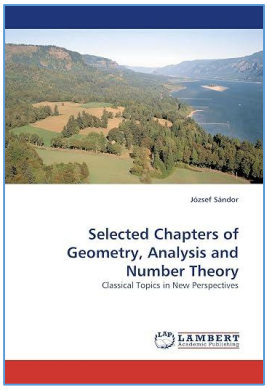
A characteristic feature of Professor Sándor's work is his sustained engagement with concrete problems and his search for clear and elegant arguments and refinements. His contributions include solutions to problems concerning the gamma function, prime numbers, Diophantine equations, arithmetic functions and the approximation of functions. He has also obtained simpler proofs of results previously established by more elaborate methods. This pursuit of economy and insight reflects a mathematical ideal familiar to all who appreciate the beauty of a well-chosen argument.

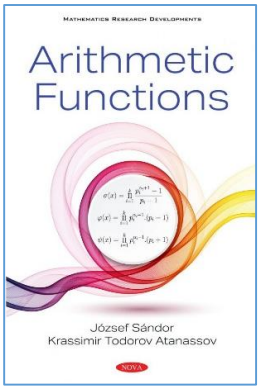
His books constitute another substantial part of his contribution. His first volume, *"Geometric Inequalities"*, appeared in Hungarian in 1988, published by Dacia in Cluj, and attracted the attention of researchers beyond its original linguistic readership. The *"Handbook of Number Theory"*, written with D. S. Mitrinović and B. Crstici and published by Kluwer in the mid-1990s, and the two subsequent Springer volumes *"Handbook of Number Theory"*, volumes *I* and *II*, brought together a wealth of results and references for researchers in the field. His other books include *"Geometric Theorems and Arithmetic functions"* (e-book in 2001, USA), *"Geometric Theorems, Diophantine Equations and Arithmetic functions"* (2002, USA), *"Selected Chapters of Geometry, Analysis and Number Theory: Classical Topics in New Perspectives"* (2009, Germany). These titles also illustrate his continuing interest in connections between different branches of mathematics.

A particularly meaningful recent publication is *"Arithmetic Functions"*, written jointly with one of the present authors, Krassimir T. Atanassov, and published by *Nova Science Publishers* in 2021. The book grew out of a collaboration whose beginnings reach back to the 1980s. It reflects a shared interest in classical arithmetic functions, their extensions and the inequalities linking them, as well as the lasting value of mathematical dialogue across national borders.









With more than 1,300 papers published in journals worldwide, Professor Sándor has assembled an exceptionally extensive body of work. His influence is also reflected in mathematical terminology associated with his name, including Sándor-type functions, Sándor arithmetic inequalities, the Neuman–Sándor mean, the Sándor mean and the Sándor–Szabó method. These associations testify to the continued development and use of his ideas by other researchers.

His service to mathematics extends well beyond his own publications. He has held editorial responsibilities with more than twenty international journals and has contributed as a reviewer to *Mathematical Reviews* and *Zentralblatt für Mathematik*, receiving recognition as a Distinguished Reviewer of the latter in 2010. His professional affiliations include mathematical societies in Europe, America and Asia, and he is an external member of the public body of the Hungarian Academy of Sciences. Among his honours are the 2016 Award "For the Science in Udvarhely-Region" and the 2023 "Master of Science in Transylvania" Award, bestowed by the Academic University Council of Cluj, Romania, in recognition of his outstanding scientific lifetime achievement.

For the readers of *"Notes on Number Theory and Discrete Mathematics"*, and especially for us as his fellow Editors-in-Chief, this anniversary has a particular significance. Our shared editorial work is an important part of a longstanding mathematical association. We value the breadth of knowledge and sustained commitment that József brings to the journal, and we gratefully acknowledge his contribution to its scholarly life.

Dear József, on your seventieth birthday, we offer our heartfelt congratulations and our sincere thanks for the years of collaboration. We wish you good health, happiness and many further years of mathematical discovery. May the questions that have inspired your work continue to bring you the pleasure of new insights, elegant proofs and fruitful exchanges with colleagues and friends!

Krassimir T. Atanassov
Anthony G. Shannon

Fellow Editors-in-Chief of International Journal
"Notes on Number Theory and Discrete Mathematics"