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RECENT METHODS IN APPROXIMATION THEORY

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DESCRIPTION

The special issue is devoted to most recent studies on approximation theory which has an extensive applications in many branches of sciences such as, computer aided geometric design, automotive industry, image processing in medical, civil engineering, etc. Beyond these applications in interdisciplinary, the theory has important implications in applied mathematics. It has different aspects including, among the others, approximation by linear positive operators, approximation processes in quantum and post-quantum calculus, sampling type series, and their applications.

The aim of this special issue is to collect most recent and constructive studies being in this direction.

In this special issue of *Demonstratio Mathematica* we aim to attract original research as well as review articles that highlight recent advances in approximation methods from the point of view of the theory and of the applications.

Potential topics include but are not limited to:

- Approximation by linear/nonlinear operators
- Approximation by integral operators
- Simultaneous approximation
- Multidimensional problems in approximation theory
- Approximation methods in quantum and post-quantum calculus
- Sampling series and their convergence
- Applications of recent approximation methods in engineering and biomedical problems

Authors are requested to submit their full revised papers complying the general scope of the journal. The submitted papers will undergo the standard peer-review process before they can be accepted. Notification of acceptance will be communicated as we progress with the review process.

HOW TO SUBMIT

Before submission authors should carefully read the Instruction for Authors.

Manuscripts have to be written in LATEX, AMS-TEX, AMS-LATEX. We do not accept papers in Plain TEX format. **For an initial submission, the authors are strongly advised to upload their entire manuscript, including tables and figures, as a single PDF file.** Authors are strongly advised to submit the final version of the paper using the journal's LATEX template.

All submissions to the Special Issue must be made electronically via online submission system Editorial Manager and will undergo the standard peer-review process (single blind, at least two independent reviewers). When entering your submission choose the section/category *"Special Issue on Recent Methods in Approximation Theory"*.

Submission of a manuscript implies that the work described has not been published before and it is not under consideration for publication elsewhere.

The deadline for submissions is 28th February 2022, but individual papers will be reviewed and published online on an ongoing basis.

Contributors to the Special Issue will benefit from:

- indexation in **Web of Science (Emerging Sources Citation Index), SCOPUS, zbMATH, MathSciNet**
- comprehensive and transparent peer review provided by experts in the field
- no space constraints
- **no submission charge**; article publication charge - **75% discount** will be applied
- **quick publication** after completing the publishing process **(continuous publication model)**
- better visibility due to **Open Access**
- **long-term preservation** of the content (articles archived in Portico)
- **liberal policies on copyrights** (authors retain copyrights) and on self-archiving (no embargo periods)

We are looking forward to your submission!

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