

FRACTIONAL PROBLEMS WITH VARIABLE-ORDER OR VARIABLE EXPONENTS

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DESCRIPTION

In recent years, fractional problems have begun to be introduced into Sobolev and Orlicz space and gradually generated the fractional Sobolev and Orlicz theory. These theories have attracted extensive attention from many scholars worldwide. They have been widely used in the fields of mathematics, finance, physics, and chemistry.

This thematic special issue in *Open Mathematics* is devoted to the publication of collecting original and high-quality research and review articles related to the development of the theory and method of fractional equations with variable exponents and their applications. We welcome in-depth studies of existing problems and some problems that have never been solved. We encourage submissions relating to new embedding theorems and inequalities of Sobolev and Orlicz space and the related problems in the theory.

Contributions to the Special Issue may address (but are not limited) to the following aspects:

- ▶ Fractional singular problems with variable exponents
- ▶ Variational methods and their application
- ▶ Fractional differential problems with variable exponents
- ▶ Fractional Schrodinger equations with variable exponents
- ▶ Fractional magnetic operator equations with variable exponents
- ▶ Variable-order fractional problems
- ▶ Fractional Sobolev and Orlicz space and their applications
- ▶ Embedding theorems and inequalities of Sobolev and Orlicz space
- ▶ Critical point theorems and their applications
- ▶ Fractional Kirchhof equations and their applications
- ▶ Fractional variable exponent problems with logarithmic nonlinear terms
- ▶ Fractional Choquard type problems with critical variable exponents

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, available online at: www.degruyter.com/publication/journal_key/MATH/downloadAsset/MATH_Instruction_for_Authors.pdf.

Manuscripts can be written in TeX, LaTeX (strongly recommended) - the journal's [LATEX template](#). Please note that we do not accept papers in Plain TEX format. Text files can be also submitted as standard DOCUMENT (.DOC) which is acceptable if the submission in LATEX is not possible. **For an initial submission, the authors are strongly advised to upload their entire manuscript, including tables and figures, as a single PDF file.**

All submissions to the Special Issue must be made electronically via online submission system Editorial Manager: www.editorialmanager.com/openmath.

All manuscripts will undergo the standard peer-review process (single blind, at least two independent reviewers). When entering your submission via online submission system please choose the option "*Special Issue on Fractional Problems with Variable-Order or Variable Exponents*".

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

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

Contributors to the Special Issue will benefit from:

- ▶ critical peer-review
- ▶ no space constraints
- ▶ quick online publication upon completing the publishing process (**continuous publication model**)
- ▶ content converting to xml
- ▶ better visibility due to **Open Access** – free, unrestricted and permanent access to all the content
- ▶ **liberal policies on copyrights** (authors retain copyrights) and on self-archiving (no embargo periods)
- ▶ promotion of published papers to readers and citers
- ▶ **long-term preservation** – content archiving with Portico

We are looking forward to your submission!

In case of any questions please contact:

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