Special Issue Title:

Morrey Type Spaces and Areas of Application

Journal Name:

Romanian Journal of Mathematics and Computer Science

(MathSciNet)

Journal Title	Romanian Journal of Mathematics and Computer Science
Special Issue Title	Morrey Type Spaces and Areas of Application
Deadline for Submission	3 months ☐X 6 months ☐ 9 months ☐ 12 months ☐

This Special Issue intends to collect research achievements concerning Morrey type Spaces. Novel insights as well as fundamental research on the topics are warmly

welcomed. Your submissions along with your ingenious works are expected.

Lead Guest Editor Information:

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Description:

The classical Morrey spaces have been introduced by Morrey to study the local behavior of solutions of second order elliptic partial differential equations(PDEs) in 1938. In recent years there has been an explosion of interest in the study of the boundedness of operators on Morrey-type spaces. It has been obtained that many properties of solutions to PDEs are concerned with the boundedness of some operators on Morrey-type spaces. In fact, better inclusion between Morrey and Hölder spaces allows to obtain higher regularity of the solutions to different elliptic and parabolic boundary problems. Moreover, various Morrey spaces are defined in the process of study. Mizuhara has introduced the generalized Morrey spaces; Komori and Shirai have defined the weighted Morrey spaces; Guliyev has given a concept of generalized weighted Morrey spaces which could be viewed as extension of both generalized Morrey and weighted Morrey spaces. The boundedness of some operators such as Hardy-Littlewood maximal operator, the fractional integral operator as well as the fractional maximal operator and the Calderón-Zygmund singular integral operator and with rough kernels on these Morrey type spaces have been obtained. The aim of this special issue is to take up the recent development of Morrey type spaces.

As a result, with this special issue, I aim to bring academic scientists, researchers and scholars together in order to exchange and share their experiences and research results about all aspects of Morrey type Spaces. As one of the scholars in this field, we hope you can join the special issue to convey your ideas, intellect and experiences. Your dedication will be of particular value to the scientific community. Novel insights as well as fundamental research and analysis around the topic of the special issue are welcome. If you have discovered anything new in this field, be sure to share them with us to help inspire more academic peers.

From the recent papers, we feel that the following topics are remarkable. But, the scope of the journal includes but not limited to :

1-Equivalent expression of Morrey type spaces

2-Precise estimate of the fractional integral operators

3-Morrey type spaces as initial value

4-Rough integral operators and multilinear operators

5-Weighted estimates

6-Morrey type spaces on general geometric measure spaces

7-Role of each parameter.

8-Related function spaces

Aims and Scope of Your Special Issue:

1. Real and Harmonic Analysis

2. Complex Analysis

3. Fourier Analysis

4. Functional Analysis and Operator Theory

5. Approximations and Expansions

6. Fixed Point Theory

7. Special Functions

Other Considerations:

Important Dates:

Status: Open

Paper Submission Deadline: 31 December 2020

Note: No submission or processing fees are required.

Note: An author wishing to submit a paper to the RJM-CS for special issue should send it by email to "rjm@rjm-cs.ro" or "feritgurbuz@hakkari.edu.tr". All correspondence, including notification of the Editor's decision and requests for revision, takes place electronically. An author must submit only one paper.

If you have any questions, please feel free to contact me.

The Lead Guest Editor

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Ferit GÜRBÜZ received his BSc (Maths), MSc (Maths) and PhD (Maths) degrees from Ankara University, Ankara, Turkey in 2008, 2011 and 2015, respectively. At present, he is working as an Associate Professor Doctor in the Department of Mathematics Education at Hakkari University (Turkey). His research interests focus on harmonic analysis, Morrey type spaces, singular integrals, maximal operators, Riesz potential, Marcinkiewicz integrals associated with Schrödinger operators, rough kernel. He has served over 32 Journals in the capacity of an Editor and Reviewer. He is written by so many articles.