

## Symmetry with Operator Theory and Equations

Guest Editor:

**Prof. Dr. Ioannis Argyros**

Department of Mathematical  
Sciences, Cameron University,  
Lawton, OK 73505, USA

Deadline for manuscript  
submissions:

**closed (31 August 2019)**

### Message from the Guest Editor

Dear Colleagues,

The recent literature is full of articles on symmetry as well as operator theory which establish the existence of solutions for equations involving ambient space valued operators. A plethora of real-life problems from diverse disciplines such as Mathematics, Mathematical: Biology, Chemistry, Physics, Medicine, Economics, Scientific Computing, Optimization, Computational Sciences, and also Engineering are converted to equations in suitable places utilizing Mathematical Modelling. Researchers and practitioners alike desire the solutions to be in exact form. However, this is possible only in certain cases. This forces them to resort to introducing iterative procedures where a sequence is generated that converges preferably fast to a solution of the equation at hand under certain conditions on the initial data. We were motivated by the above and have decided to initiate this Special Issue so that we can gather original articles in this exciting area of Mathematics. Open problems are also welcome. Articles in related areas will also be considered for publication in this Issue.





an Open Access Journal by MDPI

## Editor-in-Chief

### Prof. Dr. Sergei D. Odintsov

1. Institució Catalana de Recerca  
i Estudis Avançats (ICREA),  
Passeig Luis Companys, 23,  
08010 Barcelona, Spain  
2. Institute of Space Sciences  
(ICE-CSIC), C. Can Magrans s/n,  
08193 Barcelona, Spain

## Message from the Editor-in-Chief

Symmetry is ultimately the most important concept in natural sciences. It is not surprising then that very basic and fundamental research achievements are related to symmetry. For instance, the Nobel Prize in Physics 1979 (Glashow, Salam, Weinberg) was received for a unified symmetry description of electromagnetic and weak interactions, while the Nobel Prize in Physics 2008 (Nambu, Kobayashi, Maskawa) was received for the discovery of the mechanism of spontaneous breaking of symmetry, including CP symmetry. Our journal is named *Symmetry* and it manifests its fundamental role in nature.

## Author Benefits

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility:** indexed within Scopus, SCIE (Web of Science), CAPlus / SciFinder, Inspec, Astrophysics Data System, and other databases.

**Journal Rank:** JCR - Q2 (*Multidisciplinary Sciences*) / CiteScore - Q1 (*General Mathematics*); Q1 (*Physics and Astronomy*); Q1 (*Computer Science*)

## Contact Us

Symmetry Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
www.mdpi.com

mdpi.com/journal/symmetry  
symmetry@mdpi.com  
X@Symmetry\_MDPI