



Special Issue on
Mathematical Modelling of Natural Phenomena

Call for Papers

Mathematics is an extraordinary exercise of the human mind in abstracting the results of observation to find similarities and differences between phenomena. These relations between phenomena make it possible to organize the natural world into discrete sets of objects that can be studied using similar mathematical objects and methods. Nature, as an object of mathematical study, bridges the gap between the concreteness of the everyday environment and the abstraction of mathematics. Mathematics, in turn, allows us to summarize, formalize, interpolate, and extrapolate from observations that have been recorded. The mathematical concept of a function is critical to defining relations between variable phenomena, particularly phenomena that can be described using two variables. Mathematical functions can be used for both summarization and prediction. As an indispensable interdisciplinary in natural science and mathematics, **mathematical modelling of natural phenomena** is of great attractions to researchers.

In this special issue, we invite front-line researchers and authors to submit original research and review articles that explore **mathematical modelling of natural phenomena**. In this special issue, potential topics include, but are not limited to:

- Hybrid models in biology
- Micro-nanophenomena
- Plankton modelling
- Non local reaction-diffusion equations
- Model of biological evolution
- Mathematical prediction in natural disaster

Authors should read over the journal's [Authors' Guidelines](#) carefully before submission. Prospective authors should submit an electronic copy of their complete manuscript through the journal's [Paper Submission System](#).

Please kindly note that the “**Special Issue**” under your manuscript title should be specified and the research field “**Special Issue - Mathematical Modelling of Natural Phenomena**” should be selected during your submission.

Also please note the following timetable:

Submission Deadline	April 15th, 2015
Publication Date	June 2015



Guest Editor:

For further questions or inquiries
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