# Fractal Dimensions with Applications in the Real World

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## Message from the Guest Editors

The concept of fractals was introduced by B. Mandelbrot in the last 1970s as a class of highly irregular sets often presenting with infinite complexity, self-similarity and the nonintegral Hausdorff dimension. It has had a great impact in the development of mathematics and many other disciplines of science. In mathematics, fractal originates in chaos and dynamic systems, and soon after it was found that fractals appear in almost every area and are susceptible to systematic studies using classical and contemporary methods. In the last four decades, a large part of fractal research has been related to the dimension theories and structures of self-similar sets and measures.

The aim of this Special Issue is to present the up-to-date progress in fractal dimensions and their various applications to the real world.

**Special** Issue