

Mathematics—An Open Access Journal

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As is widely known, mathematics plays a unique role in all natural sciences as a refined scientific language and powerful research tool. Indeed, most of the fundamental laws of nature are written in mathematical terms and we study their consequences by numerous mathematical methods (and *vice versa*, any essential progress in a natural science has been accompanied by fruitful developments in mathematics). In addition, the mathematical modeling in various interdisciplinary problems and logical development of mathematics on its own should be taken into account. As a result, modern mathematics is one of the most evolved scientific disciplines of our time [1–3].

The new journal *Mathematics* is an international, open access journal which provides an advanced forum for studies related to mathematical sciences. The scope of the journal presents a very broad vision of the nature of mathematics—from practical and experimental, or intuitive, vision (Vladimir I. Arnol'd [4,5]) to a highly abstract one (the Bourbaki [6]); from Aristotle's definition of mathematics as "the science of quantity" to "Mathematics is what mathematicians do!" (in German, "Die Mathematik ist das, was kompetente Leute darunter verstehen.", is attributed to David Hilbert [7]).

Serious consideration will be given to high-quality reviews, original research papers and short communications in all areas of pure and applied mathematics which are of interest to many mathematicians and scientists. There is no restriction on the length of the papers and we encourage everyone to present a full account of their research so that the results can be understood, for example by advanced graduate students. The quality of the published articles will be assured by an efficient yet rigorous peer-review process.

On behalf of the Editorial Board, I would like to extend a warm welcome to *Mathematics'* contributors—together we can maintain a top-ranking scientific journal for many years to come.

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