



Logic and Science

Guest Editor:

Dr. Fabien Paillusson

School of Engineering and
Physical Sciences, University of
Lincoln, Lincoln LN6 7TS, UK

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Message from the Guest Editor

Is there a logic to science? If so, what is its nature? While some have argued that probability theory was the overarching logic of science, some may take issue with this thesis; disputing it to be a valid descriptive or prescriptive claim. Furthermore, what can be said of other logical threads within individual disciplines or theories? Are they all of the same kind and, if a logic is identifiable, does it contribute to constraints (e.g. consistency) that a "good theory" should have in a given discipline?

By addressing the aforementioned concerns or related questions, this Special Issue of *Philosophies* aims to bring together logic and philosophy of science in an original and contemporary light.





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Prof. Dr. Marcin J. Schroeder
The Faculty of International
Liberal Arts, Akita International
University, Akita 010-1292, Japan

Message from the Editor-in-Chief

Philosophies searches for the syntheses of philosophical and scientific inquiries. It promotes philosophical work that is derived from the experience of diverse scientific disciplines and cultures. Multiple philosophies already exist — those of logic, information, computation, natural and artificial life, natural or artificial intelligence, complexity, technology, etc. Our mission is not to abandon philosophical roots and traditions of inquiry, but to promote the development of philosophical foundations and effective methodologies derived from diverse scientific explorations, and intended to enhance these explorations as to generate deeper and more holistic knowledge. Innovation may also be achieved through the cultural dimension. Other cultures can offer from their heritage a diversity of resources for exploration; these resources can also contribute to the emergent synthesis of philosophical inquiry.

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Philosophies Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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