



## The Meaning of Life in the Universe

Guest Editor:

**Prof. Dr. Rainer E.  
Zimmermann**

1. General Studies Department,  
UAS Munich, 80335 München,  
Germany

2. Clare Hall, University of  
Cambridge, Cambridge CB3 9AL,  
UK

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### Message from the Guest Editor

Beyond the various topics of generalized geophysics and biology, the not only physical but also philosophical question arises for the explicit function of life within a physical universe. The idea is to visualize life as a complex physical system among others supporting the cosmic tendency of maximizing complexity (Stuart Kauffman). The meaning of life, then, shows up as life's function within the constituents of the universe which itself is being visualized as a maximal system. Research on these basic questions also has to ask for the philosophical foundations of physics and biology, taking care of the metaphysical discrepancy between the world as it is observed and the world as it really is. The concept of system itself, e.g., depends on epistemological aspects rather than on ontological aspects of the world. Hence, when we ask for the meaning of life in the universe, it is also necessary to reflect on the epistemological loop of self-reference, which is a consequence of the fact that human beings are a species that tries to illuminate what is producing it, including its epistemological instruments of cognitive perceptions in the first place.





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The Faculty of International  
Liberal Arts, Akita International  
University, Akita 010-1292, Japan

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*Philosophies* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
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