

Special Issue

Recent Trends in Prebiotic Chemistry

Message from the Guest Editor

This issue seeks to explore a very broad spectrum of topics related to the inventory of organic and inorganic chemicals on early Earth, as well as the chemical evolution, prebiotic synthesis and emergence of life. Our aim is to highlight original research that deepens our understanding of life's origins while offering fresh perspectives on the future of the field. We invite researchers to contribute manuscripts that address, but are not limited to, the following foundational and emerging topics within an emphasis on recent trends in the origins of life and related disciplines: - Roles of meteorites in the origin of life; - Prebiotic chemical synthesis; - Early metabolic cycles; - Modern analog sites to understand early Earth and origin of life; - Challenges in prebiotic synthesis; - Self-assembly and autocatalytic reactions; - Mineral, clay, and salt induced prebiotic synthesis; - Condensation, dehydration including wet-dry cyclic reactions; - Messy chemistry; - The evolution of earliest life; - The impact of prebiotic chemistry on the quest for extraterrestrial biosignatures; - Analytical techniques to study prebiotic chemical reactions; - Interstellar syntheses; - Meteoritics; - Astrophysics.

Guest Editor

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Message from the Editor-in-Chief

Life (ISSN 2075-1729) is an international, peer-reviewed open access journal that publishes scientific studies related to fundamental themes in life sciences. Some papers are published individually, while others are submitted for inclusion in special issues with guest editors. You are invited to contribute a research article, essay, or a review to be considered for publication.

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