1. Record Nr. UNINA9910367749403321 Autore Fiore Michele Titolo The origin and Early Evolution of Life: Prebiotic Chemistry of Biomolecules / / Michele Fiore Pubbl/distr/stampa MDPI - Multidisciplinary Digital Publishing Institute, 2019 Basel, Switzerland:,: MDPI,, 2019 **ISBN** 9783039216079 3039216074 Descrizione fisica 1 electronic resource (288 p.) Soggetti Chemistry Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Sommario/riassunto Studying the origin of life is one of man's greatest achievements over the last sixty years. The fields of interest encompassed by this quest are multiple and interdisciplinary: chemistry, physics, biology, biochemistry, mathematics, geology but also statistics, atmospheric science, meteorology, oceanography, and astrophysics. Recent scientific discoveries, such as water on Mars and the existence of super-Earths with atmospheres similar to primordial Earth, have pushed researchers to simulate prebiotic conditions in explaining the abiotic formation of molecules essential to life. This collection of articles offers an overview of recent discoveries in the field of prebiotic chemistry of biomolecules, their formation and selection, and the

evolution of complex chemical systems.