Record Nr. UNINA9910450383403321 Perspectives in astrobiology [[electronic resource] /] / edited by R.B. **Titolo** Hoover, A. Yu Rozanov and R. Paepe Pubbl/distr/stampa Amsterdam;; Oxford,: IOS Press, c2005 **ISBN** 1-280-50482-X 9786610504824 1-4294-0242-3 1-60750-115-5 600-00-0518-0 1-60129-096-9 Descrizione fisica 1 online resource (232 p.) Collana NATO science series. Series I, Life and behavioural sciences, , 1566-7693 ; ; v. 366 Altri autori (Persone) HooverRichard B RozanovAlekse{caron}i li <U+00cc>{inodot}Ur'evich PaepeRoland Disciplina 576.839 Soggetti Exobiology Life on other planets Electronic books. Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Includes bibliographical references and index. Nota di bibliografia Title page: Preface: Acknowledgements: NATO Participants: List of Nota di contenuto Student Participants; Contents; Nature of Framboidal Structures in Black Shales (the Cambrian of the Siberian Platform and the Permian of the Barents Sea Shelf); Bacteriomorphic Structures From the Sinsk Formation (Lower Cambrian of the Siberian Platform); Constraining Subglacial Settings Using Clay-Supported Ice Rafted Detritus (Mud Grains) in Antarctic Marine Sediment: A Framework for Astrobiology; Apsidal Motion Problem in the Eclipsing Binary Star DR Vulpeculae; Amino Acids: Probes for Life's Origin in the Solar System Mineralization of CyanobacteriaMicrofossils, Biominerals, and Chemical Biomarkers in Meteorites; Survival of Microorganisms in Space, an Experimental Contribution to the Discussion on Viable Transfer of Life

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Sommario/riassunto

Astrobiology is the multi-disciplinary field devoted to the investigation of the origin; physical, chemical and environmental limitations; and the distribution in space and time of life on Earth and in the Cosmos. Astrobiology seeks an answer to one of the most fundamental of all questions: - Is Life Restricted to Planet Earth or is Life a Cosmic Imperative? Understanding the characteristics, properties, habits and diversity of living organisms on Earth is crucial to determine where and how to search for evidence of life elsewhere.