SUN EVOLUTION AS A ASTROBIOLOGY FACTOR OF LIFE EVOLUTION

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The report emphasizes the need to consider the evolution dynamics of Sun modeling of formation and development of life for the astrobiology problems. The life processes occurring within ancient environments, not only depended on stress factors (e.g. temperature, pressure, pH and chemicals), but especially on the type of emission spectrum of the early sun and extreme intensity of cosmic rays. 4 billion years ago the early Sun was significantly different from the current state of the main star of our planetary system. The intensity of the Sun in X-ray and ultraviolet spectral regions was much higher in the modern age than in the era of the formation of life, as shown by IZMIRAN investigations, 2011 (no the total luminosity was about 70