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## Signs of hypothetic fauna and flora on Venus and their characterization

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Transmission of TV images is a commonly used modern method in both space research of celestial bodies and the search for extraterrestrial life in the Solar system. In 1982, experiments in television photography instrumented by the Soviet VENERA-13 and VENERA-14 landers, returned panoramas of the Venus surface at the landing site. Over the past 34 years, no similar missions have been sent to Venus by any space agency, mainly due to the reason that the experiments were of extreme technical complexity. The archive data of the television experiment were reprocessed, which significantly improved the image definition quality. Analysis of treated VENERA panoramic images revealed objects that might indicate the presence of hypothetical forms of Venusian flora and fauna. Among them is 'amisada' that stands out with an unusual shape against the stone plates surrounding it. The 'amisada' can be included into the list of the most interesting findings of the hypothetical Venusian fauna. 'Stems' objects possess apparent terramorphic features of Earth-like floras. Among hypothetical flora entities of Venus, certain unusual findings that have similar structure were found in different areas of the planet. Their shape was repeated on various panoramas that were taken by different landers' cameras and have attracted researcher's attention. Along with unknown forms, objects were found whose shapes resembled certain living forms of Earth. This phenomenon, i.e., similarity to Earth's fauna and flora, was called terramorphism.

### Biography

Leonid Ksanfomality has completed his PhD from Abastumani Astrophysical Observatory in 1963 "The polarimetry of the Moon studied by means of an electronic technique", and Postdoctoral studies on "The Venus thermal asymmetry" from Moscow Space Research Institute. He is the Main Researcher of Moscow Space Research Institute and the PI of 16 space experiments studying Venus, Mars and other Solar system bodies. He has published 4 books, more than 350 papers in reputed journals and has been serving as an Editorial Board Member of scientific journals. For the discovery of electrical activity of the atmosphere of Venus (1978), the IAU in 2000 named Xanthomalitia a small planet (asteroid 7394).

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