

Find strong evidence of life on Mars

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Mars has been one of the most interesting astronomy planets in recent years. Partly because this planet is located so close to the earth, that is, the prospect of humans being able to set foot, it is possible. The second reason is that scientists have always believed there existed life on the Red Planet billions of years ago, and we are doing everything to prove this claim.

A team of astronomers recently published an important analysis of a 3.5 billion-year-old soil sample from Mars that contains a number of chemical compounds called 'thiophene', also known for called 'thiofuran') - an organic compound. If this is true, it is possible for bacteria to have existed on this planet.

The existence of thiophene compounds in soil has always been considered by biologists to be an indication of the existence of life. Thus, it can be said that the presence of organic compounds in soil samples obtained from Mars is a strong reinforcement for the perception that life may have existed on this planet. Of course to arrive at the correct conclusion will require much more clear evidence.



One of the leading hypotheses for the existence of thiophenes on Mars is thought to originate from the impact of meteorites on the planet's surface, making them abiotic, meaning they no longer really exist. Thiophene can be created through thermal sulfate reduction - a process consisting of a set of compounds heated to 248 degrees Fahrenheit (120 degrees Celsius) or greater, which is entirely possible when Meteors collide with Mars.

The second hypothesis is less likely to occur, but scientists are hoping that thiophene is produced from ancient bacteria:

"Biologically, the bacteria could have existed for more than three billion years ago, when Mars was much warmer and wetter than it is now. This state will facilitate the reduction of sulfate leading to thiophene '.

Unfortunately, NASA's expedition robot that is currently on mission on Mars is not a biologist, so the mission to search for clues to life on this planet will probably continue to be the story of future.

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