

《超级真菌可消化宇宙辐射 能自愈能自我复制》

Scientists have said that humans could live on Mars only if fungi found inside the Chernobyl nuclear reactor is used to protect against radiation.

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According to researchers, a layer of fungus, that is around 21 centimetres thick, could "largely negate the annual dose-equivalent of the radiation environment on the surface of Mars".

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Nils Aversch, Stanford researcher and study co-author told a science website called New Scientist: "What makes the fungus great is that you only need a few grams to start out."

????????????????Nils Aversch????New Scientist?“????????????????”

"It self-replicates and self-heals, so even if there's a solar flare that damages the radiation shield significantly, it will be able to grow back in a few days."

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The fungi have been able to absorb harmful cosmic rays on the International Space Station (ISS). It could be used to protect future colonies on Mars.

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In 1986, a power station on the outskirts of Prip'yat suffered a massive accident in which one of the reactors caught fire and exploded, spreading radioactive material into the surroundings. It was one of the biggest disasters in Ukraine. Five years later, in 1991 black fungi was found on the reactor which had been flooded with gamma.

[illegible]

The fungi not only survive the radiation, but it also grew towards it as if it was attracted. Large amounts of 'melanin' allow the fungi to absorb normally harmful rays which it then converts into chemical energy.

[illegible]

These fungi use the deadly rays to produce energy via radiosynthesis.

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