

From underground to space: How extremophiles can be developed for consumer product goods

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Abstract: The use of biology in consumer product goods has been a common practice for many years. However, only recently have consumers started to appreciate and intentionally look for products that feature novel biological compound. Extremophiles are a relatively untapped resource for the health and wellness product space. Delavie Sciences has leveraged extremophiles for the creation of functional ingredients for skincare products. Bacillus Lysate, a novel sunscreen ingredient, was developed from an extremophile studied aboard the international space station. Hydrolytic Enzyme Complex, an extract of hydrolytic enzymes, was developed from a novel thermophilic fungus. The story of discovery, scale-up, and commercialization may help spark new ideas and possible avenues for future research and development.

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