

## **Interview with associate researcher Li Chenhua**

Q: Without human intervention, will soil crusts appear in the desert? If so, what kind of microorganisms form the crust?

A: My work is about the changes of the microbial community in the soil of the desert profile. It is certain that without human intervention, the desert will have soil crusts, which is dominated by cyanobacteria, and Firmicutes (including Bacillus) are also numerous. .

Q: According to your research situation, what are the key factors of the growth and reproduction of microorganisms that need to be paid attention to in the process of desertification and desertification control? In other words, which conditions are important for the growth and reproduction of microorganisms?

A: First of all, I think the moisture content in the soil plays a key role in the survival and reproduction of microorganisms. Secondly, in different soil depths in the desert profile, the content of organic matter is different, and the species and content of microorganisms that live will also change.

Q: Can you make some suggestions or comments on our project?

A: Your team's creativity on sand control is very interesting and meaningful, and I encourage you to stick to it.