

Microplastics environmental survey questionnaire

Objective: This questionnaire aims to collect public awareness of microplastic pollution in the environment and their attitudes and views on plastic upgrading technology. The information you provide will help us to better understand the level of awareness and expectations of the public to guide our research direction and technology development. Thank you for your participation!

personal information

1. Your age range:

- ☐ Under the age of 18
- ☐ 18-24 Years old
- ☐ 25-34 Years old
- ☐ 35-44 Years old
- ☐ 45-54 Years old
- ☐ Over 55 years old

2. Your educational background:

- ☐ High school below
- ☐ High school / technical secondary school
- ☐ undergraduate course
- ☐ Master
- ☐ Dr. and above

Environmental microplastics understanding

3. Do you know what a microplastic is?

- ☐ yes
- ☐ deny

4. What do you think are the main hazards of microplastics to the environment and human health?(Can be selected more)

- ☐ water pollution
- ☐ soil pollution
- ☐ Food chain accumulation
- ☐ Human health risks
- ☐ I'm not sure

5. How do you evaluate the current social concern about the problem of microplastic pollution?

- ☐great concern
- ☐Have some attention
- ☐Lack of concern
- ☐There was little attention

Attitude to the plastic and reengineering technology

5. Do you understand the concept of upgrading microplastics into useful products with specific technologies?

- ☐yes
- ☐deny

7. If you know, how do you think is the effect of plastic upgrading and reengineering technology based on multi-enzyme system on reducing microplastic pollution in the environment?

- ☐Very effective
- ☐to some purpose
- ☐The effect is general
- ☐I'm not sure

8. Would you like to support the use and development of this plastic upgrade and reengineering technology?

- ☐Yes, I'm very supportive
- ☐Yes, but I wish for more details
- ☐Uncertain, and the need for more information
- ☐No, I don't think this is a good idea

9. What factors do you think are important in promoting this technology?(Can be selected more)

- ☐Feasibility and efficiency of the technology
- ☐Environmental and health impact assessment
- ☐economic cost
- ☐Public education and awareness promotion
- ☐Policy and regulatory support

10. What suggestions or words would you would like to say to our research team? Please fill in your suggestions in the blank space below.

Thank you for taking the time to complete this questionnaire, and your opinion is very important to us!