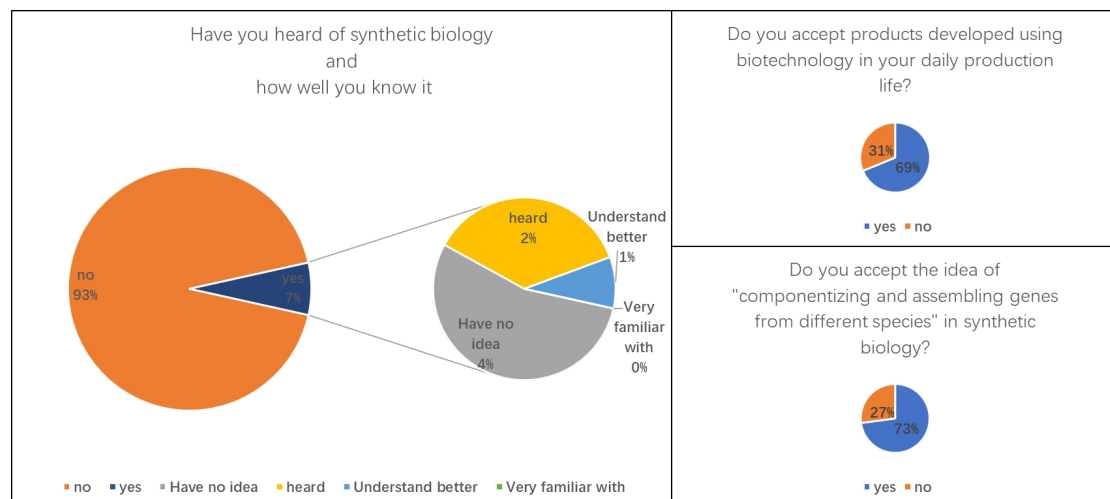


The result of synthetic biology and project recognition and recognition survey

The research team conducted a survey on the current public understanding and recognition of synthetic biology, our project and its related background. During the investigation, the project team unfortunately found that the public's understanding and recognition of synthetic biology and its related background are quite limited.

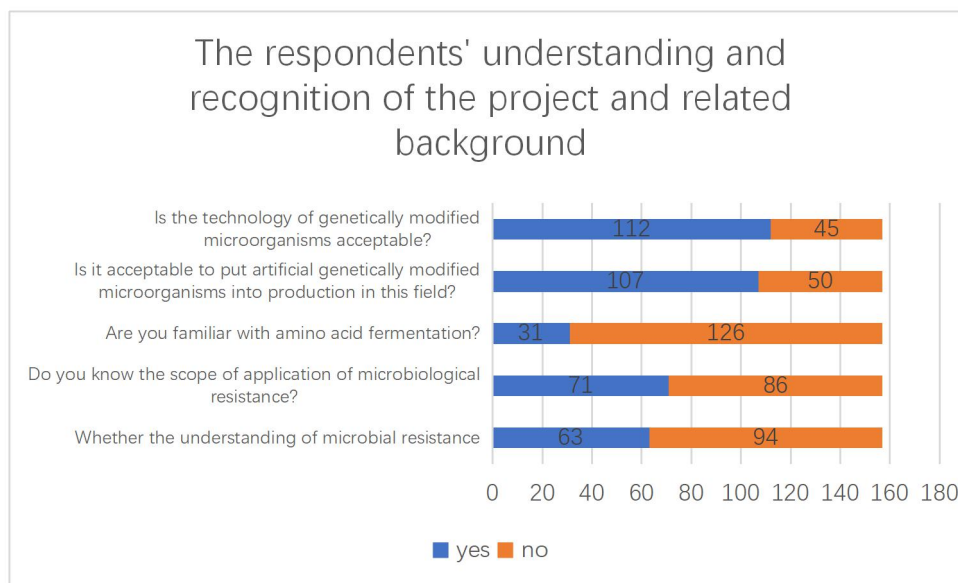
The project team produced and issued 160 questionnaires, and recovered 157 of them, with a recovery rate of 99.13%.

The results are as follows:



The vast majority of respondents (93%) said they had never heard of synthetic biology. Of the very few respondents who said they had heard of synthetic biology (7%), 4% of them said they knew nothing about it.

This means that synthetic biology is poorly understood by the public. At the same time, some of the respondents (31% and 27%) said they could not accept the "genetic componentization" in synthetic biology or biotechnology in their lives.



This graph reflects the respondents' recognition and approval of the project. As can be seen from the chart, most respondents did not have a deep understanding of the project and its application area. In addition, some respondents expressed their opposition to the application of the technology in practical production. It can be seen that the public's cognition and recognition of this technology is relatively low, so it is very important to explore more effective methods to seek public understanding.

The questionnaire is as follows:

Hello! Thank you very much for your participation in this survey. Synthetic biology is one of the most advanced science or technologies in the world. This survey aims to analyze the contemporary the public's understanding and recognition of biology science and technology and its application by investigating the public's understanding and recognition of synthetic biology and its related background and the related application background of a synthetic biology technology developed by South China university of technology. The research results are mainly used for scientific research, and all your answers will be kept strictly confidential. There are 15 questions in the questionnaire, and it will take 2-3 minutes to complete the answer. Sincerely thank you for your cooperation!

Question 1: Do you spend more time in your life learning about cutting-edge science and technology?

Yes

No

Question 2: How often do you come into contact with cutting-edge science and technology in your daily work?

Very frequently

Relatively frequently

- General
- Relatively occasionally
- Very occasionally

Question 3: Do you have any personal experience about the application of biotechnology in daily life and production?

- Yes
- No

Question4: Have you ever heard of "synthetic biology"?(if no, please go directly to question 8)

- Yes
- No

Question 5: What do you know about synthetic biology?

- Take the initiative to search on the Internet
- Through newspapers and other media channels inadvertently understand
- In the process of work because the work needs to understand
- Take the initiative to consult relevant professionals
- Other:

Question 6: What do you think you know about synthetic biology?

Have no idea

Heard

Understand better

Very familiar

Question 7: Synthetic biology originated from genetic engineering. What do you know about this field?

Have no idea

Heard

Understand better

Very familiar

Question 8: Would you like to know more about synthetic biology?

Yes

No

Question 9: Do you accept products developed by biotechnology in daily production?

Yes

No

Question 10: Do you accept the idea of "componentizing and assembling the genes of different species" in synthetic biology?

Yes

No

Question 11: A team of south China university of technology undertook the work of applying synthetic biology technology to develop anti-microbial resistance. Do you know about the anti-microbial resistance?

Have no idea

Heard

Understand better

Very familiar

Question 12: Microbial resilience refers to the ability of microorganisms to grow in an unfavorable environment (such as high temperature, strong acid, etc.). Do you know the application scope of this technology?

Have no idea

Heard

Understand better

Very familiar

Question 13: Microbial resilience has important application value in fermentation production such as amino acid fermentation. Do you know anything about amino acid fermentation?

Have no idea

Heard

Understand better

Very familiar

Question 14: Amino acids can be used in food or feed production after fermentation. Do you approve of putting artificial genetically modified microorganisms into production in this field?

Yes

No

Question 15: Synthetic biology is a technology that allows microbes to grow in hostile environments (high temperatures, strong acids, etc.). Do you approve of the technology of genetically modified microorganism?

Yes

No