



Showcasing research from Professor Qiang Fei from Xi'an Jiaotong University and Professor Shihui Yang from Hubei University, China.

A novel nutritional induction strategy flexibly switching the biosynthesis of food-like products from methane by a methanotrophic bacterium

A carbon-neutralized microbial cell factory was developed by fine-tuning key nutrimental elements in methanotrophic bacteria. The production of single cell protein and carbohydrates can be artificially manipulated in association with carbon and nitrogen metabolisms, providing the flexible and efficient biosynthesis of microbial products from CH_4 -based biomanufacturing.

As featured in:



See Shihui Yang, Ramon Gonzalez, Qiang Fei *et al.*, *Green Chem.*, 2024, 26, 7048.