

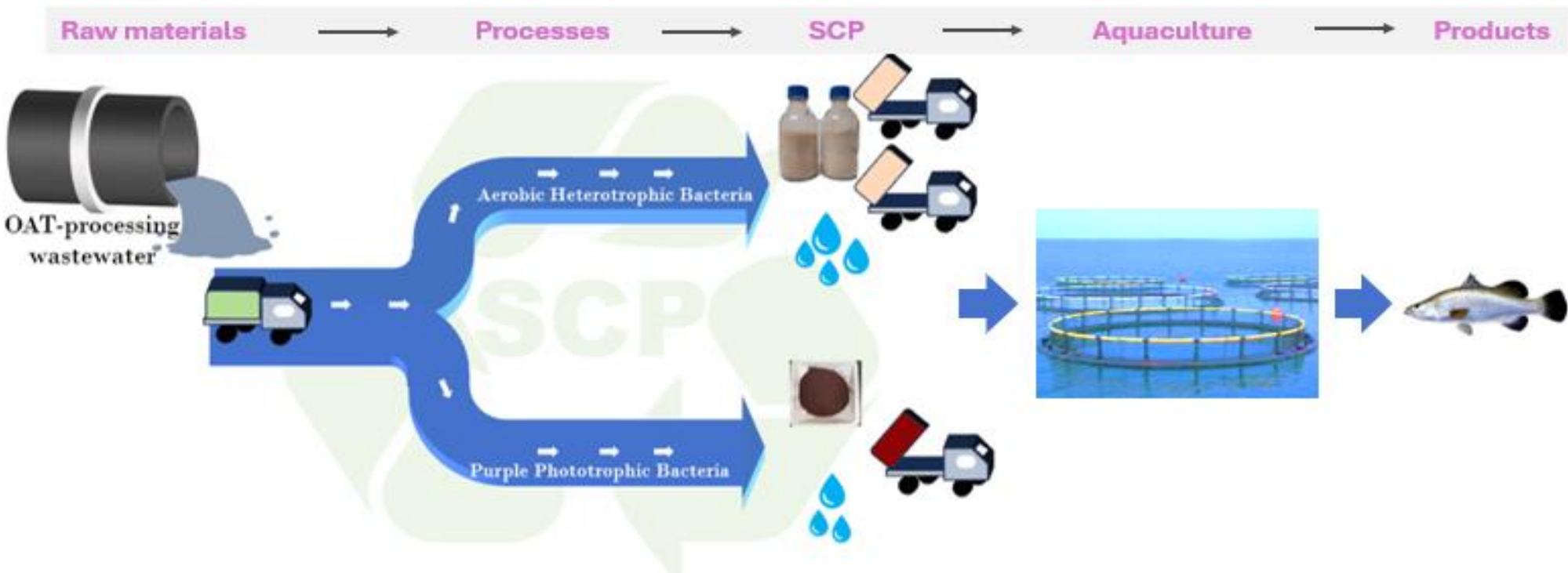
NEWRI INNOVATION

AQUACULTURE FEED SINGLE CELL PROTEIN

Prof. Zhou Yan (PI, zhouyan@ntu.edu.sg)

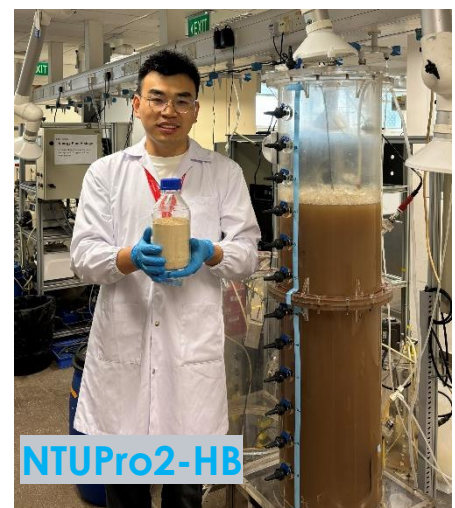
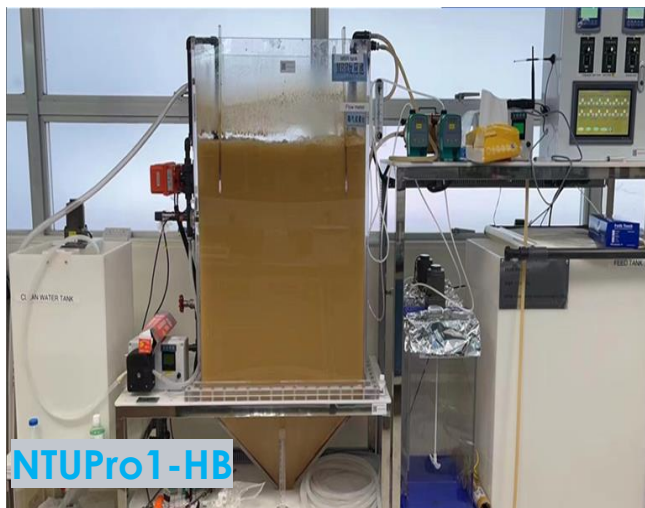
Liu Jianbo (jianbo.liu@ntu.edu.sg); Xu Hui (hui.xu@ntu.edu.sg); Li Lei (lei.li@ntu.edu.sg);

Graphical Abstract



Results and Conclusions

- SCP yields are 0.3-0.5g/g CODRemoved in the HB system and 0.6-0.7g/g CODRemoved in the PPB system
- The protein content in SCP is 30-48% in the HB system and 50-70% in the PPB system
- The carbon-to-nitrogen ratio in the influent significantly influences SCP production
- Concentrating SCP requires the utilization of membranes and reagents



Acknowledgement

- ❖ Agency for science, technology and research
- ❖ Singapore Food Agency
- ❖ National Research Foundation

