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## Developing *Bacillus subtilis* as a versatile bioproduct platform for agricultural and pharmaceutical applications

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# **Appendix**

**Acknowledgements**

**List of publications**

**About the author**

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## List of publications

1. **Y Song**, S He, A Jopkiewicz, R Setroikromo, R van Merkerk, WJ Quax. Development and application of CRISPR based genetic tools in *Bacillus* species. (manuscript to be submitted)
2. **Y Song**, S He, II Abdallah, A Jopkiewicz, R Setroikromo, R van Merkerk, PG. Tepper & WJ Quax. Engineering of multiple modules to improve amorphaadiene production in *Bacillus subtilis* using CRISPR-Cas9. (manuscript accepted by *J Agric Food Chem*)
3. **Y Song**, WJ Quax. Exploration of *Bacillus subtilis* as cell factory for amorphaadiene Production. *J Microbiol Biotechnol* 2021, 10.
4. H Pramastya\*, **Y Song**\*, Elfahmi, Sukrasno & WJ Quax. Positioning *Bacillus subtilis* as Terpenoid Cell Factory. *J Appl Microbiol* 2020.
5. **Y Song**, Z Guan, R van Merkerk, H Pramastya, II Abdallah, R Setroikromo & WJ Quax. Production of Squalene in *Bacillus subtilis* by Squalene Synthase Screening and Metabolic Engineering. *J Agric Food Chem* 2020, 68, 15, 4447-4455.
6. **Y Song**, G Fu, H Dong, J Li, Y Du & D Zhang. High-efficiency secretion of  $\beta$ -mannanase in *Bacillus subtilis* through protein synthesis and secretion optimization. *J Agric Food Chem* 2017, 65, 12, 2540-2548.
7. J Chen, Y Zhu, G Fu, **Y Song**, Z Jin, Y Sun, D Zhang. High level intra and extra cellular production of D-psicose 3-epimerase via a modified xylose inducible expression system in *Bacillus subtilis*. *J Ind Microbiol Biotechnol* 2016, 43:1577–1591.
8. **Y Song**\*, JM Nikoloff\*, G Fu, J Chen, Q Li, N Xie, P Zheng, J Sun & D Zhang: Promoter screening from *Bacillus subtilis* in various conditions hunting for synthetic biology and industrial application. *PLoS ONE* 2016, 11(7): e0158447. doi:10.1371/journal.pone.0158447
9. **Y Song**, JM Nikoloff, D Zhang: Improving protein production on the level of regulation of both expression and secretion pathways in *Bacillus subtilis*. *J Microbiol Biotechnol* 2015, 25(7): 963-977.

\*authors contributed equally

## About the author

Yafeng Song was born on 18 October 1990 in Hebei, China. She obtained her bachelor degree in Bioscience from Hebei Agricultural University in June 2013. In the same year, she started her master study at Tianjin Institute of Industrial Biotechnology, Chinese Academy of Sciences under the supervision of Prof. Dawei Zhang. During the first-year study, she mainly focused on taking courses at Yu-Quan Campus, University of the Chinese Academy of Sciences in Beijing. In 2014, she moved to Tianjin to start her research projects, aiming at screening and evaluating the promoter elements of *Bacillus subtilis*, as well as constructing and optimizing the expression systems in *B. subtilis*. In June 2016, she gained her master degree in Microbiology. Then she moved to Groningen to start her PhD study in the Department of Chemical and Pharmaceutical Biology under the supervision of Prof. Wim J. Quax and Prof. Gerrit J. Poelarends. Her research was developing *B. subtilis* as a versatile bacterium host to produce high levels of enzymes and terpenoids, of which the results are described in this thesis.