APPENDIX

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LIST OF PUBLICATIONS

1. **Dan Xue***, Hegar Pramastya*, Rita Setroikromo, Ingy I. Abdallah, Pieter G. Tepper, Wim J. Quax (* Authors contributed equally). High level production of amorphadiene using *Bacillus subtilis* as a terpenoid cell factory. Submitted

2. Ingy I Abdallah*, **Dan Xue***, Hegar Pramastya, Ronald van Merkerk; Rita Setroikromo; Wim J. Quax (* Authors contributed equally). *Bacillus subtilis* as an optimized cell factory for C30 terpenoid production. Submitted.


5. Qin Huang, Hao Zhang, **Dan Xue**. Enhancement of antioxidant and hypolipidemic activity of Puerariae radix by fermentation with *Aspergillus niger*. Submitted

6. Tiezhu Chen, Feiyan Wen, Yanli Fang, Yuxia Yang, Qingmao Fang, Hao Zhang, **Dan Xue**. Effect of growth years on the plant, root system, yield and saponin content. 2018, Jiangsu Agricultural Sciences, DOI : 10.15889/j.issn.1002-1302.2018.10.032


17. Feiyan Wen, Hongxiang Yin, Chu Chen, Xianbo Liu, Dan Xue, Tiezhu Chen, Jun He, Hao Zhang. Chemical characteristics of saponins from *Paris fargesii* var. *brevipetala* and cytotoxic activity of its main ingredient, paris saponin H. 2012, Fitoterapia 83:627-635


ABOUTH THE AUTHOR

Dan Xue was born on the 12th of December 1984 in Henan, China. She grew up in Chengdu, where she finished her Bachelor in West China School of Pharmacy, Sichuan University in 2006. In the same year, she continued for a Master in Pharmacognosy in West China School of Pharmacy, Sichuan University. During her Master, she focused on purification, structure elucidation and biochemical characterization of bioactive compounds from *Paris Polyphylla* under supervision of Prof Hao Zhang. After obtaining her master degree, in October 2009, she moved to Groningen and started her PhD in the Department of Chemical and Pharmaceutical Biology in Groningen Research Institute of Pharmacy under the supervision of Prof. Wim J. Quax. She worked on the metabolic engineering of *Bacillus subtilis* for terpenoids production, the results of which are described in this thesis. In April 2014, she moved back to Chengdu and worked as a lecturer in the Department of Natural Products, West China School of Pharmacy, Sichuan University. Her research interests focus on bioactive chemical constituents, pharmacological activities, metabolic engineering and quality control of medicine plant.