

# 简 历

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研究所	中国热带农业科学院热带作物品种资源研究所		
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研究方向			
药用植物学、药食同源植物、植物组织培养、植物多倍体育种			
学习&工作经历			
教育经历： (1) 2007/09 - 2013/12, 华南农业大学, 植物学, 博士 (2) 2003/09 - 2007/07, 华南农业大学, 生物科学, 学士			
科研与学术工作经历 (1) 2018/01 - 今, 中国热带农业科学院热带作物品种资源研究所南药研究室, 副研究员 (2) 2013/12 - 2017.12, 中国热带农业科学院热带作物品种资源研究所南药研究室, 助理研究员 (3) 2016/03-2016/06, 香港浸会大学中医药学院, 博士后, 合作导师: 陈虎彪 教授			
代表性成果			

论文:

- [1] Xiaolu Chen, Yong Yang, Maoyuan Wang, Qin Tian, Qian Jiang, Xuan Hu, Weiguo Ye, Wanyun Shen, Xueting Luo, Xueyan Chen, Chao Yuan, Dan Wang, Tianrong Wu, Yulan Li, Wenna Fu, Lingliang Guan, Xingfei Li, Lingyan Zhang, Zhunian Wang, Yonggui Pan, Xiaoxia Yan, Fulai Yu. Spatiotemporal Analysis of Microstructure, Sensory Attributes, and Full-spectrum Metabolomes Reveals the Relationship between Bitterness and Nootkatone in *Alpinia oxyphylla* Miquel Fruit Peel and Seeds. *Food Research International*, 2024.
- [2] Xiaolu Chen, Yanqun Li, Yuxin Pang, Wanyun Shen, Qilei Chen, Liwei Liu, Xueting Luo, Zhenxia Chen, Xingfei Li, Yulan Li, Yingying Zhang, Mei Huang, Chao Yuan, Dan Wang, Lingliang Guan, Yuchen Liu, Quan Yang, Hubiao Chen, Hong Wu, Fulai Yu. A comparative analysis of morphology, microstructure, and volatile metabolomics of leaves at varied developmental stages in *Ainaxiang* (*Blumea balsamifera* (Linn.) DC.). *Frontiers in Plant Science*, 2023,14:1285616.
- [3] Dan Wang, Zuowang Fan, Yuxin Pang, Xiaoting Li, Yingbo Zhang, Chao Yuan, Xuan Hu, Qian Jiang, Xiaolu Chen, Fulai Yu. Ameliorative potential of total flavonoids extract from *Blumea balsamifera* (L.) DC. on UVB-induced sunburn in mice. *Latin American Journal of Pharmacy*, 2022.
- [4] Xiaolu Chen, Yongfeng Xiao, Mei Huang, Zhenxia Chen, Chao Yuan, Dan Wang, Lingliang Guan, Li Liao, Xingfei Li, Yong Yang, Fulai Yu. Induction of Adventitious Bud Regeneration from Root Explants in *Sambong* (*Blumea balsamifera* (L.) DC. *Forest Chemicals Review*, 2021,Nov-Dec:152-158.

专著:

- [1] 主编: 庞玉新, 于福来, 副主编: 陈晓鹭, 王丹, 元超, 官玲亮, 袁媛. 中国艾纳香研究. 北京: 中国农业出版社, 2023.3

专利:

- [1] 陈晓鹭, 王丹, 于福来, 元超, 杨永, 肖永锋, 罗沁, 黎玉兰, 陈振夏, 陈英桦, 于平, 官玲亮, 张影波, 黄梅, 谢小丽, 王凯. 一种获得四倍体艾纳香不定芽的方法.ZL202111522569.0. 2022.
- [2] 陈晓鹭, 于福来, 肖永锋, 罗沁, 黎玉兰, 陈振夏, 陈英桦, 于平, 元超, 王丹, 官玲亮, 张影波, 黄梅, 谢小丽, 王凯. 一种一步诱导艾纳香根细胞分化产生不定芽的培养方法.ZL202111522786.X. 2022.
- [3] Xiaolu Chen, Fulai Yu, Yongfeng Xiao, Yulan Li, Qin Luo, Ping Yu, Yinghua Chen, Yong Yang, Kai Wang, Chao Yuan, Dan Wang, Lingliang Guan, Yingbo Zhang, Mei Huang, Xiaoli Xie, Zhenxia Chen. Method for obtaining adventitious tetraploid bud of *Blumea balsamifera*. US11800842B2. 2022.
- [4] 陈晓鹭, 于福来, 肖永锋, 罗沁, 黎玉兰, 陈振夏, 陈英桦, 于平, 元超, 王丹, 官玲亮, 张影波, 黄梅, 谢小丽, 王凯. ワンステップでブルメアバルサミフェラ根の細胞の分化を誘導して不定芽を生成する培養方法.2023-563181. 2022.
- [5] 陈晓鹭, 王丹, 于福来, 元超, 杨永, 肖永锋, 罗沁, 黎玉兰, 陈振夏, 陈英桦, 于平, 官玲亮, 张影波, 黄梅, 谢小丽, 王凯. 四倍体ブルメアバルサミフェラ不定芽の取得方法.2023-565397. 7565459. 2022.

项目

- [1] 陈晓鹭.海南省重点研发专项. 黎药艾纳香特选种质资源离体保存与配套组培技术研发, 2020.11-2022.11, 20 万元, 主持, 结题
- [2] 陈晓鹭.海南省自然科学基金高层次人才专项. 艾纳香精油分泌规律亚细胞水平研究.2020.1-2022.12, 20 万元, 主持, 结题

# CURRICULUM VITAE

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Research Interest			
Medicinal botany, plant tissue culture, plant polyploidy, plants with medicinal and edible properties			
Education & Working Experience			
<b><u>Education</u></b>			
Ph.D. in Botany   <b>South China Agricultural University (SCAU)</b> , Guangzhou 510642, China Thesis Title: Polyploid purple coneflower and the application of diethyl aminoethyl hexanoate on purple coneflower ( <i>Echinacea purpurea</i> L.); supervisor: Prof. YANG Yue-Sheng and Prof. WU Hong, Sep 2007-Dec 2013			
B.S. in Biology Science   <b>SCAU</b> Thesis Title: The study of microstructure of <i>Polygonum perfoliatum</i> by using paraffin section technology; supervisor: Prof. YU Xin-Hua, Sep 2003-June 2007			
<b><u>Employment</u></b>			
<b>Associate Research Fellow</b> , Laboratory of Tropical Medicinal Plants Resources, TCGRI-CATAS, Jan 2018 - present.			
<b>Post-Doctoral Research Fellow</b> , Teaching and Researching Division, School of Chinese Medicine, Hong Kong Baptist University, Cooperation Supervisor: Prof. CHEN Hu-Biao, Apr 2016-Jun 2016.			
<b>Assistant Research Fellow</b> , Laboratory of Tropical Medicinal Plants Resources, TCGRI-CATAS, Dec 2013-Dec 2017.			
Representative Result			

### **Publications**

- [1] Xiaolu Chen, Yong Yang, Maoyuan Wang, Qin Tian, Qian Jiang, Xuan Hu, Weiguo Ye, Wanyun Shen, Xueting Luo, Xueyan Chen, Chao Yuan, Dan Wang, Tianrong Wu, Yulan Li, Wenna Fu, Lingliang Guan, Xingfei Li, Lingyan Zhang, Zhunian Wang, Yonggui Pan, Xiaoxia Yan, Fulai Yu. Spatiotemporal Analysis of Microstructure, Sensory Attributes, and Full-spectrum Metabolomes Reveals the Relationship between Bitterness and Nootkatone in *Alpinia oxyphylla* Miquel Fruit Peel and Seeds. *Food Research International*, 2024.
- [2] Xiaolu Chen, Yanqun Li, Yuxin Pang, Wanyun Shen, Qilei Chen, Liwei Liu, Xueting Luo, Zhenxia Chen, Xingfei Li, Yulan Li, Yingying Zhang, Mei Huang, Chao Yuan, Dan Wang, Lingliang Guan, Yuchen Liu, Quan Yang, Hubiao Chen, Hong Wu, Fulai Yu. A comparative analysis of morphology, microstructure, and volatile metabolomics of leaves at varied developmental stages in *Ainaxiang* (*Blumea balsamifera* (Linn.) DC.). *Frontiers in Plant Science*, 2023,14:1285616.
- [3] Dan Wang, Zuowang Fan, Yuxin Pang, Xiaoting Li, Yingbo Zhang, Chao Yuan, Xuan Hu, Qian Jiang, Xiaolu Chen, Fulai Yu. Ameliorative potential of total flavonoids extract from *Blumea balsamifera* (L.) DC. on UVB-induced sunburn in mice. *Latin American Journal of Pharmacy*, 2022.
- [4] Xiaolu Chen, Yongfeng Xiao, Mei Huang, Zhenxia Chen, Chao Yuan, Dan Wang, Lingliang Guan, Li Liao, Xingfei Li, Yong Yang, Fulai Yu. Induction of Adventitious Bud Regeneration from Root Explants in *Sambong* (*Blumea balsamifera* (L.) DC. *Forest Chemicals Review*, 2021,Nov-Dec:152-158.

### **Patents**

- [1] Xiaolu Chen, Fulai Yu, Yongfeng Xiao, Yulan Li, Qin Luo, Ping Yu, Yinghua Chen, Yong Yang, Kai Wang, Chao Yuan, Dan Wang, Lingliang Guan, Yingbo Zhang, Mei Huang, Xiaoli Xie, Zhenxia Chen. Method for obtaining adventitious tetraploid bud of *Blumea balsamifera*. US11800842B2. 2022.