

高子琪 <sup>意向岗位:研发项目管理</sup>

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### 🕒 证书及荣誉

证书:
PMP项目管理资格证
计算机二级
C1驾驶证
荣誉:
广东理工英语微电影大赛 三等奖
SCMWAY 第四届全国大学生电商物流与
供应链创新挑战赛 一等奖
2022~2024 年度西南林小大学校级奖学金

## 🕥 教育经历

2022.9-2025.6

食品加工与安全 | 硕士

主修课程:食品化学、食品加工贮运专题、食品质量与安全控制专题、食品质量安全检测新技术等 研究方向:风味化学

2018.9-2022.6

物流管理 | 本科

主修课程:物流概论、物流规划与设计、供应链管理管理、采购项目管理、运输管理、仓储管理、管理学、 国际物流学、市场营销、会计学。

🔊 实习经历

#### 2021.3-2021.9 总经办助理

参与协助总经办经理的日常工作、相关文书撰写;畜牧养殖标准化示范厂、养殖场厂区项目排水工程申报 及其实施落地;公司非营运车辆的申报备案;相关工作人员的招聘宣传、入职;人员接待;公司会议的组 织和策划

#### 2022.2-2022.8 项目管理工程师(研发部)

参与"理想汽车/英飞源技术-非标混合模块 UAC08 研发项目"项目管理工作 根据里程碑进行项目节点控制,按节点督促和协调输出成果;项目资料输出并且完成资料控制、变更;根 据工程师输出资料维护 BOM 表;对接 PMC 部门,跟进和协调物料交付;进行变更管理等相关工作。

#### 2023.03-2023.05 实习生(研究生-联合培养)

农残检测 (有机磷、有机氯和氨基甲酸酯类等农残检测)

#### 2023.03-2025.03 实习生 (研究生-联合培养)

农产品检测(按照企业的要求检测产品中的蛋白、脂肪和质构特性等理化指标) 参与产品开发(特写咖啡公司 无人区系列挂耳咖啡产品开发研制;tims公司咖啡冻干粉产品研制) 完成学位论文

## 🕐 相关技能

项目管理:精通 project、金蝶 Erp 等项目管理软件,精通 officer 办公软件。

**检验检测:**精通食品检测仪器,如LC-MS(液相色谱)、GC-MS(气相色谱)、离子色谱、核磁共振、 电镜扫描、FR-IT 光谱等。

## 🅜 科研成果

#### SCI 论文 2 篇 (见刊 1, 外审 1), EI 论文 4 篇 (网络首发 1, 录用 1, 外审 2)

1. 《Effects of ultra-high pressure processing on microstructure, water distribution and lipidomics variances of

Arabica coffee beans》-LWT-Food Science and Technology(一区 top if6.0)-见刊-第2作者 (导师一作)

2. 《Difference of primary processing on arabica coffee beans and its rapid discrimination combining FT-IR and

machine learning》-Food Control(一区 top if5.6)-外审-第1作者 (导师共一)

#### 西南林业大学

广东理工学院

#### 深圳英飞源技术

广东大家食品有限公司

云南省农业科学院农产品加工所

云南省产品质量监督检验研究院



- 3.《咖啡风味研究动态文献计量学可视化分析》-食品工业科技(EI)-网络首发-第1作者
- 4.《不同初加工云南小粒咖啡游离氨基酸差异及其呈味机制》 -食品工业科技(EI)-1录用-第1作者
- 5.《基于机器学习的小粒咖啡生豆判别及其可溶性固形物含量预测》-食品科学(EI)-外审-第1作者
- 6.《云南米酒中优质酵母协同米根霉发酵对米酒理化性质及风味物质的影响》-食品工业科技(EI)-外审-第3

作者



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#### LWT



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# Effects of ultra-high pressure processing on microstructure, water distribution and lipidomics variances of Arabica coffee beans

Zelin Li<sup>a</sup>, Ziqi Gao<sup>a,b</sup>, Zhirui Niu<sup>c</sup>, Jing Yan<sup>a</sup>, Yifan Hu<sup>a</sup>, Changwei Cao<sup>b</sup>, Jiamei Ye<sup>b</sup>, Tangjiao Liu<sup>b</sup>, Xiuwei Liu<sup>a,1,\*</sup>, Hao Tian<sup>a,1,\*\*</sup>

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ARTICLE INFO

Keywords: Arabica coffee beans Ultra-high pressure Microstructure Water distribution Lipidomics ABSTRACT

The emerging non-thermal technique of ultra-high pressure (UHP) process advancements in food processing in recent years. The present study ain (100-200 Mr.) processing on the color microstructure, water of the bull of processed A abies, offee bears, the esues in dicard dist the brightness bears were significantly a ter d b. UHP processing, while other color mark ocanning electron in croscope eleminations showed that Unit processing ca even collapse of the pore structure within coffee bears. Compared to wet-p processing promoted a more even water distribution and facilitated the co of a runc free warr, with the markinum ffect observed during U HPindicated that triacylglyceror (TAG, 24.75%) and macylglyceryr trimethylho UHP-100, UHP-200, and UHP-300 samples exhibited 238, 191, and 788 carbon chain length and degree of unsaturation of all differentially exp

g technology has seen significant d to analyze the impact of UHP and lipidomics variations of wetd chromatic aberration of coffee rs remained relatively unaffected. ed compression, compaction, and cessed Arabica coffee beans, UHP ersion of bound and immobilized 0 treatment. Lipidomics analysis oserine (DGTS, 11.23 %). Notably, fferentially expressed lipids. The ssed lipids exhibited a pressure-

#### 1. Introduction

Coffee is among the most widely consumed beverages globally, ranking second overall consumption (Yang et al., 2024). It holds significant economic value, with an annual yield of around 160,000 tons, due to its distinctive flavor and potential human health benefits, such as enhancing immunity, providing antioxidants, exhibiting antitumor effects, and offering invigorating properties (Baskaran & Radhakrishnan, 2024; Freitas et al., 2024). The quality of coffee is determined by its unique flavor and associated health benefits. The quality of coffee is influenced by several factors, including primary processing methods, roasting and grinding techniques, beverage preparation methods, consumer preferences, and consumption habits (Freitas et al., 2024). The primary processing of post-harvest coffee cherries is a crucial step that significantly impacts the quality of coffee, serving as the initial measure to ensure its excellence (Hameed et al., 2018). Although established primary coffee processing methods such as wet processing, dry processing, semi-dry processing, honey processing, and Monsoon processing already exist (Haile & Kang, 2019; Yulianti et al., 2024), an array of emerging primary processing methods have been introduced to meet the increasingly diverse consumer demand. These methods include animal bio-digestive systems, carbonic maceration, anaerobic fermentation, and novel technologies for the secondary treatment of primarily processed coffee beans (Febrianto & Zhu, 2023). These processing methods aim to alter the structure, composition, and presence of compounds within coffee beans to achieve the desired final quality.

Ultra-high pressure processing (UHP) is a novel non-thermal technology that uses water or oil to apply pressure, leading to alterations in the composition, structure, and water morphology of samples at ambient or lower temperatures to enhance quality (Ouyang et al., 2023; Xu et al.,

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1	Difference of primary processing on arabica coffee beans and its rapid
2	discrimination combining FT-IR and machine learning
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## 《食品工业科技》录用通知

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高子琪、田浩、牛之瑞、刘秀薇、范方宇、李泽林同志:



## 兼职证明













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深圳英飞源技术有限公司 应届生实习协议

应届生实习协议

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