

## 教师简介

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|  | 姓名                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 杨建刚              |
|                                                                                   | 职称                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 教授               |
|                                                                                   | 最高学历/学位                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 研究生/博士           |
|                                                                                   | 毕业院校                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 日本新潟大学           |
|                                                                                   | 专业                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 生物圈科学            |
|                                                                                   | 研究方向                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 酿酒生物技术及应用        |
|                                                                                   | 所属教研室/<br>实验中心                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 酿酒工程教研室          |
|                                                                                   | 行政职务                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 无                |
|                                                                                   | 邮箱                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | jgyang29@163.com |
| 主讲课程                                                                              | 《黄酒工艺学》、《白酒品评与勾兑》、《中国酒文化概论》等                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                  |
| 教科研项目                                                                             | <p>在研项目</p> <ol style="list-style-type: none"> <li>1、主持校级科研课题：浓香型白酒风味特征、工艺特点及酿造机制研究（BYKQ2021Z03）</li> <li>2、主持安徽省质量工程项目：酿酒工程专业教学团队（2021jxtd186）</li> <li>3、主持四川省科技计划项目：酱香型白酒老熟关键技术研究及应用示范（19ZDFE2782 子项目）</li> <li>4、参与国家自然科学基金项目：基于代谢网络模型系统解析浓香型白酒窖泥梭菌生理代谢特征（31801522）</li> </ol>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                  |
| 教科研成果                                                                             | <p><b>代表性论文：</b></p> <ol style="list-style-type: none"> <li>1. Huilai Sun, Bin Ni, <b>Jiangang Yang</b>, Yue Qin. Nitrogenous compounds and Chinese baijiu: a review. <i>Journal of the Institute of Brewing</i>. 2022, 128(1): 5-14.</li> <li>2. Wei Zou, Guangbin Ye, Chaojie Liu, Kaizheng Zhang, Hehe Li, <b>Jiangang Yang</b>. Comparative genome analysis of <i>Clostridium beijerinckii</i> strains isolated from pit mud of Chinese strong flavor baijiu ecosystem. <i>G3 Genes Genomes Genetics</i>, 2021, 11(11).</li> <li>3. Zai-Bin Xie, Kai-Zheng Zhang, Zhen-Hui Kang &amp; <b>Jian-Gang Yang</b>*. <i>Saccharomycopsis fibuligera</i> in liquor production: A review. <i>European Food Research and Technology</i>. 2021, 247, 1569–1577.</li> <li>4. Wei Zou, Guangbin Ye, Kaizheng Zhang, Haiquan Yang, and <b>Jiangang Yang</b>. Analysis of the core genome and pangenome of <i>Clostridium butyricum</i>. <i>Genome</i>. 2021,64(1).</li> <li>5. Yang Wei, Wei Zou, Cai-Hong Shen, <b>Jian-Gang Yang</b>*. Basic flavor types and component characteristics of Chinese traditional liquors: A review. <i>Journal of Food</i></li> </ol> |                  |

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|  | <p><i>Science</i>, 2020, 85(12): 4096-4107.</p> <ol style="list-style-type: none"> <li>6. Chang Su, Kai-Zheng Zhang, Xin-Zhi Cao, <b>Jian-Gang Yang*</b>. Effects of <i>Saccharomycopsis fibuligera</i> and <i>Saccharomyces cerevisiae</i> inoculation on small fermentation starters in Sichuan-style Xiaoqu liquor, <i>Food Research International</i>, 2020, 137 (11) .</li> <li>7. Yuanfen Du, Wei Zou, Kaizheng Zhang, Guangbin Ye, <b>Jiangang Yang</b>. Advances and Applications of <i>Clostridium</i> Co-culture Systems in Biotechnology. <i>Front. Microbiol.</i>, 2020, 11</li> <li>8. Qing-Song Zhao, <b>Jian-Gang Yang*</b>, Kai-Zheng Zhang, Ming-Yao Wang, Xing-Xiu Zhao, Chang Su, Xin-Zhi Cao. Lactic acid bacteria in the brewing of traditional Daqu liquor, <i>Journal of the Institute of Brewing</i>, 2020, 126(1): 14-23.</li> <li>9. Ming-yao Wang, Qi Zhang, <b>Jian-gang Yang*</b>, Jing-song Zhao, Chang Su, Qing-song Zhao, Zong-hua Ao, Cai-hong Shen. Volatile compounds of Chinese Luzhou flavoured liquor distilled from grains fermented in 100 to 300 year - old cellars, <i>Journal of the Institute of Brewing</i>, 2020, 126(1): 116 – 130.</li> <li>10. Ming-Yao Wang, <b>Jian-Gang Yang*</b>, Qing-Song Zhao, Kai-Zheng Zhang, Chang Su. Research Progress on Flavor Compounds and Microorganisms of Maotai Flavor Baijiu. <i>Journal of Food Science</i>, 2019, 84(1): 6-18.</li> <li>11. Kaizheng Zhang, Qiong Li, Wenchi Wu, <b>Jiangang Yang, Wei Zou</b>. Wheat Qu and Its Production Technology, Microbiota, Flavor, and Metabolites. <i>Journal of Food Science</i>, 2019, 84(9): 2373-2386.</li> <li>12. Ming-Yao Wang, Qing-Song Zhao, Chang Su &amp; <b>Jian-Gang Yang*</b> . Analysis of the Microbial Community Structure during Brewing of Sichuan Xiaoqu Baijiu, <i>Journal of the American Society of Brewing Chemists</i>. 2017, 77(3): 210-219.</li> <li>13. Kaizheng Zhang, <b>Jiangang Yang</b>, Zongwei Qiao, Xinzhi Cao, Qingchun Luo, Jinsong Zhao, Fengqing Wang. Assessment of <math>\beta</math>-glucans, phenols, flavor and volatile profiles of hulless barley wine originating from highland areas of China, <i>Food Chemistry</i>, 2018, 293(18): 32-40.</li> <li>14. <b>Jian-Gang Yang*</b>, Xiao Dou, Ying-Ying Ma. Diversity and dynamic succession of microorganisms during Daqu preparation for Luzhou - flavour liquor using second-generation sequencing technology. <i>Journal of</i></li> </ol> |
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|        | <p><i>the Institute of Brewing</i>, 2018, 124(4): 498-507.</p> <p>15. Hechuan Wu, Suyi Zhang, Yingying Ma, Jian Zhou, Huibo Luo, <b>Jiangang Yang</b>*. Comparison of microbial communities in the fermentation starter used to brew Xiaoqu liquor. <i>Journal of the Institute of Brewing</i>. 2017, 123(1): 113-120.</p> <p>16. <b>Jian-Gang Yang</b>*, Xiao Dou, Pei-Jie Han, Feng-Yan Bai, Jian Zhou, Su-Yi Zhang, Hui Qin, Ying-Ying Ma. Microbial Diversity in Daqu During Production of Luzhou-Flavored Liquor. <i>Journal of the American Society of Brewing Chemists</i>. 2017, 75(2): 135-144.</p> <p>17. Y. Li, H. B. Luo, H. Y. Zhang, Q. Guo, H. C. Yao, J. Q. Li, Q. Chang, <b>J. G. Yang</b>, F. Wang, C. D. Wang, X. Yang, Z. G. Liu and X. Ye. Potential hepatoprotective effects of fullerenol nanoparticles on alcohol-induced oxidative stress by ROS. <i>RSC Advances</i>, 2016, 6, 31122-31130.</p> <p>授权专利</p> <ol style="list-style-type: none"> <li>1. 杨建刚, 吴赫川, 马莹莹, 周健, 窦晓, 一种高产乙酸乙酯的混粮川法小曲白酒生产工艺【ZL201510444448. 7】</li> <li>2. 杨建刚, 赵中开, 马莹莹, 一种白酒粳米散曲的制备方法【201410241275. 4】</li> </ol> |
| 指导学生获奖 | 1. 2020 中国多酒种盲品精英（城市）挑战赛-成都赛区中荣获露酒（单种酒）第一名                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 主要获奖情况 | <ol style="list-style-type: none"> <li>1. 2005. 5 日本全国新酒（清酒）鉴评会金奖</li> <li>2. 2004. 5 日本全国新酒（清酒）鉴评会金奖</li> <li>3. 2004. 11 日本关东信越地区新酒（清酒）鉴评会优秀奖（金奖）</li> <li>4. 1992 年农业部科学技术进步三等奖（参与）</li> </ol>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |