

Resume of Chunjie Gong

Basic Information



School: School of Life and Health Sciences
Gender: Male
Date of Birth: 197501
Title: Associate Professor
Education: PhD
Tutor: Master degree
E-mail: gongcj606@sina.com
Interest of Research: Environmental Microbiology
Synthetic Biology

Academic Background

From July 1999 to July 2002, Northeast Normal University, Bachelor's degree;
From September 2005 to July 2008, Northeast Normal University, Master's degree;
From April 2010 to March 2013, PhD, Kyoto University, Japan;

Oversea visiting

2009/10-2010/03, Master's degree, Kyoto University, Japan;
2010/04-2013/03, PhD, Kyoto University, Japan;
2013/04-2014/06, Postdoctoral researcher, Kyoto University, Japan;
2022/05-2023/05, Visiting scholar, Kyoto University, Japan;

Representative Projects

1. National Natural Science Foundation of China, research on the design and construction of *Sphingomonas* for the synthesis of PHA from cellulose, 580000-yuan, fund number: 320701072021.1-2024.12, presided over.
2. Solid liquid series coupled carbon oxygen metabolism synergistic regulation for high-density fermentation production of yeast powder, Agrichina Pharmaceutical Co., Ltd. 250000-yuan, project number: 4201/0119921.6-2022.5, in charge.
3. Research and development of directional preparation of high-value bio-organic fertilizer from kitchen waste organic solid residue, Hefei City " Open bidding for selecting the best candidates" project, China Energy Conservation (Feixi) Environmental Energy Co., Ltd., 880000-yuan, project number: 4201/030762023.7-2025.6, in charge.

Representative Articles

- 1.Chen, H., Zhang, JQ., Li, M., Chen, J., Wang, CJ., **Gong, CJ***. Microbial metabolic engineering techniques in the application of fatty acid production. Food Bioscience., Volume 61, 2024, 104687, ISSN 2212-4292. Rank 1, IF4.8.
- 2.Li, M., Tang, HZ., Hu, HY., Liu, XJ., Xue, DS., Yu, X., Zhang, JQ., Chen, H., Chen,

- J., Wang, CJ., **Gong, CJ***. Production of acetic acid from wheat bran by catalysis of an acetoxylan esterase. *Bioresour. Technol.*, 2024, 396, 130443. SCI Rank 1, IF11.4.
- 3.Zhang, JQ., Tang, HZ., Yu, X., Xue, DS., Li, M., Xing, XY., Chen, H., Chen, J., Wang, CJ., **Gong, CJ***. Co-production of ferulic acid and p-coumaric acid from distiller grain by a putative feruloyl esterase discovered in metagenome assembled genomes. *Journal of Cleaner Production.*, 2024, 439, 140814. Rank 1, IF11.1.
- 4.Xue, DS., Xing, XY., Jiang, BR., Xiao, TX., You, XH., Huang, J., He, FF., **Gong, CJ***. Ethyl lactate biosynthesis by the cascade of the aerobic process and the anaerobic process with corn stover. *Cellulose.*, 2024, 31, 1497-1508. Rank 1, IF5.7.
- 5.Cao, LP., Xue, DS., Liu, XJ., Wang, CJ., Fang, DL., Zhang, JQ., **Gong, CJ***. Ferulic acid production from wheat bran by integration of enzymatic pretreatment and a cold-adapted carboxylesterase catalysis. *Bioresource Technology*,385:129435. Rank 1, IF11.889.
- 6.Fang, DL., Xue, DS., Liu, XJ., Cao, LP., Zhang, JQ., **Gong, CJ***. Concurrent production of ferulic acid and glucose from wheat bran by catalysis of a putative bifunctional enzyme. *Bioresource Technology*, 369: 128393. Rank 1, IF11.889.
- 7.Zhang, JQ., Xue, DS., Wang, CJ., Fang, DL., Cao, LP., **Gong, CJ***. Genetic engineering for biohydrogen production from microalgae.*iScience*,26:107255. Rank 2, IF6.107.
- 8.**Gong, CJ.**, Cao., LP., Fang, DL., Zhang, JQ., Awasthi, MK., Xue, DS*. Genetic manipulation strategies for ethanol production from bioconversion of lignocellulose waste. *Bioresource Technology*,352: 127105. Rank 1, IF11.889.
- 9.**Gong, CJ.**, Singh, A., Singh, P., Singh, A*, Anaerobic Digestion of Agri-Food Wastes for Generating Biofuels. *Indian Journal of Microbiology.* 61(4):427-440. Rank 4, IF3.0.
- 10.Xue, DS., Yao, DH., Sukumaran, RK., You, XH., Wei, ZB., **Gong, CJ***. Tandem integration of aerobic fungal cellulase production, lignocellulose substrate saccharification and anaerobic ethanol fermentation by a modified gas lift bioreactor. *Bioresource Technology*,302: 122902. Rank 1, IF11.889.
- 11.**Gong, CJ.**, Lai, Qi liang., Cai, HF., Jiang, YM., Liao, H., Liu, YF., Xue, DS*. *Cryobacterium soli* sp. nov., isolated from forest soil. *International Journal Systematic Evolutionary Microbiology.* 70(1):675-679. Rank 3, IF2.747.
- 12.Xue, DS., Yao, DH., You, XH., **Gong, CJ***. Green Synthesis of the Flavor Esters with a Marine *Candida parapsilosis* Esterase Expressed in *Saccharomyces cerevisiae*. *Indian Journal of Microbiology.* 60(2):175-181. Rank 4, IF2.461.
- 13.**Gong, CJ.**, You, XH., Zhang, SY., Xue DS*. Functional Analysis of a Glutamine Biosynthesis Protein from a Psychrotrophic Bacterium, *Cryobacterium soli*, G CJ02. *Indian Journal of Microbiology.* 60(2):153-159. Rank 4, IF2.461.
- 14.Xue, DS., Jiang, YM., **Gong, CJ***. Exogenous xylanase expression simultaneously with the indigenous cellulose to increase the cellulose hydrolysis efficiency. *International Biodeterioration and Biodegradation.* 40: 126–132. Rank 2, IF4.320.