

	<b>基本信息</b>	
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<p>长期从事酶的分子改造以及工业微生物发酵优化的研究，主要承担本科生国家双语示范课程、以及研究生课程的讲授工作。近年来共发表高水平研究论文30余篇，出版专著（或教材）3部；申请国家发明专利20余项；主持或参与包括国家自然科学基金、863探索、教育部科技类研究项目、校企合作科研等在内的省部级科研项目。</p>		
<b>学习工作经历（自本科填起）</b>		
<p>曾就读于日本大阪大学工学部获工学博士学位，现为江南大学生物工程学院教授，中国微生物学会、中国生物化学与分子生物学会会员。</p>		
<b>主要代表性成果：</b>		
一、论文（论著）发表情况		
<ol style="list-style-type: none"> <li>1. Yongpeng Zhou, Xidong Ren, Liang Wang, Xuesheng Chen, Zhonggui Mao, <b>Lei Tang*</b>. Enhancement of <math>\epsilon</math>-poly-lysine production in <math>\epsilon</math>-poly-lysine-tolerant <i>Streptomyces</i> sp. by genome shuffling. <i>Bioprocess Biosyst. Eng.</i> 2015 38(9):1705–1713.</li> <li>2. Huixing Li, Ruijing Zhang, <b>Lei Tang*</b>, Jianhua Zhang, Zhonggui Mao*. In vivo and in vitro decolorization of synthetic dyes by laccase from solid state fermentation with <i>Trametes</i> sp. SYBC-L4. <i>Bioprocess Biosyst. Eng.</i> 2014, 37(12):2597-605.</li> <li>3. Huixi Li, Ruijin Zhang, <b>Lei Tang*</b>, Jianhua Zhang, Zhonggui Mao*. Manganese peroxidase production from cassava residue by <i>Phanerochaete chrysosporium</i> in solid state fermentation and its decolorization of indigo carmine. <i>Bioprocess Biosyst. Eng.</i>, 2014, 37(8):1659-68.</li> <li>4. <b>Lei Tang*</b>, Chenchen Wang, Jiabao Huang, Jianhua Zhang, Zhonggui Mao, Haiou Wang. Comparative analysis of peroxidase profiles in Chinese kale (<i>Brassica alboglabra</i> L.): Evaluation of leaf growth related isozymes, <i>Food Chem.</i>, 2013, 136(2): 632-635.</li> <li>5. Shu Li, Xusheng Chen, Chuanliang Dong, Fulin Zhao, <b>Lei Tang*</b>, Zhonggui Mao*. Combining genome shuffling and interspecific hybridization among <i>Streptomyces</i> improved <math>\epsilon</math>-poly-L-lysine production. <i>Appl. Biochem. Biotechnol.</i>, 2013, 169 (1):338-350.</li> <li>6. Shu Li, Feng Li, Xusheng Chen, Liang Wang, Jian Xu, Lei Tang*, Zhonggui Mao*. Genome shuffling enhanced <math>\epsilon</math>-poly-L-lysine production by improving glucose tolerance of <i>Streptomyces gramineus</i>. <i>Appl. Biochem. Biotechnol.</i>, 2012, 166 (2): 414-423.</li> <li>7. Xusheng Chen, Xidong Ren, Nan Dong, Shu Li, Feng Li, Fulin Zhao, Lei Tang*, Jianhua Zhang, Zhonggui Mao*. Culture medium containing glucose and glycerol as a mixed carbon source improves <math>\epsilon</math>-poly-L-lysine production by <i>Streptomyces</i> sp. M-Z18. <i>Bioprocess Biosyst. Eng.</i>, 2012, 35 (3):469-475.</li> <li>8. Xusheng Chen, Shu Li, Lijuan Liao, Xidong Ren, Feng Li, Lei Tang*, Jianhua Zhang, Zhonggui Mao*. Production of <math>\epsilon</math>-poly-L-lysine using a novel two-stage pH control strategy by <i>Streptomyces</i> sp. M-Z18 from glycerol. <i>Bioprocess Biosyst. Eng.</i>, 2011, 34 (5):561–567.</li> <li>9. Lei Tang*, Zhenai Li, Xiaoxuan Dong, Ruijin Yang, Jianhua Zhang, Zhonggui Mao. Lactulose biosynthesis by <math>\beta</math>-galactosidase from a newly isolated <i>Arthrobacter</i> sp. <i>J. Ind. Microbiol. Biotechnol.</i>, 2011, 38 (3): 471-476.</li> </ol>		

二、专利情况
<ol style="list-style-type: none"> <li>1. 一种稳定抗坏血酸过氧化物酶结构与活性的方法, ZL 201410283548.1.</li> <li>2. 一种产木聚糖酶的重组菌及其应用, 2016105514161.</li> <li>3. 一种提高<math>\epsilon</math>-聚赖氨酸产量的方法, 2016105514176.</li> <li>4. 一种重组木聚糖酶的制备及其应用于木薯渣降解的方法, 2015103408873.</li> <li>5. 一种<math>\epsilon</math>-聚赖氨酸耐受型高产菌株的育种方法, 201502393230.</li> </ol>
三、承担教学科研项目情况
<ol style="list-style-type: none"> <li>1. 国家自然科学基金: <math>\epsilon</math>-聚赖氨酸生产菌株的基因组重排与发酵优化机制</li> <li>2. 国家自然科学基金: 芥蓝采后叶绿素降解流向及其调控机理研究</li> <li>3. 国家自然科学基金: 一组高效纤维素降解复合菌系的关键降解因子及其作用机制</li> <li>4. 863探索: <math>\beta</math>-半乳糖苷酶与葡萄糖异构酶的修饰、共固定化及高纯度乳果糖的制备技术</li> <li>5. 国家双语教学示范课程: 生物技术基础</li> </ol>
四、获奖情况 (含指导学生获奖)
获得教育部技术发明二等奖, 江南大学教学成果一等奖, 新华扬教师奖等奖励。

以上资料更新时间截止: 2017年12月