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## 郑之明

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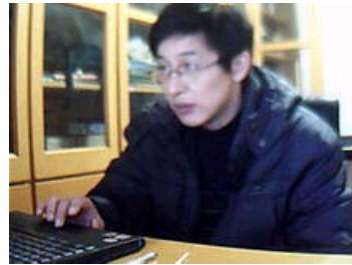
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Zhiming Zheng, male, was born in Huaining county, Anhui province in 1963, professor and an academic advisor for doctoral students of industrial biotechnology, key lab. of Ion Beam Bioengineering, Institute of Plasma Physics, Chinese Academy of Sciences (CAS). He was graduated from East China University of Science and Technology in 1983, and in 1991 got master degree in National Key Laboratory of Biochemical Engineering, Institute of Process Engineering, CAS, majoring in biochemical engineering. He has engaged in the research and development of industrial biotechnology for many years. Several researches have been industrialized successfully. In recent years, about 30 papers have been published in important research journal. Focusing on the fermentation of bulk chemicals, fine chemicals and industrial enzymes, now his main research interests are ion beam microbial reaction engineering and metabolic engineering, including mainly the low-energy ion beams mutation breeding, fermentation pathway kinetics and transfer phenomenon, the couple of the fermentation and separation, the control of biochemical reaction networks and designing of scale-up of fermentation. As a project head and a coordinator, now he joins several projects, such as national major project of 863 program, project of National Natural Scientific Foundation, as well as the key R & D project of Anhui province. So far, two students for M.S. degree have graduated under his supervision. And two students for Ph.D and four students for M.S. degree have also graduated under his co-supervision. Now, there are 5 students for Ph.D or M.S. degree in study. The students with backgrounds of microbiology, biochemical or bioengineering are preferably welcome.

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## 个人介绍:

郑之明, 1963年出生, 籍贯安徽怀宁, 中国科学院离子束生物工程国家重点实验室工业生物技术学术带头人, 研究员, 博士生导师。1983年毕业于华东理工大学生物工程系生物化学专业, 1991年毕业于中科院过程工程研究所生化工程国家重点实验室; 长期从事工业生物技术研究开发工作, 多项研究成果通过国家和省级鉴定并成功产业化; 近年来在国内外学术期刊发表论文三十余篇, 国家专利2项。研究方向为离子束微生物反应工程和代谢工程, 以大宗化学品、精细化学品、酶制剂发酵为目标, 主要从事工业微生物菌种离子束诱变选育、生物反应动力学以及传递过程、微生物代谢网络分析和控制、发酵分离偶联技术、工业发酵过程优化与设计放大等。目前主持和承担国家重点863、自然科学基金以及安徽省重点攻关项目。已培养和协助培养博士、硕士研究生多名, 在读研究生5名, 招收生物化学、微生物学、生物工程学背景的硕士、博士研究生。

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