



朱平 研究员，博士生导师，药物所生物合成室、卫生部天然药物生物合成重点实验室主任，天然药物活性物质与功能国家重点实验室（筹）副主任，中国菌物学会常务理事，中国菌物学会药用真菌专业委员会主任，中国微生物学会真菌专业委员会委员，北京植物学会理事，菌物学报编委等。

1988年中国协和医科大学微生物药物学专业研究生毕业，之后，在药物所工作至今。

1991年11月-1993年8月由欧共体资助在英国诺丁汉大学进修真菌分子生物学。2004年4月-11月，作为访问教授在美国夏威夷大学从事海绵相关微生物研究。

目前主要开展：1.天然药物合成生物技术研究，包括天然药物合成生物学、药用催化酶或生物活性蛋白的基因克隆与异源表达和利用；2. 海绵等动植物内生菌及药用真菌分离培养、生物发酵、分子系统学及活性代谢产物研究。近年来主持或承担了国家“863”项目子课题、国家自然科学基金、“十一五”重大新药创制科技重大专项等项目，以及一些横向合作课题。申请专利6项（包括2项PCT专利），已授权1项；发表学术论文70多篇；参编著作3部。

部分论著和专利：

论文

1. Chang-Qing Li, Wen-Chao Liu, **Ping Zhu***, Jin-Ling Yang, Ke-Di Cheng. Phylogenetic diversity of bacteria associated with the marine sponge *Gelliodes carnosa* collected from the Hainan island coastal waters of the South China Sea. *Microb Ecol* DOI 10.1007/s00248-011-9896-6. 2011, 62: 800-812.

2. Gao Jian, LIAN Ze-qin, **ZHU Ping***, ZHU Hai-bo*. Lipid-lowering effect of cordycepin (3-deoxyadenosine) from *Cordyceps militaris* on hyperlipidemic hamsters and rats (English). *药学学报*. 2011, 46(6):669-676.

3. Liu, W. C., Li, C. Q., **Zhu, P***, Yang J. L., and Cheng, K. D. Phylogenetic diversity of culturable fungi associated with two marine sponges: *Haliclona simulans* and *Gelliodes carnosa*, collected from the Hainan Island coastal waters of the South China Sea. *Fungal Divers*. 2010, 42:1-15.

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6. Jin-Ling Yang, Ping Zhu*, Gui-Fang Cheng, Ke-Di Cheng, Hui-Xia He, Hui-Xin Zhu. Expression, purification and characterization of an analgesic peptide from *Buthus martensii* Karsch in *Pichia pastoris*. *World J Microbiol Biotechnol*. 2009, 25:2053-2056.

7. Chen-Xi Hu, Hui Huang, Li Zhang, You Huang, Zhu-Fang Shen, Ke-Di Cheng, Guan-Hua Du and Ping Zhu*. A new screening method based on yeast-expressed human dipeptidyl peptidase IV and discovery of novel inhibitors. *Biotechnol Lett*. 2009, 31:979 - 984.

8. KONG Jiang-Qiang*, WANG Wei*, WANG Li-Na, ZHENG Xiao-Dong, CHENG Ke-Di and ZHU Ping*. The Improvement of Amorpha-4,11-diene Production by a Yeast-conform Variant. *J Appl Microbiol*. 2009, 106: 941-951.

9. Ping Zhu, Quanzi Li, Guangyi Wang. Unique Microbial Signatures of the Alien Hawaiian Marine Sponge *Suberites zeteki*. *Microb Ecol*. 2008; 55: 406 - 414.

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11. Wei Yuan, Ping Zhu*, Kedi Cheng*, Chao Meng, Lin Ma, Feng Wu and Huixin Zhu. Callus of *Securinega suffruticosa*, a Cell Line Accumulates Dextro Securinega Alkaloids. *Nat Prod Res*. 2007, 21(3): 234-242.

12. Wei Yuan, Li-Ping Zhang, Ke-Di Cheng, Ping Zhu*, Quan Wang, Hui-Xia He, and Hui-Xin Zhu. Microbial O-Demethylation, Hydroxylation, Sulfation and Ribosylation of a Xanthone Derivative from *Halenia elliptica*. *J Nat Prod*. 2006, 69(5):811-814.

13. Wei Yuan, Huixin Zhu, Kedi Cheng, Zhentai Huang, Yong Qin, Jinling Yang and Ping Zhu*. A Novel Butenoate Derivative from *Aspergillus niger*. *Nat Prod Res*. 2006, 20(6):573 - 577.

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18. Zhentai Huang, Tiantai Zhang, Jinling Yang, Ping Zhu*, Guanhua Du and Kedi Cheng. Cloning and Expression of Human Lectin-like Oxidized Low Density Lipoprotein Receptor-1 in *Pichia pastoris*. *Biotechnol Lett.* 2005, 27(1):49-52.

19. Tao Liu, Ping Zhu, Ke-di Cheng, Chao Meng, Hui-xia He. Molecular Cloning, Expression and Characterization of Hyoscyamine 6-Hydroxylase from Hairy Roots of *Anisodus tanguticus*. *Planta Med.* 2005, 71(3):249-253.

20. Tao Liu, Ping Zhu, Ke-di Cheng, Chao Meng, Hui-xin Zhu. Molecular Cloning and Expression of Putrescine N-methyltransferase from Hairy Roots of *Anisodus tanguticus*. *Planta Med.* 2005, 71(10):987-989.

参编专著

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2. Recent Progress in Medicinal Plants, Volume 16, Phytomedicines. Govil JN, et al. eds. Studium Press LLC, U.S.A. 2007 (2. Biotechnological Studies on *Anisodus tanguticus*).

3. McGraw-Hill Year Book of Science & Technology 2011. David Blumel, et al. eds. The McGraw-Hill Companies, Inc. 2011 (Medicinal Fungal Research in China.)

专利

1. 朱平, 朱海波, 朱慧新, 张岭, 何惠霞, 王全, 程克棣, 石建功, 杨永春. 3 β -脱氧腺苷在制备降血脂药物中的应用. 专利号ZL 200310101650. 7.

2. 朱平, 王伟, 孔建强, 戴均贵, 程克棣, 王丽娜, 郑晓东. 生产紫穗槐-4,11-二烯和青蒿酸的方法. 申请号CN 200710187922. 8; 公开号CN101338309A.

3. 朱海波, 吴松, 郝玲花, 渠凯, 朱平, 王星, 李薇. 三乙酰基-3-羟基苯基腺苷及其调血脂的用途. 申请号CN 200810223649. 4; PCT/CN2009/070725.

4. 叶菲, 朱海波, 朱平. 3 β -脱氧腺苷减肥、胰岛素增敏和改善脂代谢的用途. 申请号CN200810106024. X; 公开号CN101574144A.

5. 朱平, 程海立, 赵瑞玉, 程克棣, 何惠霞, 孟超, 朱慧新. 一种7-木糖紫杉烷糖基水解酶、其基因的核苷酸序列及其应用. 申请号: CN201010209089. 4; PCT/CN2011/072678.

6. 黄海洪, 申竹芳, 韩蓓, 环奕, 尹大力, 林紫云, 李鹏, 吴琪, 胡晨曦, 刘景龙, 朱平. 硫代吗啉类化合物及其制备方法和用途. 申请号CN201010515933. 6.

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