

虞泓简介

虞泓，教授，博士生导师，云南大学生命科学学院教授，云南大学生命科学学院教授委员会主任，云南大学中草药生物资源研究所主任，云南大学生命科学学院植物科学研究所主任。主持云南云百草实验室工作，从事植物学和中草药科研与教学。1984年毕业于云南大学生物系，留校从事植物生态学和植物分类学科研与教学；1990年7月在云南大学生物系植物学专业硕士研究生毕业，获硕士学位，留校从事植物遗传学科研与教学；1996年7月在云南大学生态所生态学专业博士研究生毕业，获博士学位；1996年9月至1999年10月，在中国科学院植物研究所系统与进化植物学开放实验室做博士后研究，研究方向植物生态遗传学；1999年10月博士后出站答辩，被评为中国科学院植物研究所研究员，同年在云南省破格晋升为教授。

2000年作为云南大学植物学专业学术第一带头人，组织申报植物学博士学位授权点，获得国务院学位办批准。1998年主持完成国家自然科学基金青年基金项目《云南松分子水平上的生态地理变异式样研究》，2001年主持完成云南省“九五”科技攻关项目《云南百合科花卉新品种选育研究》，2005年主持完成国家自然科学基金重点项目《云南百合花卉遗传资源及利用研究》，2005年主持完成中药现代化科技产业（云）基地专项《重要濒危药材（红景天）引种驯化研究》，2005年主持完成2005版《中华人民共和国药典--大花景天标准》，2006年主持完成国家自然科学基金项目《濒危物种金铁锁保护生物学研究》，2006年主持完成云南省自然科学基金项目《濒危植物云南黄连保护生物学研究》。1997年主持完成的《横断山区百合科四个属的细胞遗传与进化研究》获“云南省自然科学二等奖”；1998年主持完成的《云南百合科遗传多样性与进化研究》获首届“云南省青年科技奖”；2002年获云南省人民政府授予“云南省中青年学术和技术带头人”称号；2003年荣获“云南省优秀科学论文”一等奖；2007年所教授《遗传学》评为云南省级精品课程；2008年获昆明国家高新技术产业开发区“科技创新领军人物奖”。

发表论文70余篇，SCI论文10余篇。已培养硕士研究生20余人、博士研究生3人。

虞泓简历

通信邮政：650091 昆明市翠湖北路2号 云南大学生命科学学院生态遗传学实验室

E-mail: hongyu@ynu.edu.cn or herbfish@163.com

主要学习经历

1980年9月-1984年7月	云南大学生物系植物学专业	本科
1987年9月-1990年7月	云南大学生物系植物学专业 生态遗传与进化研究方向	硕士
1992年9月-1996年7月	云南大学生态所生态学专业 进化生态研究方向	博士
1996年9月-1999年10月	中科院植物所系统与进化 植物学开放研究实验室 生态遗传研究方向	博士后

主要业务工作经历

1984年07月-1990年09月	云南大学生态所 从事植物分类和植物生态学科研究与教学	助教
1990年09月-1992年09月	云南大学生物系 从事遗传学教学与科研	助教
1992年09月-1996年09月	云南大学生物系 从事遗传学和居群生物学教学与科研	讲师
1996年10月-1999年8月	云南大学生命科学与化学学院生物系 从事遗传学和生态遗传教学与科研	副教授
1999年9月-今	云南大学生命科学学院 从事遗传学和生态遗传教学与科研	教授
1993年09月-1995年09月	云南大学生物系遗传实验室	主任
1995年09月-1999年09月	云南大学生物系结构与进化实验室	主任
1997年09月-1999年09月	云南大学生命科学与化学学院	副院长
1999年11月-2005年12月	云南英茂生物技术实验室	主任
2007年01月-今	云南大学中草药生物资源研究所	主任
2008年09月-今	云南大学生命科学学院植物科学研究所	主任
1999年11月-今	云南大学生命科学学院生态遗传学实验室	主任
1999年07月-今	云南大学生命科学学院植物学专业	学科带头人
2000年07月-今	云南大学生命科学学院植物学专业	首席博导
2006年09月-今	云南大学生命科学学院教授委员会	主任
2006年09月-今	云南大学生命科学学院学术委员会	副主任

发表论文

- 1 党承林, 虞泓. 云南松上层林木生物量与生态因子的关系. 云南大学学报(自然科学版), 1992, 14 (2):146~151
- 2 虞泓, 彭鉴. 云南石屏县牛达林区天然云南松中幼年林林木生物量的研究. 云南大学学报(自然科学版), 1993, 15 (2):164~171
- 3 虞泓, 黄瑞复. 滇蜀豹子花核型及其变异研究. 植物分类学报, 1994, 32 (4):301~307
- 4 虞泓, 黄瑞复. 两种豹子花花粉极其发育形态的研究. 云南大学学报 (自然科学版), 1994, 16 (3):281~284
- 5 虞泓, 张文逸, 邓新晏. 大学班主任工作新探. 思想理论教育, 1995, 30 (2):56~59
- 6 虞泓. 生物多样性的研究内容及其方法. 东陆学林, 1995, 5.
- 7 Huang R F, Xu J M, Yu H. A study on karyotypes and their evolutionary trend in *Allium Sect. Bromatorrhiza* Ekberg (Liliaceae). *Cathaya*, 1995, 7:133~145
- 8 虞泓, 黄瑞复, 魏蓉城. 川百合种内核型多样性研究. 云南植物研究, 1996, 增刊 VIII:1~14
- 9 虞泓, 黄瑞复, 晏一祥. 宽瓣豹子花核型多态性研究. 云南植物研究, 1996, 增刊 VIII:35~47
- 10 虞泓, 黄瑞复, 党承林. 宽豹子花形态特征的多态性研究. 云南植物研究, 1996, 增刊 VIII:48~58
- 11 虞泓, 黄瑞复, 郑树松. 滇蜀豹子花居群染色体数量变异研究. 云南植物研究, 1996, 增刊 VIII:23~34
- 12 虞泓, 黄瑞复, 臧玉洁. 云南假百合核型研究. 云南植物研究, 1996, 增刊 VIII:59~77
- 13 黄瑞复, 虞泓. 自然三倍体韭子代中的整倍性研究. 云南植物研究, 1996, 增刊 VIII:85~90
- 14 黄瑞复, 党承林, 虞泓. 染色体基数为7的两种葱属植物的核型研究. 云南植物研究, 1996, 增刊 VIII:91~97
- 15 虞泓, 邓永进. 试论云南少数民族与生态环境的关系. 思想战线, 1996, 131 (5):90~93
- 16 Hong De-Yuan, Pan Kai-Yu and Yu Hong. Taxonomy of the *Paeonia dalavayi* Complex (*Paeoniaceae*). *Annals of the Missouri Botanical Garden*, 1998, 85:554~564
- 17 虞泓, 黄瑞复. 云南松居群核型及其分化研究. 植物分类学报, 1998, 36 (3):222~231
- 18 虞泓, 郑树松, 黄瑞复. 云南松居群雄球花多态性研究. 生物多样性, 1998, 6(4):267~271
- 19 虞泓, 钱韦, 黄瑞复. 云南松居群遗传学的等位酶分析方法. 云南植物研究, 1999, 21(1):68~80
- 20 虞泓, 徐正尧, 杨彩云. 云南松居群花粉形态多态性. 云南大学学报(自然科学版), 1999, 21 (2):86~89
- 21 虞泓, 洪德元, 陈家宽, 顾红雅. 从“烟草夕阳”转向“花卉朝阳”——关于云南支柱产业的高新技术革命. 科技导报, 1999, 130 (4):45~49
- 22 虞泓. 云南野生花卉拾零. 科技导报, 1999, 130 (4):50~52
- 23 虞泓, 张文逸. 云南农业新技术革命的现状及对策——兼论云南农业新技术革命急需现代化生物技术推动. 西南农学报, 1999, 12(2):120~126
- 24 虞泓, 戴波, 马绍宾, 邓永进. 云南少数民族居群及其文化进化研究构想. 思想战线, 1999, 25(3):84~88
- 25 虞泓, 葛颂, 黄瑞复, 姜汉侨. 云南松及其近缘种的遗传变异及其亲缘关系初探. 植物学报, 2000, 42(1):107~110
- 26 Yu Hong, Ge Song, Hong De-Yuan. Allozyme Diversity and Populations Genetic Structure of *Pinus*

- densata* Master in Northwestern Yunnan, China. *Biochemical Genetics*, 2000, 38(5/6):139~147
- 27 虞泓, 王红霞, 游丹. 泸定百合染色体形态研究. *云南大学学报(自然科学版)*, 2000, 22(1):60~67
 - 28 Yu ZHAO, Wei LU, XiaoJinang HAO, Jun Chao CAI, **Hong YU**, etc. Synthesis of Cytotoxic Sinapyl Alcohol Derivatives from *Ligularia nelumbifolia*. *Chinese Chemical Letters*, 2002, 13(3):201~204
 - 29 Yu ZHAO, Peng WANG, Simon PARSOMS, David W.H.RANKIN, Francoise GUERITTE, Thierry SEVENET, **Hong YU**, etc. Saluenolide A, A Novel Eremophilanolide from *Senecio saluenensis*. *Chinese Chemical Letters*, 2002, 13(4):333~334
 - 30 Yu Zhao, Xiaojiang Hao, Wei Lu, Junchao Cai, **Hong Yu**, Thierry Sevénet, and Francoise Guéritte. Syntheses of Two Cytotoxic Sinapyl Alcohol Derivatives and Isolation of Four New Related Compounds from *Ligularia nelumbifolia*. *J. Nat. Prod*, 2002, 65:902~908
 - 31 戴波, 顾红雅, 瞿礼嘉, 虞泓*. 韭不同倍性及其非整倍体的 ITS 序列变异研究. *云南植物研究*, 2003, 25(4):483-490
 - 32 何显静, 李标, 周利杰, 虞泓*. 云南 5 种百合形态多样性研究. *黑龙江农业科学*, 2003, (6):26-28
 - 33 何显静, 王兵益, 虞泓. SAS 系统在川百合形态变异式样研究中的运用. *云南大学学报(自然科学版)*, 2003, 25 (增刊):75~77
 - 34 何显静, 李标, 虞泓. 紫斑百合居群生物学研究. *云南大学学报(自然科学版)*, 2003, 25 (增刊):78~83
 - 35 贾琳, 陆巧玲, 虞泓. 泸定百合遵义居群与牟定居群的遗传多样性研究. *云南大学学报(自然科学版)*, 2003, 25 (增刊):84~90
 - 36 毛钧, 张明宇, 虞泓. 泸定百合普洱居群遗传与变异研究. *云南大学学报(自然科学版)*, 2003, 25 (增刊):91~96
 - 37 李标, 虞泓, 唐坤. 紫斑百合居群核型变异式样重庆邮电学院学报, 2004, 16(1):98~102
 - 38 张金渝, 虞泓*, 张时刚, 邓成西. 滇重楼与华重楼的野生驯化和繁殖技术研究. *西南农业学报*, 2004, 17(3):314~317
 - 39 王海英, 虞泓*, 李南高, 何显静, 张金渝, 周利杰. 丽江山慈菇 RAPD 遗传变异初探, *中草药*, 2004, 35 (6): 685~688
 - 40 虞泓, 和锐. 石斛属 4 种植物的 AFLP 分析, *中草药*, 2004, 35 (7): 808~810
 - 41 张金渝, 虞泓*, 张时刚, 丁长春. 多叶重楼遗传多样性的 RAPD 分析. *生物多样性*, 2004, 12(5): 517~522
 - 42 张绍斌, 许介眉, 虞泓*. 云南淡黄花百合 10 居群核型研究. *云南植物研究*, 2004, 26(4): 413~420
 - 43 陈小兰, 虞泓*, 黄瑞复, 邓新晏. 昆明地区滇韭形态及染色体多态性研究. *云南植物研究*, 2004, 26(5):529~536
 - 44 虞泓, 朱荣勋, 李永谊, 和云峰. 云南常见红景天的 RAPD 分析, *中草药*, 2004, 36 (1): 96~99
 - 45 周利杰, 陆永武, 虞泓. 灯盏花的组织培养. *山西师范大学学报(自然科学版)*, 2004, 18(增 1): 48-51

- 46 周利杰, 李南高, 虞泓*, 张时刚. 云南灯盏花遗传变异的 RAPD 分析. 云南植物研究, 2005, 27(1): 59~65
- 47 王海英, 虞泓*, 李南高, 和锐, 张明宇. 云南丽江山慈菇遗传多样性的 DALP 分析. 云南植物研究, 2005, 27(2): 156~162
- 48 丁长春, 虞泓*, 刘方媛, 魏兴强. 杏黄兜兰胚培养与快速繁殖. 植物生理学通讯, 2005, 41(1):55
- 49 丁长春, 虞泓*, 刘方媛. 影响杏黄兜兰种子萌发的各种因素. 云南植物研究, 2005, 26(6): 673~677
- 50 虞泓, 陆永武, 程治英. 大百合的离体快繁和鳞茎的诱导. 植物生理学通讯, 2005, 41(2):192
- 51 晏婴才, 程治英, 虞泓*. 云南野生红景天的组织培养与快速繁殖. 植物生理学通讯, 2005, 41(3):341
- 52 张金渝, 虞泓*, 张时刚, 邓成西. 重楼属植物 DNA 提取的方法研究. 生物技术, 2005, 15(4): 39~41
- 53 虞泓, 毛钧, 瞿素萍, 熊丽. 亚洲系百合九个品种的亲缘关系研究——来自 nrDNA ITS 证据. 西南农业学报, 2004, 18 (4):314~317
- 54 Yu Hong, Zhang Shi-Gang. *Epigeneium gaoligongense*(Orchidaceae), a new species from Yunnan, China. NOVON,2005, 15(3):495~497
- 55 YU Hong, QU Yang, CHEN Xing-qi. Efficacy of Golden Dendrobium Tablets on Clearing and Smoothing Laryngopharynx [J]. Journal of Yunnan University (Chinese), 2005, 27(5):440~445.
- 56 TANG Hong-min, YU Hong*. Intermediate Studies on Refolding of Arginine Kinase Denatured by Guanidine hydrochloride [J]. Biochem. Cell Biol., 2005, 83 (2): 109~114.
- 57 王元忠, 汤洪敏, 虞泓*, 张振富. 巨大口蘑子实体营养成分分析. 食用菌学报, 2005, 12 (2): 24~26.
- 58 王元忠, 李兴奎, 虞泓*, 张振富. 小美牛肝菌子实体主要成分的测定. 食用菌学报, 2005, 12 (4): 5~8.
- 59 李永谊, 虞泓*, 朱荣勋, 和睿, 倪念春. 红景天属植物 DALP 反应体系的建立, 中草药, 2005, 36 (3): 419~423
- 60 王元忠, 汤洪敏, 虞泓, 张振富*. 野生与栽培巨大口蘑子实体营养成分比较, 中国食用菌, 2005, 24(3):46~47
- 61 李涛, 王元忠, 虞泓*, 曹玉娟. 黄褐牛肝菌子实体营养成分分析. 食用菌学报, 2006, 13 (3): 55~57
- 62 郭亚东, 马涛, 虞泓*, YANG Guang-yu, 张丽娟. HPLC 法快速测定红景天苷. 天然产物研究与开发, 2005, 17(增刊): 65~66
- 63 梁南熙, 虞泓*, 张丽娟, 郭亚东. 薄层色谱法测定单株灯盏花乙素的含量. 云南大学学报(自然科学版), 2006, 28 (2):150~152
- 64 梁南熙, 虞泓*, 张丽娟, 晏婴才. HPLC 法测定红景天居群中红景天苷的分布式样, 天然产物研究与开发, 2006, 18(增刊): 26~29
- 65 贾琳, 史云东, 虞泓, 周元清. 莲瓣兰繁育方式研究. 玉溪师范学院学报(自然科学版), 2006, 12 (22): 84~86
- 66 汤洪敏, 吴刚, 虞泓*. 云南野生大白口蘑遗传多样性研究. 菌物学报, 2007, 26 (1): 128~134

- 67 汤洪敏, **虞泓***, 李长利, 张灼. 大白口蘑生物学特性的观察. 菌物学报, 2007, 26 (2): 297~301
- 68 马云淑, 李永谊, **虞泓**. 正交实验法优化千斤藤属植物的 DALP 反应体系, 昆明医学院学报, 2007, 4: 31~34
- 69 张明宇, **虞泓***, 邓成西, 毛钧, 张时刚. 石斛属植物表皮特征及其分类学意义. 西南农业学报, 2007, 20 (4): 716~720
- 70 李 涛, 王元忠, **虞泓***, 曹玉娟, 张晶晶, 刘琴. 火焰原子吸收光谱法测定中草药川东獐牙菜中的 8 种微量元素. 光谱学与光谱分析, 2007, 27(12): 2598~2600 (IF=0.557)
- 71 Yegao Chen, Junju Xu, **YU Hong**, Chen Qing, Yanli Zhang, Ying Liu, Jihua Wang. 3,7-Dihydroxy-2,4,6-trimethoxyphenanthrene, a new phenanthrene from *Bulbophyllum odoratissimum* [J]. Journal of the Korean Chemical Society, 2007, 51: 325~355
- 72 Yegao Chen, Junju Xu, **YU Hong**, Chen Qing, Yanli Zhang, Liqin Wang, Ying Liu, Jihua Wang. Cytotoxic phenolics from *Bulbophyllum odoratissimum* [J]. Food Chemistry, 2008, 107: 169~173
- 73 Yun-shu Ma, **YU Hong***, Yong-yi Li, Hong Yan, Xin Cheng. A Study on Genetic Structure of *Stephania yunnanensis* H. S. Lo (Menispermaceae) by DALP [J]. Biochemical Genetics, 2008, 46: 224~240
- 74 Yi-jian Chen, Xue-chang Dong, Yun Dai, Qiu-fen Hu, **YU Hong***. Determination of trace mercury in Chinese herbal medicine by cold vapour generation-atomic fluorescence spectrometry [J]. Aisan Journal of Chemistry, 2008, 20(6): 4639~4646
- 75 Heng-Yu Huang, Yi-Guang Chen, Yong-Xia Wang, Ji-Hui Liu, Shu-Kun Tang, Qian Peng, Meng-Liang Wen, Hong Yu* and Xiao-Long Cui*. *Halomonas sediminis* sp. nov., a new halophilic bacterium isolated from salt-lake sediment in China [J]. Extremophiles, 2008, 12: 829~835

* 通讯作者

主持完成科研项目

- 1 主持完成 《云南松生态遗传与进化研究》
(云南省教委科学基金 1993. 09.—1995. 12., 0.80 万元)
- 2 主持完成 《云南松分子水平上的生态地理变异式样研究》
(国家自然科学基金青年基金 39500024, 1996.01.—1998.12., 8.00 万元)
- 3 主持 《云南百合科花卉新品种选育研究》
(云南省“九五” 科技攻关项目 95A6—5, 1997. 09 — 2000. 12., 66.00 万元)
- 4 主持完成《灯盏花和丽江山慈菇药用植物繁育生物学研究》
(昆明制药集团有限公司资助项目 2003.01—2004.12, 10.00 万元)
- 5 主持完成 《云南百合科花卉遗传资源及利用研究》
(国家自然科学基金重点项目 30160073, 2001.01.—2004.12, 80.00 万元)

- 6 主持完成《重要濒危药材（红景天）引种驯化研究》
(中药现代化科技产业(云南)基地专项 2002.09.—2005.09, 55.00 万元, 批准号 2002ZY-18)
- 7 主持完成《濒危物种金铁锁保护生物学研究》
(国家自然科学基金项目 2004.01.—2006.12., 20.00 万元, 批准号 30370156);
- 8 主持完成《濒危植物云南黄连保护生物学研究》
(云南省自然科学基金项目 2004.01—2006.12, 6.00 万元, 批准号 2003C0006M);
- 9 主持《云南虫草遗传资源及其开发利用研究》
(云南省自然科学基金重点项目 2008.09—2010.12, 35.00 万元, 批准号 2008CC019)

教学工作

授 课 情 况	课程名称	课程性质	总学时/人数	任课时间	本人角色
	遗传学	生物学理科基地班 生命科学与技术基地班	54/36	2000.03— 2007.07.	亲自授课
	生态遗传学研究方法与 技术	硕士研究生	54/6	2000.02— 2000.06	亲自授课 指导实验
	进化生物学	全校先修课	36/209	2000.09— 2001.02	亲自授课
	进化生物学	生物学理科基地班	36/62	2001.09— 2002.02 2008.09— 2009.01	亲自授课
	居群生物学	硕士研究生	72/36	2001.09— 2007.07.	亲自授课
	植物科学原著选读	植物学博士	72/36	2002.04— 2007.07	亲自授课
	植物科学研究进展	植物学博士和硕士	72/36	2002.04— 2007.07	亲自授课 主持讲座
其它 教 学 环 节	1 指导 95、97、98、99、00、01、02、03、04、05 级生物学专业学生实习、科研训练和毕业论文 20 余人; 2 指导 95、97、98、99、00、01、02、03、04、05 级生物技术专业学生实习、科研训练和毕业论文 20 余人; 3 指导 97、98、99、00、01、02、03、04、05、06 级植物学专业硕士研究生科研和毕业论文 20 余人, 获硕士学位; 5 指导 02、03、04、05、06 级遗传学专业硕士研究生科研和毕业论文 10 余人; 6 指导 01、02、03、05、06、07、08 级植物学专业博士硕士研究生科研和毕业论文 8 人, 获博士学位 3 人。				

获奖及其它情况

- 1 1997年《横断山区百合科四个属的细胞遗传与进化研究》获“云南省自然科学二等奖”（排名第一）
- 2 1998年获首届“云南省青年科技奖”
- 3 2000年获“云南省五四青年奖章”
- 4 2002年评为云南省学术和技术带头人才
- 5 2003年获“云南省优秀科学论文一等奖”
- 6 2007年所教授《遗传学》评为云南省级精品课程
- 7 2008年获昆明国家高新技术产业开发区“科技创新领军人物奖”

Hong YU

Lab of Ecological Genetics, School of Life Science, Yunnan University.
No. 2 Green Lake Road, Kunming 650091, China.
E-mail: hongyu@ynu.edu.cn or herbfish@163.com

PROFESSIONAL OBJECTIVE

Dr. Hong YU has had a distinguished career in introducing, domesticating, genetic breeding, cultivating medicinal herbs, assaying chemical fingerprint and biological fingerprint, and establishing medicine plant standard of GAP planting. As CEO of Inmol Laboratory of Biotechnology, he had held key leadership positions at Inmol Laboratory for 5 years. He has been a botanical professor at Life Science School of Yunnan University since 1999, and received the Scientific Awards of Yunnan Government in China. In addition, he was a constitutor of medicine plant standardization of *Rhodiola crenulata* in Chinese Pharmacopoeia in 2005. He earned his B. S., M.S. and his Ph.D. in biology from Yunnan University, and then was appointed to Postdoctoral Fellowships at the Laboratory of Systematic and evolutionary Botany, Institute of Botany, Chinese Academy of Sciences. He is author and co-author of more than 70 papers.

EDUCATION

- Post Doctor** Ecogenetics, Laboratory of Systematic and evolutionary Botany,
Institute of Botany, Chinese Academy of Sciences, 1996.9.— 1999.10.
- Ph. D.** Evolutionary ecology, Ecology Institute of Yunnan University, 1996.07.
- M. S.** Cytogenetics, Biology Department of Yunnan University, 1990.07.
- B. S.** Botany, Biology Department of Yunnan University, 1984.07.
- High School** The Second High School of Simao in Yunnan, 1980.07.

WORKING EXPERIENCE

- | | | |
|------------------|--|------------------------|
| 2006-PRESENT | Professor standing committee, School of Life Science, Yunnan University | Director |
| 2008-PRESENT | Institute of Plant Science, Yunnan University | Director |
| 2007-PRESENT | Institute of Herb Biotic Resources, Yunnan University | Director |
| 1999-PRESENT | Biology Department, School of Life Science, Yunnan University | Professor |
| 1999-PRESENT | Laboratory of Ecological genetics, Yunnan University | Director |
| 1999.10.-2005.12 | Inmol Laboratory of Biological Technology in Yunnan | Director. |
| 1997-1999.10 | School of Life Science and Chemistry, Yunnan University | |
| | Vice-Principal | |
| 1996-1999.10 | Laboratory of Systematic and evolutionary Botany, Institute of Botany,
Chinese Academy of Science | Associate
Professor |
| 1990-1996.09 | Biology Department of Yunnan University | Lecturer |
| 1994-1996 | Laboratory of Population Biology of Biology Department,
Yunnan University | Head |
| 1990-1994 | Laboratory of Genetics of Biology Department, Yunnan University | Head |
| 1984-1990 | Ecology Institute of Yunnan University | Assistant |

RESEARCH WORK ON

(a) evolutionary ecology and ecological genetics

- Study on molecular ecology of *Pinus yunnanensis* Franch, *Pinus densata* Mast. and *Pinus kessiya* var. *langbianensis* (A. Chev.) Gaussen. (supported by the Science Foundation of Post Doctor of China, 5567, 1997-1998, 20 thousands yuan, responsible person and supervisor.)
- A Study on pattern of ecogeographical variations at molecular level of *Pinus yunnanensis* Franch. (supported by the National Natural Science Foundation of China, 39500024, 1996-1998, 80 thousands yuan, responsible person and supervisor.)
- Investigate to ecogenetics and evolution of *Pinus yunnanensis* Franch. (supported by the Science Foundation of University System of Yunnan, 2343, 1993-1995, 10 thousands yuan, responsible person and supervisor.)

(b) population biology and conservation biology

- Study on plant evolutionary biology of *Allium* in China. (supported by the National Natural Science Foundation of China, 39670053, 1997-1999, 100 thousands yuan, participant.)
- Study on differentiation and speciation of *Allium* in Hengduan Mountains Region. (supported by the National Natural Science Foundation of China, 39370051, 1994-1996, 60 thousands yuan, participant.)
- Study on biosystematics of Lily group (*Lilium*, *Fritillaria*, *Cardiocrinum*, *Nomocharis* and *Notholirion*) in China. (supported by the National Natural Science Foundation of China, 39170063, 1992-1994, 55 thousands yuan, principal participant and executive person.)
- Study on conservation biology of endangered species *Psammosilene tunicoides* W.C.Wu et C.Y. Wu. (supported by the National Natural Science Foundation of China, 30370156, 2004-2006, 200 thousands yuan, principal responsible person and supervisor.)
- Study on conservation biology of endangered species *Coptis teeta* Wall. (supported by the Natural Science Foundation of Yunnan, 2003C0006M, 2004-2006, 60 thousands yuan, principal responsible person and supervisor.)

(c) genetic breeding of herbal plants

- Study on genetic breeding of *Liliaceae* in China. (supported by the National Natural Science Foundation of Yunnan, 95A6-5, 1997-2000, 660 thousands yuan, principal responsible person and supervisor.)
- Study on genetic resources and development of *Lily* in Yunnan in China. (supported by the National Natural Science Foundation of China, 30160073, 2002-2004, 800 thousands yuan, principal responsible person and supervisor.)
- Study on introduction and genetic breeding of endangered herb *Rhodiola crenulata*. (supported by the National Natural Science Foundation of Yunnan, 2002ZY-18, 2002-2005, 550 thousands yuan, principal responsible person and supervisor.)
- Study on genetic resources and development of Cordyceps in Yunnan. (supported by the National Natural Science Foundation of Yunnan, 2008CC019, 2008-2010, 350 thousands yuan, principal responsible person and supervisor.)

(d) plant cytogenetics and evolutionary biology

- Investigate to chromosomes of *Liliaceae* in Yunnan. (supported by Laboratory of Systematic and evolutionary Botany, Institute of Botany, Chinese Academy of Sciences, 19987 – 1990, 20 thousands yuan, principal executive person and participant.)
- Investigate to origin and evolution of *Allium* in Hengduan Mountains Region. (supported by the Science Foundation of University System of Yunnan, 19988 – 1990, 10 thousands yuan, principal executive person and participant.)

(e) human ecology and ethnoecology

- Investigate to ecogeographical distribution pattern of minority nationality in Yunnan. (supported by the Science Foundation of Yunnan University, 1988 – 1995, 20 thousands yuan, responsible person and supervisor.)

TEACHING EXPERIENCE

1999—Present **Genetics, population genetics and evolutionary biology in School of Life Science,**

Yunnan University.

1990—1996 **Genetics and population genetics in Biology Department of Yunnan University.**

1984—1990 **Plant taxonomy and geobotany in Ecology Institute of Yunnan University.**

OTHER SKILLS

- Experienced in introducing, domesticating, genetic breeding, cultivating medicinal herbs, assaying their chemical fingerprints and biological fingerprints.
- Experienced in establishing medicine plant standard of GAP planting.
- Experienced in gel electrophoresis and allozyme analysis with BIOSIS-1.
- Experienced in RAPD, ISSR, SSR, DALP, AFLP and sequencing analysis.
- Experienced in plant chromosome technology and karyotype analysis.
- Experienced in computer analysis dates of biology population with SAS.
- Working knowledge of high plant taxonomy in Hengduan Mountains Region.
- Experienced in photos of wild plants and microphotos of biology.
- Working knowledge of investigating methods in population ecology and population genetics.
- Knowledgeable in ethnobotany and ethnoecology of minority populations and their culture in Yunnan.

PUBLICATIONS

- (1) **YU Hong**, DENG Yong-jin. Minority Nationalities Distribution on the Terrace in Yunnan [J]. *Nature and Man* (Chinese), 1988, 49 (5): 24-25.
- (2) DANG Cheng-lin, **YU Hong**, LIN Yin. The Study on the Relationship Between Ecological Factors and Biomass of Overstorey Trees in *Pinus yunnanensis* Forest [J]. *Journal of Yunnan University (Natural Sciences)* (Chinese), 1992, 14 (2): 146-151.
- (3) **YU Hong**, PEN Jian. A Study on Biomass of *Pinus Yunnanensis* Young-middle Forest of Nature in Niuda Region, Shiping county, Yunnan [J]. *Journal of Yunnan University (Natural Sciences)* (Chinese), 1993, 15 (2): 164-171.
- (4) **YU Hong**, HUANG Rui-fu. Study on Pollen Morphology and Development of Two Species in *Nomocharis* [J]. *Acta Botanical Yunnanica* (Chinese), 1994, 16 (3):281-284.
- (5) **YU Hong**, HUANG Rui-fu. Studies on the Karyotype and Its Aberration of *Nomocharis forrestii* (Liliaceae)[J]. *Acta Phytotaxonomica Sinica* (Chinese), 1994, 32(4):301-307.
- (6) HUANG Rui-fu, XU Jie-mei, **YU Hong**. A Study on Karyotypes and their Evolutionary Trends in *Allium* sect. *Bromatorrhiza* Ekberg (Liliaceae) [J]. *Catyaya*, 1995, 7: 133-145.
- (7) **YU Hong**, HUANG Rui-fu, WEI Rong-cheng. Study on Karyotypical Diversity in *Lilium davidii*[J]. *Acta Botanical Yunnanica*[J]. *Acta Botanical Yunnanica* (Chinese), 1996, Suppl. VIII: 1-14.
- (8) **YU Hong**, HUANG Rui-fu, ZHENG Shu-song. A Study on Number Variation of Chromosome in *Nomocharis forrestii* Population[J]. *Acta Botanical Yunnanica* (Chinese), 1996, Suppl. VIII: 23-34.
- (9) **YU Hong**, HUANG Rui-fu, YAN Yi-xiang. Study on the Kayotypical Polymorphism of *Nomocharis mairei*[J]. *Acta Botanical Yunnanica* (Chinese), 1996, Suppl. VIII: 35-47.
- (10) **YU Hong**, HUANG Rui-fu, DANG Cheng-lin. A Study on the Polymorphism of Morphological Character of *Nomocharis mairei*[J]. *Acta Botanica Yunnanica* (Chinese), 1996, Suppl. VIII: 48-58.

- (11) **YU Hong**, HUANG Rui-fu, Zang Yu-jie. A Karyotypical Study in *Notholirion* from Yunnan[J]. Acta Botanical Yunnanica (Chinese), 1996, Suppl. VIII: 59-77.
- (12) HUANG Rui-fu, **YU Hong**. Euploidic Variation in Filial Generation of Spontaneous Triploid *Allium tuberosum*[J]. Acta Botanical Yunnanica (Chinese), 1996, Suppl. VIII: 85-90.
- (13) HUANG Rui-fu, DANG Cheng-lin, **YU Hong**. Studies on Karyotypes of Two Species with Basic Chromosome Number Seven[J]. Acta Botanical Yunnanica (Chinese), 1996, Suppl. VIII: 91-97.
- (14) **YU Hong**, DENG Yong-jin. The Relationship Between the Ethnic Minority in Yunnan and the Ecology. The Ideological Front (Yunnan University's Bimonthly Journal of Social Sciences) (Chinese), 1996, 131(5): 90-93.
- (15) **YU Hong**, HUANG Rui-fu. Study on Karyotypical Variation and Differentiation in Populations of *Pinus Yunnanensis* Franch.[J]. Acta Phytotaxonomica Sinica (Chinese), 1998, 36 (3): 222-231.
- (16) **YU Hong**, ZHENG Shu-song, HUANG Rui-fu. Polymorphism of Male Cones in Populations of *Pinus yunnanensis* Franch.[J]. Chinese Biodiversity (Chinese), 1998, 6 (4): 267-271.
- (17) HONG De-yuan, PAN Kai-yu, **YU Hong**. Taxonomy of the *Paeonia delavayi* Complex (Paeoniaceae) [J]. Annals of the Missouri Botanical Garden, 1998, 85: 554-564.
- (18) **YU Hong**, Qian-Wei, HUANG Rui-fu. Allozyme method in Study on Population Genetics of *Pinus yunnanensis* [J]. Acta Botanical Yunnanica (Chinese), 1999, 21(1): 68-80.
- (19) **YU Hong**, ZHANG Wen-yi. Present Situation and Strategies of Revolution of New Agricultural Technology in Yunnan and Reference to Biological Technology Playing an Important Role in the Revolution [J]. Southwest China Journal of Agricultural Sciences (Chinese), 1999, 12 (2): 120-126.
- (20) **YU Hong**, YANG Cai-yun, XU Zheng-rao. Study on Polymorphism of Pollen Morphology in Populations of *Pinus yunnanensis* Franch. [J]. Journal of Yunnan University (Natural Sciences) (Chinese), 1999, 21(2): 86-89.
- (21) **YU Hong**, DAI Bo, MA Shao-bin, DENG Yong-jin. The Cultural Evolution of the Residential Houses of the Ethnic Minorities in Yunnan [J]. The Ideological Front (Yunnan University's Bimonthly Journal of Social Sciences) (Chinese), 1999, 25: 84-88.
- (22) **YU Hong**. *Sinopodophyllum hexandrum* [J]. Plants (Chinese), 1999, 3:6.
- (23) **YU Hong**. A Study on Genetic Diversity of *Nomocharis forrestii* [J]. Plant (Chinese), 1999, 3:20-21.
- (24) **YU Hong**, HONG De-yuan, CHEN Jia-kuan, GU Hong-ya. New Technical Revolution of the Main Industries in Yunnan Province [J]. Science and Technology Review (Chinese), 1999, 130 (4): 45-49.
- (25) **YU Hong**, GE Song, HUANG Rui-fu, JIANG Han-qiao. A Preliminary Study on Genetic Variation and Relationships of *Pinus yunnanensis* and Its Closely related Species [J]. Acta Botanica Sinica (Chinese), 2000, 42 (1): 107-110.
- (26) **YU Hong**, WANG Hong-xia, YOU Dan. Study on Chromosomal Morphology in Populations of *Lilium sargentiae* Wilson [J]. Journal of Yunnan University (Natural Sciences) (Chinese), 2000, 22 (1): 60-67.
- (27) **YU Hong**, GE Song, HONG De-yuan. Allozyme Diversity and Population Genetic Structure of *Pinus densata* Master in Northwestern Yunnan, China [J]. Biochemical Genetics, 2000, 38 (5/6): 139-147.
- (28) ZHAO Yu, LU Wei, HAO Xiao-jiang, CAI Jun-chao, **YU Hong**, Thierry SEVÉNET, Françoise GUÉRITTE. Synthesis of Cytotoxic Sinapyl Alcohol Derivatives from *Ligularia nelumbifolia* [J]. Chinese Chemical Letters, 2002, 13 (3): 201-204.
- (29) ZHAO Yu, WANG Peng, Simon PARSONS, David W. H. RANKIN, Françoise GUÉRITTE, Thierry SEVÉNET,

- YU Hong**, HE Yi-neng, HAO Xiao-jiang. Saluenolida A, A Novel Eremophilanolide from ves from *Senecio saluenensis* [J]. Chinese Chemical Letters, 2002, 13 (4): 333-334.
- (30) ZHAO Yu, WANG Peng, HAO Xiao-jiang, Simon PARSONS, David W. H. RANKIN, SHI Hao, **YU Hong**, Thierry SEVÉNET, Françoise GUÉRITTE. Enantiomeric Sesquiterpene Lactones from *Senecio tsoongianus* [J]. Chinese Chemical Letters, 2002, 13(8): 754-757.
- (31) ZHAO Yu, HAO Xiao-jiang, LU Wei, CAI Jun-chao, **YU Hong**, Thierry SEVÉNET, Françoise GUÉRITTE. Syntheses of Two Cytotoxic Sinapyl Alcohol Derivatives and Isolation of Four New Related Compounds from *Ligularia nelumbifolia* [J]. Journal of Natural Products, 2002, 65 (6): 902-908.
- (32) DAI Bo, GU Hong-Ya, QU Li-jia, **YU Hong***. Studies on Variation of ITS Sequences with Different Ploidy and Its Aneuploid in *Allium tuberosum* [J]. Acta Botanica Yunnanica (Chinese), 2003, 25 (4): 483-490.
- (33) HE Xian-jing, LI Biao, ZHOU Li-jie, **YU Hong***. SAS Study on Morphological Diversity of 5 Lily Species in Yunnan [J]. Heilongjian Agricultural Sciences (Chinese), 2003, (6): 26-28.
- (34) HE Xian-jing, WANG Bing-yi, **YU Hong***. Usage of SAS in Study the Morphological Diversity of *Lilium davidii* Duchartre [J]. Journal of Yunnan University (Natural Sciences) (Chinese), 2003, 25 (Suppl.): 75-77.
- (35) HE Xian-jing, LI Biao, **YU Hong***. The Population Study of *Lilium nepalense* [J]. Journal of Yunnan University (Natural Sciences) (Chinese), 2003, 25 (Suppl.): 78-83.
- (36) JIA Lin, LU Qiao-ling, **YU Hong***. A Study on Genetic Diversity of Zunyi Population and Mouding Population of *Lilium sargentiae* Wilson [J]. Journal of Yunnan University (Natural Sciences) (Chinese), 2003, 25 (Suppl.): 84-90.
- (37) MAO Jun, ZHANG Ming-yu, **YU Hong***. A Study on Genetic Variation of Puer Population *Lilium sargentiae* Wilson [J]. Journal of Yunnan University (Natural Sciences) (Chinese), 2003, 25 (Suppl.): 91-96.
- (38) LI Biao, **YU Hong**, TANG Kun. Study on Karyotypical Variation in Population of *Lilium nepalense* [J]. Journal of Chongqing University of Posts and Telecommunications (Chinese), 2004, 16 (1): 98-102.
- (39) ZHANG Jin-yu, **YU Hong***, ZHANG Shi-gang, DENG-Cheng-xi. Studies on Domestication and Propagation Technology of *Paris polyphylla* var. *yunnanensis* and *Paris polyphylla* var. *chinensis* [J]. Southwest China Journal of Agricultural Sciences (Chinese), 2004, 17 (3): 314-317.
- (40) ZHANG Jin-yu, **YU Hong***, ZHANG Shi-gang, DING Chang-chun. RAPD Variation Within and among Four Populations of *Paris polyphylla* [J]. Biodiversity Science (Chinese), 2004, 12 (5): 517-522.
- (41) ZHANG Shao-Bin, XU Jie-mei, **YU Hong***. Studies on Karyotypes of 10 Populations in *Lilium sulphureum* from Yunnan [J]. Acta Botanica Yunnanica (Chinese), 2004, 26 (4): 413-420.
- (42) CHEN Xiao-lan, **YU Hong***, HUANG Rui-fu, DENG Xin-yan. Studies on Morphological and Chromosome Polymorphism of *Allium mairei* in Kunming Area [J]. Acta Botanica Yunnanica (Chinese), 2004, 26 (5): 529-536.
- (43) DING Chang-chun, **YU Hong***, LIU Fang-yuan. Factors Affecting the Germination of *Paphiopedilum armeniacum* [J]. Acta Botanica Yunnanica (Chinese), 2004, 26 (6): 673-677.
- (44) WANG Hai-ying, **YU Hong***, LI Nan-gao, HE Xian-jing, ZHANG Jin-yu, ZHOU Li-jie. Preliminary Analysis on genetic variation of *Iphigenia indica* by RAPD [J]. Chinese Traditional and Herbal Drugs (Chinese), 2004, 35 (6): 685-688.
- (45) **YU Hong**, HE Rui, NI Nian-chun, ZHANG Shi-gang. Fingerprinting Analysis of Plants of *Dendrobium* Sw. by AFLP [J]. Chinese Traditional and Herbal Drugs (Chinese), 2004, 35 (7): 808-810.
- (46) **YU Hong**, ZHU Rong-xun, LI Yong-yi, HE Yun-feng. RAPD analysis of common medicinal plants of *Rhodiola* L.

- in Yunnan Province [J]. Chinese Traditional and Herbal Drugs (Chinese), 2005, 36 (1): 96-99.
- (47) LI Yong-yi, **YU Hong***, ZHU Rong-xun, HE Rui, NI Nian-chun. Establishment of DALP reaction system for plants of *Rhodiola* L.[J]. Chinese Traditional and Herbal Drugs (Chinese), 2005, 36 (3): 419-423.
- (48) ZHOU Li-jie, LI Nan-gao, **YU Hong***, ZHANG Shi-gang. RAPD Analysis on the Genetic Variation of *Erigeron breviscapus* from Yunnan [J]. Acta Botanica Yunnanica (Chinese), 2005, 27 (1): 59-65.
- (49) WANG Hai-ying, **YU Hong***, LI Nan-gao, HE Rui, ZHANG Ming-yu. DALP Analysis on Genetic Diversity of *Iphigenia indica* in Yunnan [J]. Acta Botanica Yunnanica (Chinese), 2005, 27 (2): 156-162.
- (50) DAI Bo, **YU Hong**. The Significance of Life and Death in Evolution and the Human Philosophy on Life and Death [J]. Journal of Yunnan Nationalities University (Chinese), 2005, 22 (2): 126-131.
- (51) DING Chang-chun, **YU Hong***, LIU Fang-yuan, WEI Xing-qiang. Embryo Culture and Rapid Propagation of *Paphiopedilum armeniacum* [J]. Plant Physiology Communications (Chinese), 2005, 41 (1): 55.
- (52) **YU Hong**, LU Yong-wu, CHEN Zhi-ying. In vitro Rapid Propagation and Bulblet Formation of *Cardiocrinum giganteum* [J]. Plant Physiology Communications (Chinese), 2005, 41 (2): 192.
- (53) YAN Ying-cai, CHENG Zhi-ying, **YU Hong***. Tissue Culture and Rapid Propagation of *Rhodiola* in Yunnan [J]. Plant Physiology Communications (Chinese), 2005, 41 (3): 341.
- (54) WANG Yuan-zhong, TANG Hong-min, **YU Hong***, ZHANG Zhen-fu. Analysis of Main Nutrition Components in *Tricholoma giganteum* Fruitbodies [J]. Acta Edulis Fungi (Chinese), 2005, 12 (2): 24-26.
- (55) WANG Yuan-zhong, TANG Hong-min, **YU Hong***, ZHANG Zhen-fu. Comparison of Nutrient Components Between Wild and Cultured Fruiting Bodies of *Tricholoma giganteum* [J]. Edible Fungi of China (Chinese), 2005, 24 (3): 46-47.
- (56) **YU Hong**, ZHANG Shi-gang. *Epigeneium gaoligongense* (Orchidaceae), a New Species from Yunnan, China [J]. Novon, 2005, 15 (3): 495-497.
- (57) ZHANG Jin-yu, WEN Guo-song, **YU Hong***, DING Chang-chun. Study on Extraction Methods of *Paris* Genomic DNA [J]. Biotechnology (Chinese), 2005, 15 (4): 39-41.
- (58) **YU Hong**, MAO Jun, ZHAI Su-ping, XIONG Li, LI Yong-yi, HE Rui. Study on the Relationship of Nine Varieties of Asian *Lillium* Based on nrDNA ITS [J]. Southwest China Journal of Agricultural Sciences (Chinese), 2005, 18 (4): 387-391.
- (59) **YU Hong**, QU Yang, CHEN Xing-qi. Efficacy of Golden Dendrobium Tablets on Clearing and Smoothing Laryngopharynx [J]. Journal of Yunnan University (Chinese), 2005, 27(5):440-445.
- (60) TANG Hong-min, **YU Hong***. Intermediate Studies on Refolding of Arginine Kinase Denatured by Guanidine hydrochloride [J]. Biochem. Cell Biol., 2005, 83 (2): 109-114.
- (61) GUO Ya-dong, MA Tao, **YU Hong***, YANG Guang-yu, ZHANG Li-juan. Rapid Determination of Salidroside in Hongjingtian by HPLC[J]. Natural Product Research and Development, 2005, 17 (Suppl.): 65-66
- (62) Liang Nan-xi, **YU Hong***, ZHANG Li-juan, Yan Ying-cai. Study on the Determination of Salidroside Using HPLC in Populations of *Rhodiola* species[J]. Natural Product Research and Development, 2006, 18 (Suppl.): 26-29
- (63) Liang Nan-xi, **YU Hong***, ZHANG Li-juan, GUO Ya-dong. Determination of Scutellarin in Individual *Erigeron breviscapua* by TLC [J]. Journal of Yunnan University (Natural Sciences) (Chinese), 2006, 28 (2): 150-152
- (64) TANG Hong-min, Wu Gang, **YU Hong***. Genetic diversity of *Tricholoma giganteum* Masee in Yunnan. [J]. Mycosystema (Chinese), 2007, 26 (1): 128-134

- (65) TANG Hong-Min, YU Hong*, LI Chang-Li, ZHANG Shuo1. Biological characteristics of *Tricholoma giganteum* Masee[J]. Mycosystema (Chinese), 2007, 26 (2): 297-301
- (66) Li Tao, Wang Yuan-zhong, YU Hong*, Cao Yu-juan, Zhang jin-jin, Liu qin. Determination of Eight Trace Elements in the *Swertia davidii* Franch by Flame Atomic Absorption Spectrometry [J]. Spectroscopy and Spectral Analysis, 2007, 27(12): 2598-2600 (IF=0.557)
- (67) ZHANG Ming-yu, YU Hong*, DENG-Cheng-xi, Mao Jun, ZHANG Shi-gang. Leaf epidermic characters of *Dendrobium* (Orchidaceae) and its taxonomic significance [J]. Southwest China Journal of Agricultural Sciences (Chinese), 2007, 20 (4): 716-720
- (68) Yegao Chen, Junju Xu, YU Hong, Chen Qing, Yanli Zhang, Ying Liu, Jihua Wang. 3,7-Dihydroxy-2,4,6-trimethoxyphenanthrene, a new phenanthrene from *Bulbophyllum odoratissimum* [J]. Journal of the Korean Chemical Society, 2007, 51: 325-355
- (69) Yegao Chen, Junju Xu, YU Hong, Chen Qing, Yanli Zhang, Liqin Wang, Ying Liu, Jihua Wang. Cytotoxic phenolics from *Bulbophyllum odoratissimum* [J]. Food Chemistry , 2008, 107: 169-173
- (70) Yun-shu Ma, YU Hong*, Yong-yi Li, 1 Hong Yan, Xin Cheng. A Study on Genetic Structure of *Stephania yunnanensis* H. S. Lo (Menispermaceae) by DALP [J]. Biochemical Genetics, 2008, 46: 224-240
- (71) Yi-jian Chen, Xue-chang Dong, Yun Dai, Qiu-fen Hu, YU Hong*. Determination of trace mercury in Chinese herbal medicine by cold vapour generation-atomic fluorescence spectrometry [J]. Aisan Journal of Chemistry, 2008,20(6): 4639-4646
- (72) Heng-Yu Huang, Yi-Guang Chen, Yong-Xia Wang, Ji-Hui Liu, Shu-Kun Tang, Qian Peng, Meng-Liang Wen, Hong Yu* and Xiao-Long Cui*. *Halomonas sediminis* sp. nov., a new halophilic bacterium isolated from salt-lake sediment in China[J]. Extremophiles, 2008, 12: 829~835

* Corresponding Author