

徐晖

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<http://lxy.nwsuaf.edu.cn/a/xueshuhuodong/jiaoshijieshao/2010/0820/314.html?1320226336>

### 1. 基本信息（包含性别、出生年月、目前职称职务、教育背景、学术兼职等）

徐晖，男，1973年4月生，浙江余姚人，三级教授，博士生导师。宁波大学学士，西北农林科技大学硕士，浙江大学博士、巴黎十一大药物化学博士后。2003年至2004年曾在江苏扬子江药业集团从事药物研发。2005年7月聘为西北农林科大应用化学系副教授、硕士生导师。2008年5月聘为博士生导师，2008年11月破格晋升教授。2011年至今聘为三级教授。2011年5月-10月在巴黎十一大药学院做访问学者。2012年聘为宁波大学客座教授。

2006年入选教育部新世纪优秀人才支持计划，2007年获第三届杨凌十大杰出青年称号，2008年获陕西省青年突击手称号，2009年获陕西省优秀留学回国人员称号，同年及获第十二届中国药学会-施维雅青年药物化学奖。2010年获第九届“陕西青年五四奖章”提名奖，同年及获霍英东教育基金会第十二届高等院校青年教师基金。2011年获陕西省高校优秀共产党员称号。2009年被 ELSEVIER 授予 *Bioorg. Med. Chem. Lett.* “Most Cited Paper 2006-2009 Award”。2005年7月参加工作以来，先后共主持国家自然科学基金面上项目、教育部重点等9项国家及省部级科研项目；以第一(通讯)作者先后在 *Chem. Eur. J.*, *Curr. Med. Chem.*, *Eur. J. Med. Chem.*, *Curr. Pharm. Des.*, *Tetrahedron*, *Bioorg. Med. Chem. Chem. Pharm. Bull.*,

*Bioorg. Med. Chem. Lett.*, *J. Agric. Food Chem.*, *Mini-Rev. Med. Chem.*, *Chem. Biology Drug Des.* 等刊物上全文发表 SCI 论文 50 余篇。担任 SCI 国际期刊 *Mini-Reviews in Organic Chemistry* 的客座编辑 (*Guest editor*) (*Outline: Natural Products as Leads for New Drugs and Pesticides Discovery*, with two subtopics including natural product-based drug discovery, and natural product-based pesticide discovery) 已于 2012 年 5 月出版。担任 *Tetrahedron*, *Bioorg. Med. Chem.*, *Bioorg. Med. Chem. Lett.*, *ACS Combinatorial Science*, *Eur. J. Med. Chem.*, *Lett. Drug Des. Discov.*, *Bull. Korean Chem. Soc.*, *Untrason. Sonochem.*, *J. Pharm. Pharmacol.*, *Chin. J. Chem.*, *Chin. J. Org. Chem.*, *Acta Chimica Sinica*, *Molecular Diversity*, *J. Photochem. Photobiol. B: Biology* 等杂志审稿人。

## 2. 研究方向

- 1)、基于天然生物活性化合物为先导的结构优化及构效研究;
- 2)、具有生物活性杂环化合物的合成和方法学研究;
- 3)、小分子识别研究。

## 3. 开设课程

先后承担本科生《有机化学实验》、《有机合成》、《综合化学实验》、《天然产物化学研究进展》和《有机立体化学》双语课程;为博、硕士研究生讲授《有机合成和设计》和《农药分子设计》。

目前已培养硕士研究生 22 名;在读硕士研究生 9 名,博士研究生 9 名。

4. 近几年以来课题组发表的代表性研究论文情况 (西农第一单位、第一(通讯)作者):

- 1 He Shuzhen, Shao Yonghua, Fan Lingling, Che Zhiping, Xu Hui,\* Zhi Xiaoyan, Wang Juanjuan, Yao Xiaojun,\* Qu Huan, Synthesis and quantitative structure–activity relationship (QSAR) study of novel 4–acyloxy–podophyllotoxin derivatives modified in the A and C rings as insecticidal agents. *Journal of Agricultural & Food Chemistry*, 2013, 61, 618–625.
- 2 Guo Yong, Fan Lingling, Wang Juanjuan, Yang Chun, Qu Huan, Xu Hui,\* Stereoselective synthesis of 4 $\alpha$ –acyloxy–2 $\alpha$  /  $\beta$ –bromopodophyllotoxin derivatives as insecticidal agents. *Tetrahedron*, 2013, 69, 774–781.
- 3 Yan Yuanyuan, Che Zhiping, Yu Xiang, Zhi Xiaoyan, Wang Juanjuan, Xu Hui\*. Fluorescence ‘on–off–on’ chemosensor for sequential recognition of Fe<sup>3+</sup> and Hg<sup>2+</sup> in water based on tetraphenylethylene motif. *Bioorganic & Medicinal Chemistry*, 2013, 21, 508–513.
- 4 Xiao–yan Zhi, Chun Yang, Rui Zhang, Ying Hu, Ya–zhen Ke, Hui Xu\* Natural products–based insecticidal agents 13. Semisynthesis and insecticidal activity of novel phenazine derivatives of 4 $\beta$ –acyloxy–podophyllotoxin modified in the E–ring against *Mythimna separata* Walker in vivo. *Industrial Crops and Products*. 2013, 42, 520–526.
- 5 Dai Huiling, Yan yuanyuan, Guo Yong, Fan Lingling, Che Zhiping, Xu Hui,\*A selective and sensitive “turn–on” fluorescent chemosensor for recognition of Hg<sup>2+</sup> ion in water. *Chemistry–A European Journal*, 2012, 18, 11188–11191.

- 6 Guo Yong, Yan Yuanyuan, Yu Xiang, Wang Yi, Xu Hui,\*  
Synthesis and insecticidal activity of some novel  
fraxinellone-based esters. *Journal of Agricultural & Food  
Chemistry*, 2012, *60*, 7016–7021.
- 7 Ling-ling Fan. Zhi-ping Che. Rui Zhang. Xiang Yu.  
Xiao-yan Zhi. Hui Xu,\* Synthesis of  
benzopyrano[4,3-b](N-arylsulfonyl)indoles and  
benzopyrano[3,4-b](N-arylsulfonyl)indoles via  
intramolecular palladium-catalyzed aryl-aryl coupling  
reaction. *Molecular Diversity*, 2012, *16*, 415–421.
- 8 Yong Guo, Yuan-Yuan Yan, Chun Yang, Xiang Yu, Xiao-Yan  
Zhi, Hui Xu\*. Regioselective synthesis of  
fraxinellone-based hydrazone derivatives as insecticidal  
agents. *Bioorganic & Medicinal Chemistry Letters*, 2012, *22*,  
5384–5387.
- 9 Yi Wang, Yonghua Shao, Yangyang Wang, Lingling Fan, Xiang  
Yu, Xiaoyan Zhi, Chun Yang, Huan Qu, Xiaojun Yao, and Hui Xu\*  
Synthesis and Quantitative Structure–Activity Relationship  
(QSAR) Study of Novel Isoxazoline and Oxime Derivatives of  
Podophyllotoxin as Insecticidal Agents. *Journal of  
Agricultural & Food Chemistry*, 2012, *60*, 8435–8443.
- 10 Xu Hui,\* Wang Qingtian, Guo Yong, Stereoselective  
Synthesis of 4a-Alkyloxy-2-a/b-  
Bromopodophyllotoxin Derivatives as Insecticidal Agents.  
*Chemistry-A European Journal*, 2011, *17*, 8299–8303.

- 11 Xu Hui,\* Fan Ling-ling, Synthesis and antifungal activities of novel 5,6-dihydro-indolo[1,2-a]quinoxaline derivatives. *European Journal of Medicinal Chemistry*, 2011, 46, 364-369.
- 12 Xu Hui,\* Fan Ling-ling, Antifungal agents. Part 4: Synthesis and antifungal activities of novel indole[1,2-c]-1,2,4-benzotriazine derivatives against phytopathogenic fungi in vitro. *European Journal of Medicinal Chemistry*, 2011, 46, 1919-1925.
- 13 Dai Huiling, Xu Hui,\* A water-soluble 1,8-naphthalimide-based 'turn on' fluorescent chemosensor for selective and sensitive recognition of mercury ion in water. *Bioorganic & Medicinal Chemistry Letters*, 2011, 21, 5141-5144.
- 14 Xu Hui,\* Zhang jun-liang, Natural products-based insecticidal agents 9. Design, semisynthesis and insecticidal activity of 28-acyloxy derivatives of toosendanin against Mythimna separata Walker in vivo. *Bioorganic & Medicinal Chemistry Letters*, 2011, 21, 1974-1977.
- 15 Xu Hui,\* Xiao X, Zhao X, Guo Y, Yao XY, Unexpectedly convenient and stereoselective synthesis of 4 $\alpha$ -acyloxy-2-chloropodophyllotoxins in the presence of BF<sub>3</sub>·Et<sub>2</sub>O. *Bioorganic & Medicinal Chemistry Letters*, 2011, 21: 4008-4012.
- 16 Xu Hui,\* Zhang jun-liang, Natural products-based

- insecticidal agents 11. Synthesis and insecticidal activity of novel 4 alpha-arylsulfonyloxybenzyloxy-2 beta-chloropodophyllotoxin derivatives against *Mythimna separata* Walker in vivo. *Bioorganic & Medicinal Chemistry Letters*, 2011, 21, 5177–5180.
- 17 Xu Hui,\* Xiao Xiao, Wang, Qing-Tian, Natural products-based insecticidal agents 7. Semisynthesis and insecticidal activity of novel 4 alpha-alkyloxy-2-chloropodophyllotoxin derivatives against *Mythimna separata* Walker in vivo. *Bioorganic & Medicinal Chemistry Letters*, 2010, 20, 5009–5012.
- 18 Xu Hui,\* Wang Juan-Juan, Natural products-based insecticidal agents 5. Design, semisynthesis and insecticidal activity of novel 4'-substituted benzenesulfonate derivatives of 4-deoxypodophyllotoxin against *Mythimna separata* Walker in vivo. *Bioorganic & Medicinal Chemistry Letters*, 2010, 20, 2500–2502.
- 19 Xu Hui,\* Wang Yang-Yang, Antifungal agents. Part 5: Synthesis and antifungal activities of aminoguanidine derivatives of N-arylsulfonyl-3-acylindoles. *Bioorganic & Medicinal Chemistry Letters*, 2010, 20, 7274–7277.
- 20 Lv Min, Xu Hui,\* Dipyridodiazeponone Analogs as Human Immunodeficiency Virus Type 1-Specific Non-Nucleoside Reverse Transcriptase Inhibitors: An Overview *Current Medicinal Chemistry*, 2010, 17 (18), 1874–1898.

- 21 Xu Hui,\* Zeng Xiwen, Synthesis of diaryl-azo derivatives as potential antifungal agents *Bioorganic & Medicinal Chemistry Letters*, 2010, 20, 4193-4195.
- 22 Xu Hui,\* He Xiaoqiang, Natural products-based insecticidal agents 6. Design, semisynthesis, and insecticidal activity of novel monomethyl phthalate derivatives of podophyllotoxin against *Mythimna separata* Walker in vivo. *Bioorganic & Medicinal Chemistry Letters*, 2010, 20, 4503-4506.
- 23 Ran Jun-Qiang, Huang Ning, Xu Hui,\* Zheng Yong Tang, Anti HIV-1 agents 5: Synthesis and anti-HIV-1 activity of some N-arylsulfonyl-3-acetylindoles in vitro. *Bioorganic & Medicinal Chemistry Letters*, 2010, 20, 3534-3536.
- 24 Xu Hui,\* Lv Min, Tian Xuan, A review on hemisynthesis, biosynthesis, biological activities, mode of action, and structure-activity relationship of podophyllotoxins: 2003-2007. *Current Medicinal Chemistry*, 2009, 16 (3), 327-349.
- 25 Xu Hui,\* Wang Juan-Juan, Sun Hui-Jun, Lv Min, Tian Xuan, Yao Xiao-Jun, Zhang Xing, Semisynthesis and Quantitative Structure-Activity Relationship (QSAR) Study of Novel Aromatic Esters of 4'-Demethyl-4-deoxypodophyllotoxin as Insecticidal Agents. *Journal of Agricultural & Food Chemistry*, 2009, 57(17), 7919-7923.
- 26 Xu Hui,\* Lv Min. Developments of Indoles as Anti-HIV-1

Inhibitors *Curr. Pharm. Des.*, 2009, 15, 2120–2148.

- 27 Xu Hui,\* Xu Hui, Overview of Naphthalimide Analogs as Anticancer Agents *Current Medicinal Chemistry*, 2009, 16 (36), 4797–4813.
28. Xu Hui,\* Xiao Xiao. Natural products-based insecticidal agents 4. Semisynthesis and insecticidal activity of novel esters of 2-chloropodophyllotoxin against *Mythimna separata* Walker in vivo. *Bioorganic & Medicinal Chemistry Letters*, 2009, 19, 5415–5418.

## 5. 联系方式

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