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- 国家杰出青年
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- 科研项目
- 著作论文
- 获奖情况
- 课题组成员

个人经历

教育经历:

南京农业大学化学师资专业, 学士学位 (1978-1982)

南京农业大学土壤化学专业, 硕士学位 (1984-1987)

德国Saarland大学环境研究中心, 博士学位 (1994-1997)

工作经历:

南京大学环境科学与工程系任教, 环境化学实验室主任 (1987-1994)

德国慕尼黑技术大学生态化学与环境分析研究所工作 (1997-1999)

中科院“百人计划”入选者和引进国外杰出人才; 中国科学院南京土壤研究所, 研究员、博士生导师 (1999-)。

科研项目

TOP

课题名称	负责人	课题来源	起止时间
土壤污染的化学过程及其对农产品质量的影响机制	蒋新	国家自然科学基金杰出青年基金项目	2003-2007
农田土壤中POPs的环境行为与生态效应	蒋新	国家科技部973项目子课题	2003-2008
POPs的土壤环境化学行为与农产品质量安全	蒋新	中国科学院海外合作伙伴计划项目课题	2005-2008
土壤中POPs污染机制与作物累积规律	蒋新	国家自然科学基金面上项目	2006-2008
土壤污染与农产品安全的预警机制	蒋新	江苏省自然科学基金重点项目	2006-2008
土壤中POPs的迁移/转化过程及其环境效应	蒋新	国家自然科学基金创新群体项目课题	2007-2012
产地环境污染发生过程与安全评价	蒋新	江苏省土壤污染重点调查项目	2010-2011
土壤中POPs的迁移/转化过程及其环境效应	蒋新	国家自然科学基金创新群体项目子课题	2010-2012
土壤-植物系统中典型POPs的污染过程及其对农产品质量的影响机制	蒋新	国家自然科学基金重点项目	2011-2014
农产品产地环境保障技术政策研究	蒋新	农业部公益性行业专项子课题	2012-2016

著作论文

TOP

专著:

1. Yang XL, Lv ZY, Bian YR, Wang F, Gu CG, Song Y, Jiang X. Predicting PAHs bioavailability for earthworms by mild solvents and Tenax extraction. *Journal of Environmental Chemical Engineering*, 2013, <http://dx.doi.org/10.1016/j.jece>.

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2. Zhang YP, Wang F, Wei HJ, Wu ZG, Zhao QG, Jiang X. Enhanced biodegradation of poorly available polycyclic aromatic hydrocarbons by easily available one. *International Biodeterioration & Biodegradation*, 2013, 84: 72-78
3. Baohua Gu, John Karl BÖklke, Yongrong Bian, Xin Jiang, et al. Application of Selective Ion Exchange for Perchlorate Removal, Recovery, and Environmental Forensics (Chapter 3). USA: CRC Press, 2011
4. X Jiang. Ökotoxikologische Tests zur Bewertung des Gefährdungspotentials kontaminierter Böden, Saarbruecken, Germany, 1997
5. 蒋新, 顾宝华, 等. 土壤环境与生态安全(第六章). 2009. 科学出版社
6. 蒋新, 等. 环境土壤学(第六章). 2005. 科学出版社

代表性论文:

1. Congying Wang, Fang Wang, Qing Hong, Yinping Zhang, Fredrick Orori Kengara, Zengbo Li, Xin Jiang. Isolation and characterization of a toxic metal-tolerant Phenanthrene-degrader *Sphingobium* sp. In a two-liquid-phase partitioning bioreactor (TPPB). *Environmental and Earth Sciences*, 2013, DOI 10.1007/s12665-013-2264-8
2. Ye M, Yang XL, Sun MM, Bian YR, Wang F, Gu CG, Wei HJ, Song Y, Wang L, Jin X, Jiang X. Use of Organic Solvents to Extract Organochlorine Pesticides (OCPs) from Aged Contaminated Soils. *Pedosphere*, 2013, 23(1): 10-19.
3. Wang L, Yang XL, K. Rachel, Wang Y, Tong DL, Ye M, Jiang X. Combined Use of Alkaline Slag and Rapeseed Cake to Ameliorate Soil Acidity in an Acid Tea Garden Soil. *Pedosphere*, 2013, 23(2): 177-184.
4. Ye M, Sun MM, Yang XL, Wei HJ, Song Y, Jiang X. Remediation of organochlorine pesticides (OCPs) contaminated soil by successive hydroxypropyl- β -cyclodextrin and peanut oil enhanced soil washing-nutrient addition: a laboratory evaluation. *Journal of Soils and Sediments*, 2013, 13: 403-412.
5. Jia MY, Wang F, Bian YR, Jin X, Song Y, F.O. Kengara, Xu RK, Jiang X. Effects of pH and metal ions on oxytetracycline sorption to maize-straw-derived biochar. *Bioresource Technology*, 2013, 136: 87-93.
6. Song Y, Wang F, Kengara F.O., Yang XL, Gu CG, Jiang X. Immobilization of Chlorobenzenes in Soil Using Wheat Straw Biochar. *Journal of Agricultural and Food Chemistry*, 2013, 61: 4210-4217
7. Song Y, Wang F, Bian YR, Kengara F O, Jia MY, Xie ZB, Jiang X. Bioavailability assessment of hexachlorobenzene in soil as affected by wheat straw biochar. *Journal of Hazardous Materials*, 2012, 217- 218: 391-397
8. Zhang YP, Wang F, Biana YR, Kengara F O, Gu CG, Zhao QG, Jiang X. Enhanced desorption of humin-bound phenanthrene by attached phenanthrene-degrading bacteria. *Bioresource Technology*, 2012, 123: 92-97
9. Gu CG, Goodarzi M, Yang XL, Bian YR, Sun C, Jiang X. Predictive insight into the relationship between AhR binding property and toxicity of polybrominated diphenyl ethers by PLS-derived QSAR. *Toxicology Letters*, 2012, 208: 269-274.
10. Wang L, Butterfly C R, Yang X L, Wang Y, Herath H M S K, Jiang X. Use of crop residues with alkaline slag to ameliorate soil acidity in an Ultisol. *Soil Use and Management*, 2012, 28: 148-156
11. Song Y, Wang F, Bian Y R, Zhang Y P, Jiang X*. Chlorobenzenes and organochlorinated pesticides in vegetable soils from an industrial site, China. *Journal of Environmental Sciences*, 2012, 4
12. Zhao ZH, Xia LL, Wang F, Jiang X, Gao YZ. Optimization of extractants, purifying packings, and eluents for analytical extraction of organochlorine pesticides in Hydragric Acrisols. *Environmental Monitoring and Assessment*, 2012, 184: 5159-5171
13. Zhang Y P, Wang F, Wang CY, Hong Q, F.O. Kengara, Wang T, Song Y, Jiang X*. Enhanced microbial degradation of humin-bound phenanthrene in a two- liquid-phase system. *Journal of Hazardous Material*, 2011, 186: 1830-1836
14. Zhang Y P, Wang F, Yang XL, Gu CG, F. O. Kengara, Hong Q, Lv ZY, Jiang X*. Extracellular polymeric substances enhanced mass transfer of polycyclic aromatic

- hydrocarbons in the two-liquid-phase system for biodegradation. *Appl Microbiol Biotechnol*, 2011, 90: 1063-1071
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- relationships of polybrominated diphenyl ethers. *Sar and Qsar in Environmental Research*, 2009, 20(3-4): 287-307
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53. Wang F, Bian Y R, Jiang X*. Residual Characteristics of Organochlorine Pesticides in Chinese Lou Soils with Different Fertilization Modes. *Pedosphere*, 2006, 16(2)
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获奖项目

TOP

2011年江苏省333人才工程科技领军人才（二层次）；

2007年国务院政府津贴获得者；

2006年“百千万人才工程”国家级人选；

2006年中国科学院优秀博士生导师（博士生获优博论文）；

2003年国家杰出青年基金获得者；

1999年中国科学院引进国外杰出人才；

1998年入选中国科学院百人计划



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