

## 李秀珍



李秀珍

职称：研究员

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### 学术任职

International Association of Landscape Ecology (IALE), Council Chair ;  
国际景观生态学会中国分会 (IALE-China) 副理事长 ;  
中国自然资源学会湿地资源保护专业委员会副主任委员 ;

编委任职：

- Ecological Engineering
- Chinese Geographical Science
- Journal of Conservation Planning
- 生态学杂志

### 研究方向

景观生态学, 湿地生态学

### 个人简历

工作经历：

2006.12 - 华东师范大学河口海岸学国家重点实验室，研究员；  
2006.3-7：日本广岛大学，客员教授；  
2001.8-2006.11：中国科学院沈阳应用生态研究所，研究员；  
1998.9-2001.7：中国科学院沈阳应用生态研究所，副研究员；  
1997.7-1998.9：中国科学院沈阳应用生态研究所，助理研究员；  
1994.7-1997.7：中国科学院沈阳应用生态研究所，研究实习员

学习经历：

2000.1 荷兰 Wageningen 大学环境科学系，获博士学位；  
1998.1 荷兰 ITC 和 Wageningen 农业大学地理信息与遥感应用系，获硕士学位；  
1994.7 中山大学环境科学系，获硕士学位；  
1991.7 山东师范大学地理系，获学士学位。

## 主要承担项目

### 主持:

2010-2012, 河口海岸学国家重点实验室自主课题, 生物浮床对富营养化水体的净化功能与机理  
2008-2010, 教育部新世纪优秀人才支持计划项目, 长江口湿地生态系统双向演替动态机制  
2008-2010, 教育部科学技术研究重点项目, 长江口不同围垦年限滩涂湿地景观结构与功能分异  
2008-2009, 华东师范大学河口海岸学国家重点实验室科研业务课题, 长江口水质环境演变与调控对策  
2007-2009, 国家自然科学基金, 大兴安岭北坡多年冻土湿地对气候变化的响应  
2003-2005, 国家自然科学基金, 大兴安岭林火迹地植被恢复过程的景观生态学研究  
2001-2003, 国家自然科学基金青年基金, 辽河三角洲区域开发与生态环境保护相协调的空间调控

### 参与:

2010-2014, 国家重点基础研究发展计划(973)项目, 我国典型海岸带系统对气候变化的响应机制及脆弱性评估研究  
2010-2012, 上海市科委科技攻关计划, 九段沙湿地碳汇监测技术体系及碳汇能力评估  
2008-2012, 科技部中荷战略科学联盟计划, 河流-河口系统生态和地貌演变及对人类活动的响应  
2008-2012, 教育部高等学校学科创新引智计划项目, 河口海岸水安全  
2006-2010, 国家重点基础研究发展计划(973)项目, 西南喀斯特山地石漠化与适应性生态系统调控  
2003-2008, 国家重点基础研究发展规划(973)项目, 西部典型区域森林植被对农业生态环境的调控机理  
2004-2007, 国家自然科学基金重点项目, 森林景观与群落对气候变化的多尺度反应  
2002-2005, 国家自然科学基金重点项目, 河西走廊内流区生态安全评价与景观规划预案研究  
1997-2000, 国家自然科学基金重点基金项目, 环渤海湿地资源动态、景观结构与持续发展

## 获奖情况

2009年, 获得“中国生态学会青年科技奖”。  
2008年, 作为《景观生态学》(教材)作者之一, 获中国科学院教学成果二等奖。(排名第二)  
2007年, 入选教育部“新世纪优秀人才计划”。  
2004年, 获得辽宁省直属机关“三八红旗手”荣誉称号。

## 学术论文(著)

### 专(译)著:

Li Xiuzhen, 2000. Purification Function of Wetlands: Spatial modelling and pattern analysis of nutrient reduction in the Liaohe Delta. Wageningen University Press, 123p.  
Li Xiuzhen, 1999. Assessment of Landuse Change Using GIS: A case study in the Llanos de Orinoco. Wageningen University Press, 88p.  
肖笃宁, 李秀珍, 高峻, 张娜, 李团胜, 常禹, 2010. 景观生态学(第二版, 中国科学院研究生教材系列)。北京: 科学出版社。  
Zev Naveh著, 李秀珍, 冷文芳, 解伏菊, 李团胜, 角媛梅译, 2010. 景观与恢复生态学——跨学科的挑战。北京: 高等教育出版社。  
I.S. Zonneveld 著, 李秀珍译, 2003. 地生态学, 北京: 科学出版社。  
肖笃宁, 李秀珍, 高峻, 李团胜, 常禹, 2003. 景观生态学(中国科学院研究生教材系列)。北京: 科学出版社。  
肖笃宁, 胡廷满, 李秀珍, 2001. 环渤海三角洲湿地的景观生态学研究。北京: 科学出版社。  
E.P. Odum, G.W. Barrett著, 陆健健, 王伟, 王天慧, 何文珊, 李秀珍译, 2009. 生态学基础(第五版)。北京: 高等教育出版社。

### 主要论文:

LI Xiuzhen, HE Hong S, WANG Xugao, XIE Fujun, HU Yuanman, LI Yuehui, 2010. Tree planting: How fast can it accelerate post-fire forest restoration? ----A case study in Northern Da Hinggan Mountains, China. Chinese Geographical Science, 20(6): 481-490.  
Xiuzhen Li, Ülo Mander, Zhigang Ma, Yue Jia, 2009. Water quality problems and potential for wetlands as treatment systems in the Yangtze River Delta, China. Wetlands, 29(4): 1125-1132.  
Xiuzhen Li, Ulo Mander, 2009. Future options in landscape ecology: development and research. Progress in Physical Geography, 33(1), 31-48.  
Xiuzhen Li, Zhigang Ma, 2008. Pollution induced water shortage in the Yangtze River Delta: Chances and challenges for wetlands as treatment system. In: Mander U. (ed.), Wetlands and Climate change: New Challenges for wetland research. University of Tartu, Estonia. p13-15.  
Xiuzhen Li, Fujun Xie, Xugao Wang, Fanhua Kong, 2006. Human Intervened Post-fire Forest Restoration in the Northern Great Hing'an Mountains: A review. Landscape and Ecological Engineering, 2006(2): 129-137.  
Xiuzhen Li, Hong S. He, Rencang Bu, Qingchun Wen, Yu Chang, Yuanman Hu, Yuehui Li, 2005. The adequacy of different landscape metrics for various landscape patterns. Pattern Recognition, 38(12): 2626-2638.  
Xiuzhen Li, Rob H.G. Jongman, Yuanman Hu, Rencang Bu, Bert Harms, Arnold K. Bregt and Hong S. He, 2005. Relationship between landscape structure metrics and wetland nutrient retention function: A case study of Liaohe Delta, China. Ecological Indicators, 5(2005): 339-349.  
Xiuzhen Li, Hong S. He, Xugao Wang, Rencang Bu, Yuanman Hu, Yu Chang, 2004. Evaluating the effectiveness of neutral landscape models to represent a real landscape. Landscape and urban planning, 69(1): 137-148.

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Godron M. and Li Xiuzhen\*, 2001. Some questions about landscape modelling. *Journal of Environmental Sciences*.13(4): 459-465.

Guo-Hong Huang, Xiu-Zhen Li\*, Yuan-Man Hu, Yi Shi and Du-Ning Xiao, 2005. Methane (CH<sub>4</sub>) emission from a natural wetland of Northern China. *Journal of Environmental Science and Health –Part A*. 40: 1227-1238.

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Kong Fanhua, Li Xiuzhen\*, Yin Haiwei, 2004. Landscape change on burned blanks in Daxing'an mountains. *Journal of Forestry Research*, 15(1): 33-38.

Kong Fanhua, Li Xiuzhen\*, Zhao Shanlun, Yin Haiwei, 2003. Research advance in forest restoration on the burned blanks. *Journal of Forest Research*, 14(2): 180-184.

Liguang Li, Xingyuan He, Xiuzhen Li\*, Qingchun Wen, Hong S. He, 2007. Depth of edge influence of the agricultural-forest landscape boundary, Southwestern China. *Ecological Research*, 22(5): 774-783.

LI Li-guang, HE Xing-yuan, LI Xiu-zhen, WEN Qing-chun, ZHAO Yong-hua, 2005. Comparison of two approaches for detecting the depth of edge influence on vegetation diversity in the arid valley of southwestern China. *Journal of Forestry Research* 16(2): 105-108.

Song Jinping and Li Xiuzhen, 2002. Arable land increase in northern China: facts and findings. *Journal of geographical science*, 12(1): 108-113.

J. Sun, X. Z. Li\*, X. W. Wang, J. J. Lv, Z. M. Li and Y. M. Hu. 2011. Latitudinal Pattern in Species Diversity and its Response to Global Warming in Permafrost Wetlands in the Great Hing'an Mountains, China. *Russian Journal of Ecology*, 42(2): 123–132.

Ju Sun, Xiu-Zhen Li\*, Xian-Wei Wang, Jiu-Jun Lv, Zong-Mei Li, Yuan-Man Hu, 2010. Latitudinal changes in species diversity of permafrost wetland plant communities in Great Hing'an Mountain valleys of Northeast China. *Acta Ecologica Sinica*, 29(9): 272–277.

Sun Ju, Li Xiuzhen\*, Wang Xianwei, Lv JiuJun, Li Zongmei, 2010. Plant Species Distribution in Permafrost wetlands of the Great Hing'an Mountain valleys and its response to Global Climate Change. *Journal of Earth Science*, 21 (special issue): 266-270.

SUN Yongguang, LI Xiuzhen\*, HE Yanlong, JIA Yue, MA Zhigang, GUO Wenyong, XIN Zaijun. Impact factors on distribution and characteristics of natural plant community in reclamation zones of Changjiang River estuary. *Chinese Geographical Science*. doi: 10.1007/s11769-011-0475-z (Online first)

SUN Yongguang, LI Xiuzhen\*, Ulo Mander, HE Yanlong, JIA Yue, MA Zhigang, GUO Wenyong, XIN Zaijun, 2011. Effect of reclamation time and land use on soil properties in Changjiang river Estuary, China. *Chinese Geographic Science*, 21(4): 403-416.

Wang Ling, Li Xiuzhen\*, Hu Yuanman and Guo Dufa, 2003. Analysis of habitat pattern change of red-crowned cranes in the Liaohe delta using spatial diversity index. *Chinese Geographical Science*, 13(2): 164-170.

Wang Xanli, Li Xiuzhen and Xiao Duning, 2000. Spatial pattern and function of corridors in wetlands of Liaohe Delta. *Chinese Geographical Science*, 10(2): 177-181.

Xianwei Wang, Xiuzhen Li\*, Yuanman Hu, JiuJun Lü, Ju Sun, Zongmei Li, Hong Shi He, 2010. Potential carbon mineralization of permafrost peatlands in Great Hing'an Mountains, China. *Wetlands*, 30(4): 747-756.

Xianwei Wang, Xiuzhen Li\*, Yuanman Hu, JiuJun Lv, Ju Sun, Zongmei Li, Zhifeng Wu, 2010. Effect of temperature and moisture on soil organic carbon mineralization of predominantly permafrost peatland in the Great Hing'an Mountains, Northeastern China. *Journal of Environmental Sciences*, 22(7): 1057-1066.

Xugao Wang, Hong S. He, Xiuzhen Li, 2007. The long-term effects of fire suppression and reforestation on a forest landscape in Northeastern China. *Landscape and Urban Planning*, 79 (1): 84-85.

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Wang Xu-gao, Li Xiuzhen\*, He Hong S., Hu Yuanman, 2004. Ecological restoration: our hope for the future? *Chinese Geographical Science*, 14 (4): 361-367.

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- Xiao Duning, Li Xiuzhen, et al, 1996. Protection of the Littoral Wetland in Northern China: Ecological and Environmental Characteristics, *AMBIO*, Vol.25(1), 1996, pp2-5.
- Xiao Du-ning, Wang Xian-li, Li Xiu-zhen, Pei Tie-fan and Zhao Yi, 2003. Hydrological adjustment and flooding control of wetlands in the Liaohe Delta. *Journal of Environmental Sciences*, 15(2), p146-151.
- XIE F.-J., LI X.-Z, WANG X.-G., XIAO D.-N., 2007. Post-fire forest restoration indicated by canopy density in the Northern Great Hing'an Mountains. In: Hong S.-K., Nakagoshi N., Fu B.-J., Morimoto Y. (eds.), *Landscape ecological applications in man-influenced areas: Linking man and nature systems*. Dordrecht, the Netherlands: Springer. 359-374.
- XIE Fu-ju, XIAO Du-ning, LI Xiu-zhen\*, WANG Xu-gao, SHI Bao-dong, 2005. Factorial analysis on forest canopy density restoration in the burned area of northern Great Xing'an Mountains, China. *Journal of Forestry Research*, 16(2): 125-131.
- Meng Yang, Xiuzhen Li\*, Yuanman Hu, Xingyuan He, 2011. Assessing effects of landscape pattern on sediment yield using sediment delivery distributed model and a landscape indicator. *Ecological Indicators*, DOI: 10.1016/j.ecolind.2011.08.023.
- Yin Hai-wei, Kong Fan-hua, Li Xiu-zhen\*, 2004. RS and GIS – Based forest fire risk zone mapping in Da Hinggan Mountains. *Chinese Geographical Science*, 14(3): 251-257.

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