

Fangli Su

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EDUCATION

Ph.D. in Soil Science

Shenyang Agricultural University Shenyang, China July 2003

Dissertation: *Studies on Different Forests-treatment Effect to Soil Characters and Its Ecological Course in East Liaoning Province*

B.S. in Forests cultivation

Shenyang Agricultural University Shenyang, China July 2003

RESEARCH AND PROFESSIONAL EXPERIENCE

Associate Professor and Academic Leader Institute of Water Conservation and Management, Shenyang Agricultural University 2002-Present

PUBLICATIONS

Mnograph

Fangli Su. Researches on different managing methods on the effects of soil characteristics and process in Liaodong region. The Yellow River Water Conservancy Press, 2011 First edition.

Patents

A method of biological check dam for erosion gully management and construction. Application Number, 201310272736,X

The stone cage check dam for mountain erosion gully governance. Application Number, 201310272769.4

The equipment for development and construction projects of soil loss measurement equipment. Application Number, 201210238036.4; Patent Number, ZL 2012 2 0332261.X

Refereed Publications

Fangli Su, aifu Li, Xin Zhou. Transfer of Heavy Metals in Wetland Ecosystem Enrichment. *Fresenius Environmental Bulletin*, 2013,22(10):2803-2808

Fangli Su, Haifu Li, tieliang Wang. Simulation of ecological floating island fixation methods under different flow velocity. *Applied Mechanics and Materials*, 2012,220-223 :1665-1669

Fangli Su, Shengyu SHI, Haifu LI. Experiment of artificial floating island displacement pile fixation. *Applied Mechanics and Materials*.2012,220-223 :1670-1674

Fangli Su, Xin Zhou, Yu Li .Purification of some heavy metals from paper-making wastewater by reed of Shuangtai estuary wetland. *Procedia Environmental Sciences*.2011, 10(C):1961-1966.

Fangli Su, Zhou Xin ,Tieliang Wang.Effects of Paper Making Wastewater on Soil Nitrate Nitrogen in Different Growth Period of Reed. *World Automatic Congress Proceedings*,2011

Fangli Su, Tieliang Wang, Xin Zhou .Purification of Pb in papermaking wastewater by reed wetland ecosystem. *Chinese Environmental Science*.2011, 31(5)768-773

Fangli Su, Jia Lu, Tieliang Wang. The purification research on reed wetland ecosystem in the process of papermaking wastewater. *Journal of soil and water conservation*.2012,26(5):114-117

- Fangli Su**, Haoming Fan, Xiaoqi An. Research on Spoil from Construction Projects of Brown Earth in Liaoning. *Journal of soil and water conservation*. 2011, 25(2): 63-66
- Fangli Su**, Haifu Li, Xi Chen. Effect of Salt Stress on the Ultrastructure of Reed Cell. *Acta*. 2011, 31(11): 2216-2221
- Fangli Su**, Juan Wang, Chengjiu Guo. Dynamic Changes of Soil Microbe Quantity in Estuary Reed Wetland. *Journal of Shenyang Agricultural University*. 2012, 43(3): 370-373
- Fangli Su**, Tieliang Wang. Simulation of ecological floating island's stability under different waves. *Journal of Environmental Engineering*. 2012, 11(6): 3878-3881
- Fangli Su**, Shengyu Shi, Haifu Li. Fixation experiment on ecological floating island of sinking pendant in river. *Chinese science of soil and water conservation*. 2012, 10(4): 100-103
- Fangli Su**, Xiaoyu Zhang, Tieliang Wang. The Response Mechanism of Groundwater Depth and Reed Growth. *Journal of irrigation and drainage*. 2010, 29(6): 129-132
- Fangli Su**, Lin Li, Tieliang Wang. Effects of the Liao River Wetland on Removal Nitrogen. *Journal of irrigation and drainage*. 2012, 31(2): 137-139
- Fangli Su**, Yang Wang, Tieliang Wang. Effect of Nitrogen-rich Irrigation on Microorganism in Reed-wetland. *Journal of Northwest Forestry College*. 2010, 25(6): 126-129
- Fangli Su**, Tieliang Wang, Zheng Wang, Shuang Zhang. Effects of Different Treatments of NaCl Consistence on the Physiological Characteristics of *Phragmites australis* and *Typha latifolia*. *Journal of Yunnan Agricultural University*. 2009, (24)2: 302-306

FUNDED AND PENDING RESEARCH

- Research of Mechanism and vegetation restoration in Liaohe river basin, ¥850000, The National Natural Science Foundation of China, lead researcher
- Research on the influence of papermaking waste water of Liaohe delta wetland ecosystem and ecological restoration research, ¥280000, funded by The National Natural Science Foundation of China
- Research on sewage purification of the sea and nitrogen removal mechanism of Liaohe delta, ¥30000, Chinese Postdoctoral Science Foundation, lead researcher
- Research on purifying the sea water plant rhizosphere effect in Shuangtai Estuary, ¥60000, The Education Department of Liaoning Province, lead researcher
- Research on petrification and utilization of papermaking wastewater in Shuangtai Estuary, ¥50000, Science and Technology Department of Liaoning Province, lead researcher
- Research on salinization wetland ecological restoration by papermaking wastewater in Shuangtai Estuary, ¥20000, The Education Department of Liaoning Province, lead researcher
- “Tian Zhu Mountain Top-notch Talent Project” Support Plan, ¥200000, Shenyang Agricultural University, lead researcher
- Research on soil and water conservation measures system of important drinking water sources protection zones, ¥100000, The Ministry of water resources water conservancy and hydropower planning and Design Institute, lead researcher
- Research on ecological security evaluation of the water source of Da Huofang reservoir, ¥120000, The water resources department of Liaoning Province, lead researcher
- Research on ecological management measures and key technology research in Liaohe Shi Fosi plain reservoir, ¥220000, Liaoning Province Shi Fosi Reservoir Management Bureau, lead researcher

The completion inspection and acceptance of soil and water conservation materials preparation of Shen Mei

Group Long Meng environmental protection new materials, ¥ 678700, LTD, lead researcher

TEACHING AND MENTORSHIP ACTIVITIES

Teaching undergraduate and graduate students 3 courses

Master Tutor: guiding 18 masters. 2009- present

Doctor Tutor:, guiding 1 doctor. 2013.7- present

HONORS AND AWARDS

“Research and Application in Water and Soil Erosion Rules and Controlling Technology in Eastern Mountain Areas of Liaoning Province”, the third prize with the certificate number 2013J-3-12-01 awarded by Liaoning Science and Technology Award Commission, 2013.12

“The research and application of ecological and clean small-watersheds construction technology system in Liaoning Province”, the third prize ,awarded by Liaoning Science and Technology Award Commission, 2013.12

“The research and application of Soil and Water Conservation comprehensive management models in Eastern Mountain area of Liaoning”, the first prize , awarded by Liaoning Awards Committee of Forestry Science and Technology, 2013.09.10

“Purification of some heavy metals from paper-making wastewater by reed of shuangtai estuary wetland”, the second prize, awarded by Review Committee of Liaoning Natural Science Academic Achievement Award, 2012.06.30

“The research on development and construction of soil and water loss and ecological restoration of magnesite in coastal area”, the first prize , awarded by Review Committee of Liaoning provincial department of land resources science and technology achievement Award, 2007.12.30

“ The research of gully erosion control in Liaoning Province”, the third prize , awarded by Liaoning Science and Technology Award Commission, 2009.12

“The research on the effect of natural secondary forest tending thinning ”, the second prize ,awarded by Review Committee of Liaoning Natural Science Academic Achievement Award, 2008.07.07

SERVICE AND PROFESSIONAL AFFILIATIONS

Director in Chinese Society of Soil and Water Conservation

In “Liaoning Talents” Support Plan