

# INTERNATIONAL SOIL AND WATER CONSERVATION RESEARCH

ISSN 2095-6339

CN 10-1107/P

(国际水土保持研究) Vol. 1, No. 2, Sept. 2013

---



- *INTERNATIONAL RESEARCH AND TRAINING CENTER  
ON EROSION AND SEDIMENTATION*  
(Secretariat of World Association of Soil and Water Conservation)
- *CHINA WATER & POWER PRESS*



ISSN 2095-6339



9 772095 633135

0 1>



## INTERNATIONAL RESEARCH AND TRAINING CENTER ON EROSION AND SEDIMENTATION (IRTCES)

---

The International Research and Training Center on Erosion and Sedimentation (IRTCES) was jointly set up by the Government of China and UNESCO on July 21, 1984. It aims at the promotion of international exchange of knowledge and cooperation in the studies of erosion and sedimentation. IRTCES provides technical services in sediment information exchange, training of sediment engineers and consultation on sediment management, erosion control and environmental and ecological protection of watersheds.

---

Website: [www.irtces.org](http://www.irtces.org)

Address: 20 Chegongzhuang Road West, P.O. 366, Beijing 100048, China

Tel: +86 10 6878 6413

Email: [liuxy@iwhr.com](mailto:liuxy@iwhr.com)



## WORLD ASSOCIATION OF SOIL AND WATER CONSERVATION (WASWAC)

---

The World Association of Soil and Water Conservation (WASWAC), an independent worldwide academic society, inaugurated in August 1983, is a non-governmental, non-profit organization. The mission of WASWAC is to promote the wise use of management practices that will improve and safeguard the quality of land and water resources so that they continue to meet the needs of agriculture, society and nature. The International Soil and Water Conservation Research is the official journal of WASWAC from 2013.

---

Website: [www.waswac.org](http://www.waswac.org)

Address: 20 Chegongzhuang Road West, P.O. 366, Beijing 100048, China

Tel: +86 10 6878 6579

Email: [iswcr@foxmail.com](mailto:iswcr@foxmail.com); [waswac@foxmail.com](mailto:waswac@foxmail.com)



## CHINA WATER & POWER PRESS(CWPP)

---

Founded in 1956, China Water & Power Press (CWPP), affiliated to the Ministry of Water Resources of China's central government, takes leadership of science and technology publishing in China. As the most influential water & power professional publisher in China, CWPP commits itself to "facilitate the development of water and power industries, disseminate science and technology, and promote arts and culture". With publishing water professional books as its most important mission, CWPP publishes 1000 professional and educational publications on water each year.

---

Website: [www.waterpub.com.cn](http://www.waterpub.com.cn)

Address: Flat 9, Suite D, 1 South Yuyuantan Road, Haidian District, Beijing 100038, China

Tel: +86 10 6854 5969

E-mail: [xlj@waterpub.com.cn](mailto:xlj@waterpub.com.cn)

# INTERNATIONAL SOIL AND WATER CONSERVATION RESEARCH

Volume 1

Number 2

September 2013

---

The development of U. S. soil erosion prediction and modeling <i>John M. Laflen and Dennis C. Flanagan</i> .....	1–11
The national census for soil erosion and dynamic analysis in China <i>Liu Zhen</i> .....	12–18
Temporal variations in runoff and soil loss in relation to soil conservation practices in catchments in Shiwaliks of lower Himalayas <i>S. S. Kukal and S. S. Bawa</i> .....	19–25
The history and assessment of effectiveness of soil erosion control measures deployed in Russia <i>Valentin Golosov and Vladimir Belyaev</i> .....	26–35
Making rainfed agriculture sustainable through environmental friendly technologies in Pakistan: A review <i>Mirza B. Baig, Shabbir A. Shahid, and Gary S. Straquadine</i> .....	36–52
The effect of reforestation on stream flow in Upper Nan river basin using Soil and Water Assessment Tool (SWAT) model <i>Winai Wangpimool, Kobkiat Pongput, Chinnapat Sukvibool, Samran Sombatpanit, and Philip W. Gassman</i> .....	53–63
Comparison of the effects of the different methods for computing the slope length factor at a watershed scale <i>Fu Suhua, Wu Zhiping, Liu Baoyuan, and Cao Longxi</i> .....	64–71
Assessment of soil loss and nutrient depletion due to cassava harvesting: A case study from low input traditional agriculture <i>R. Sumithra, Thushyanthy, M. and T. Srivaratharasan</i> .....	72–79
Effects of land use and management on aggregate stability and hydraulic conductivity of soils within River Njoro Watershed in Kenya <i>Zachary G. Mainuri and James O. Owino</i> .....	80–87
Cover photo: Beautiful Scenery of Gaopo Township, Huaxi District, Guiyang City, Guizhou Province	