



(月刊)

中国水土保持

ZHONGGUO SHUI TU BAOCHI

2026年第1期

(总第526期)

1月5日在郑州出版

1980年创刊

主管 中华人民共和国水利部
主办 水利部黄河水利委员会

全国水利系统优秀科技期刊

全国优秀农业期刊

河南省自然科学一级期刊

中国学术期刊综合评价来源期刊

中国核心期刊(遴选)数据库收录期刊

EBSCO 学术数据库收录期刊

JST(日)收录期刊

CACJ 中国应用型入库期刊

知网、万方、维普、超星等数据库全文收录

编辑委员会

主 任 祖雷鸣

副 主 任 莫 沫 马永来 胡甲均

常务委员(以姓氏笔画为序)

王玉杰 朱小勇 乔殿新

肖昌虎 沈雪建 张文聪

张续军 陈 琴 陈冬奕

尚润阳 赵瑞娟 胡续礼

郜国明 徐清华 臧贵敏

委 员(以姓氏笔画为序)

于孟波 马志华 马德仁

王 成 王 政 王 镇

王亚红 方建瑞 冯 浩

司环宇 朱后坤 刘纪根

许晓鸿 孙发政 李文运

李旭春 肖培青 吴伟峰

汪海军 张 娴 张利超

张晓晨 陈 涛 易兴涛

郑 凤 孟凡荣 赵立东

姜德文 袁爱萍 党维勤

高士军 姬跃红 黄华爱

曹文洪 曹泽红 常 红

崔建国 葛 瑛 提包次仁

熊 奎 黎 明

目 次

□新时代水土保持□

我国水土保持信息化发展展望

..... 张文聪(1)

《生产建设项目水土保持设施验收技术规程》解读

..... 孟繁斌,易仲强,王治国(5)

贵州省水土保持生态产品价值实现研究

..... 杨胜权,丁 禹(10)

□水保强监管□

南宁市水土保持分类监管体系构建 陈炫宇,黄 悦,罗丽丹(15)

□新探索新实践□

广东省开发区概况及水土流失特征

..... 刘海富,陈 宇,孔蕴丽,等(18)

水土保持与县域善治:黄土高原沟壑区的治理范式与创新实践

..... 张西宁,郭文遥,曹 丹,等(22)

河北省《公路水土保持工程技术规范》制定的探索和研究

..... 刘凤婵,绳莉丽,王 洁,等(25)

新时期淤地坝建设中工程质量存在的问题及建议

..... 党维勤,刘立峰,胡大鹏,等(29)

司法协同视角下黄河流域水土保持碳汇赔偿案的实践与启示

..... 刘东皓,章宝宁,王博雅(32)

□试验与研究□

干热河谷结果林产流产沙对整地方式及坡长的响应

..... 杨淦舟,余建琳,宋子波,等(37)

2018—2023年神木市土壤侵蚀变化研究

..... 朱 凡,杜 雪(42)

成都市生态保护红线保护成效评估

..... 刘雅雅,李欣欣,吴亚贤,等(46)

格网尺度下陕西省土地利用碳排放时空特征及其影响因素

..... 张明辉,李 鹏,许焱涛(50)

黄河流域作物种植区耕作层土壤综合肥力研究

..... 张新平,张芳芳,岳海英,等(56)

西北地区4种人工林叶片和土壤养分含量的变化特征研究

..... 白 娜,詹 惠,安乐平(61)

吉林西部内陆盐碱湿地消落带植被种间关系研究

..... 张 瑜,徐子棋,孙 玥,等(66)

黄土丘陵沟壑区梯田演变特征及驱动力分析

..... 张小苗(72)



(月刊)

中国水土保持

ZHONGGUO SHUI TU BAOCHI

2026 年第 1 期

(总第 526 期)

1 月 5 日在郑州出版

1980 年创刊

主任(主编) 翟成亮(0371-66022338)

副 主 任 孙占锋(0371-66020720)
(副主编)

责任编辑 徐素霞 李杨杨 张绪兰
李佳星 杨傲秋 赵小娜

美术编辑 李晓辉

发行主管 闫 耕(0371-66022619)
QQ:838347450

编辑出版 《中国水土保持》编辑部

地 址 河南省郑州市金水路 11 号

邮 政 编 码 450003

编 辑 部 0371-66028761
66022610

稿件查询 0371-66022338

投稿网址 www.swcczz.cn

电子信箱 swcc2000@vip.sina.com

印 刷 河南瑞之光印刷股份有限公司

国内发行 《中国水土保持》编辑部

国外发行 中国国际图书贸易集团有限公司(北京 399 信箱)

定 价 15.00 元

中国标准连 ISSN 1000-0941
续出版物号 CN 41-1144/TV

本刊声明

本刊已入编中国学术期刊(光盘版)、万方数据-数字化期群和中国核心期刊(遴选)数据库等电子出版物,作者著作权使用费与本刊稿酬一次性给付,作者如有异议,可在来稿时注明或来函说明。

□新思考新探讨□

黄土高原沟壑区侵蚀沟治理重要原则“多蓄少排”探讨
..... 马志孝,尤亚森,许茹玉,等(75)

基于案例分析的水土保持碳汇交易发展研究
..... 王 晶,常恩浩,张 帆,等(78)

聚力提质增效 深化改革创新 护航甘肃“十五五”水土保持工作高起点
开局 杨万会(83)

□县域水保□

资阳市雁江区坡耕地水土流失综合治理实践与思考
..... 秦田兵,王 刚,蒋 芳(86)

□小流域治理□

鄂尔多斯市准格尔旗露天煤矿排土场植被重建对策
..... 苏光瑞,赵方莹,付 强,等(90)

青藏高原东缘生态旅游型生态清洁小流域建设
..... 张浩哲,贾彦飞,吕发友,等(97)

吉林省生态清洁小流域治理措施体系探索
..... 田立生,李 爽,秦晶涛,等(102)

基于 GIS 的珠海市生态敏感性分析

..... 娄富豪(106)

□生产建设项目防与治□

新疆某住宅小区建设项目水土流失分析与水土保持措施效益评价
..... 周学磊(110)

□建设项目防与治□

广东能源葵潭农场光伏电站接入系统项目水土保持措施体系探讨
..... 王为旂楠(112)

□服务窗口□

本刊宣传协作网(116)·2025 年度本刊发行前 10 名(116)·征订单(118)

□四封□

封一 瑞雪兆丰年(黑河临泽段) 李 明 供稿

封二 水利部:“十四五”时期我国新增水土流失治理面积超 34 万 km²,水土保持率提升至 73% 以上 本刊综合报道

封三 以“碳汇”破题 解锁县域治理发展新路径——西峰治理监督局案例成功入选 2025 年“县域治理创新优秀案例” 王一涵 供稿

封四 智慧水土保持产品推介 广告

彩插 山西省水土保持实践的创新探索——以奖代补激励、科技小院支撑与人才体系保障的协同推进 高文君 王柳丹 供稿

SOIL AND WATER CONSERVATION IN CHINA



No. 1 (Total 526)

Jan. 5, 2026

Main Contents

Prospects for the Informatization Development of Soil and Water Conservation in China	ZHANG Wencong(1)
Interpretation of <i>Technical Specifications for Acceptance of Soil and Water Conservation Facilities in Production and Construction Projects</i>	MENG Fanbin, YI Zhongqiang, WANG Zhiguo(5)
Research on the Realization of the Value of Ecological Products of Soil and Water Conservation in Guizhou Province	YANG Shengquan, DING Yu(10)
Construction of Classified Supervision and Management System of Soil and Water Conservation in Nanning City	CHEN Xuanyu, HUANG Yue, LUO Lidan(15)
General Situation and Characteristics of Soil Erosion and Water Loss of Development Zones in Guangdong Province	LIU Haifu, CHEN Yu, KONG Yunli, et al. (18)
Soil and Water Conservation and Good County-Level Management: Demonstration Management Modes and Innovative Practices in the Gully Region of the Loess Plateau	ZHANG Xining, GUO Wenyao, CAO Dan, et al. (22)
Exploration and Research on the Preparation of <i>Technical Specifications for Soil and Water Conservation Engineering of the Highway Projects</i> in Hebei Province	LIU Fengchan, SHENG Lili, WANG Jie, et al. (25)
Problems and Suggestions of Engineering Quality in the Check Dams for Farmland Forming Construction in the New Era	DANG Weiqin, LIU Lifeng, HU Dapeng, et al. (29)
Practices and Insights from Soil and Water Conservation Carbon Sink Compensation Cases in the Yellow River Basin from the Judicial Collaboration Perspective	LIU Donghao, ZHANG Baoning, WANG Boya(32)
Response of Runoff and Sediment Yield from Land Preparation Methods and Slope Length of Fruit Forests in Dry-Hot Valleys	YANG Haozhou, YU Jianlin, SONG Zibo, et al. (37)
Research on Soil Erosion Changes in Shenmu City from 2018 to 2023	ZHU Fan, DU Xue(42)
Evaluation of the Conservation Effectiveness of Ecological Protection Red Line in Chengdu City	LIU Yaya, LI Xinxin, WU Yaxian, et al. (46)
Spatio-Temporal Characteristics and Influencing Factors of Land Use Carbon Emissions in Shaanxi Province at Grid Scale	ZHANG Minghui, LI Peng, XU Yaotao(50)
Research on Comprehensive Soil Fertility of the Cultivation Layer in Crop Planting Areas of the Yellow River Basin	ZHANG Xinpeng, ZHANG Fangfang, YUE Haiying, et al. (56)
Research on Variation Characteristics of Nutrient Content of Leaf and Soil in Four Types of Artificial Forests in Northwest China	BAI Na, ZHAN Hui, AN Leping(61)

SOIL AND WATER CONSERVATION IN CHINA



No. 1 (Total 526)

Jan. 5, 2026

-
- Study on Interspecific Relationships of Vegetation in the Hydro-Fluctuation Belt of Inland Saline-Alkaline Wetlands in Western Jilin ZHANG Yu, XU Ziqi, SUN Yue, et al. (66)
- Analysis of Evolution Characteristics and Driving Forces of Terraced Fields in the Loess Hilly and Gully Region ZHANG Xiaomiao (72)
- Discussion on the Key Principle of Store More and Drain Less for Erosion Gullies Control in the Gully Region of the Loess Plateau MA Zhixiao, YOU Yasen, XU Ruyun, et al. (75)
- Study on Development of Soil and Water Conservation Carbon Sink Trading Based on Case Analysis WANG Jing, CHANG Enhao, ZHANG Fan, et al. (78)
- Gathering Strength for Quality and Efficiency Improvement, Deepening Reform and Innovation to Achieve a High-Level Beginning of Soil and Water Conservation Work in Gansu's 15th Five-Year Plan YANG Wanhui (83)
- Practices and Thoughts on Comprehensive Controlling of Soil Erosion and Water Loss of Sloping Farmland in Yanjiang District of Ziyang City QIN Tianbing, WANG Gang, JIANG Fang (86)
- Vegetation Reconstruction Strategies for Open-Pit Coal Mine Dump Sites in Jungar Banner of Ordos City SU Guangrui, ZHAO Fangying, FU Qiang, et al. (90)
- The Construction of Ecological and Clean Small Watersheds for Eco-tourism on the Eastern Edge of the Qinghai-Tibet Plateau ZHANG Haozhe, JIA Yanfei, LYU Fayou, et al. (97)
- Exploration of the Management Measures System for Ecological and Clean Small Watersheds in Jilin Province TIAN Lisheng, LI Shuang, QIN Jingtao, et al. (102)
- Analysis on Ecological Sensitivity of Zhuhai City Based on GIS LOU Fuhao (106)
- Analysis on Soil Erosion and Water Loss and Benefit Evaluation of Soil and Water Conservation Measures for a Residential Construction Project in Xinjiang ZHOU Xuelei (110)
- Discussion on the Soil and Water Conservation Measures System for the Assess System Project of Guangdong Energy Kuitan Farm Photovoltaic Power Station WANG Weiyinan (112)

First Issue 1980 **Publishing Cycle** Monthly

Competent Department

The Ministry of Water Resources of P. R. C.

Sponsor

The Yellow River Conservancy Commission of MWR

Editor and Publisher

Editorial Board of "Soil and Water Conservation in China" (No. 11 Jinshui Road, Zhengzhou, Henan

450003, China)

Editor-in-Chief ZHAI Xuliang

Associate Editor SUN Zhanfeng

E-mail swcc2000@vip.sina.com

URL <http://www.swccz.cn>

Overseas Distributor

China International Book Trading Corporation
(P. O. Box 399, Beijing, China)

SOIL AND WATER CONSERVATION IN CHINA

No. 1 (Total 526) 2026

Abstracts

Prospects for the Informatization Development of Soil and Water Conservation in China ZHANG Wencong
(Monitoring Center for Soil and Water Conservation, Ministry of Water Resources, Beijing 100055, China) (1)

Deepening the informatization construction of soil and water conservation is a crucial measure for promoting high-quality development of soil and water conservation in the new era. Based on practical experiences in the development of soil and water conservation informatization in China, this paper systematically summarized the achievements in the application of monitoring technologies, supervision and management efficiency, and governance effectiveness. It further analyzed current issues and challenges, including technical, institutional, and talent shortages. Considering policy directions and technological trends, the paper proposed future development pathways and suggestions, including strengthening technological innovation, enhancing talent team building, promoting data sharing, and increasing public participation.

Key Words: soil and water conservation informatization; monitoring system; supervision and management model; governance process; technology application

Interpretation of Technical Specifications for Acceptance of Soil and Water Conservation Facilities in Production and Construction Projects MENG Fanbin, YI Zhongqiang, WANG Zhiguo
(General Institute of Water Conservancy and Hydropower Planning and Design, Ministry of Water Resources, Beijing 100120, China) (5)

Technical Specifications for Acceptance of Soil and Water Conservation Facilities in Production and Construction Projects (GB/T 22490–2025) (hereinafter referred to as the new specification) was approved and released through Announcement No. 24 of 2025 by the State Administration for Market Regulation (National Standardization Administration), and will be officially implemented on February 1, 2026. To provide a reference for relevant practitioners to better understand the requirements of the new specification, the paper interpreted the new specification from the revision background and necessity, revision principles, revision methods and process, main characteristics, and the main revised contents. This revision is based on the fundamental principle of implementing the overall national requirements for administrative approval reform, with the basic thinking of realizing the requirements of a closed-loop management system throughout the entire acceptance work process for soil and water conservation facilities. Based on relevant regulations of current policies and systems, the revision focuses on strengthening the primary responsibility of construction units for acceptance work and their preparatory work for acceptance, emphasizes the importance and timeliness of foundational acceptance work for component projects and unit projects, highlights key aspects and strict requirements related to acceptance by third-party institutions, and addresses some practical problems and difficulties in the acceptance of soil and water conservation facilities. Furthermore, the paper proposed suggestions, including organizing publicity and training for the new specification as soon as possible, conducting educational training for relevant construction units, third-party institutions, etc., further carrying out multi-industry project research on new situations encountered in acceptance work of soil and water conservation facilities in recent years, proposing appropriate handling methods and requirements to improve the effectiveness of acceptance work of soil and water conservation facilities, and promote its continuous development and refinement.

Key Words: technical specification; closed-loop management; facility acceptance; production and construction projects; soil and water conservation

Soil and Water Conservation and Good County-Level Management: Demonstration Management Modes and Innovative Practices in the Gully Region of the Loess Plateau ZHANG Xining^{1,2}, GUO Wenyao^{1,2}, CAO Dan^{1,2}, et al.

[1. Xifeng Management Supervision of Soil and Water Conservation in the Yellow River (Xifeng Experimental Station on Soil and Water Conservation), Qingyang, Gansu 745000, China; 2. Field Scientific Observation and Research Station of Soil and Water Conservation on the Loess Plateau, Ministry of Water Resources, Qingyang, Gansu 745000, China] (22)

Good County-level governance is a crucial cornerstone for promoting Chinese path to modernization, with the governance and revitalization in the ecologically fragile areas being a key and difficult point. Taking the practices of Xifeng Management Supervision of Soil and Water Conservation in the Yellow River (Xifeng Experimental Station on Soil and Water Conservation) as a typical case, the paper systematically summarized the innovative demonstration mode of coordinated advancement of soil and water conservation and good county-level governance in the gully region of the Loess Plateau. It involved consolidating the ecological foundation for green development at the county level through soil and water conservation work, promoting the value realization of ecological products using soil and water conservation carbon sinks, effectively transforming ecological advantages into development driving force, enhancing flood and disaster prevention capabilities through technological empowerment, and enriching industrial connotation through cultural inheritance, explored an effective path for coordinated promotion of ecological control and county-level development, and formed a replicable and propagable Xifeng experience. This mode not only provides a typical example for soil and water conservation and good county-level governance nationwide, but also contributes primary-level intelligence to the ecological protection and high-quality development of the Yellow River Basin.

Key Words: soil and water conservation; good county-level governance; the gully region of the Loess Plateau; Yellow River Basin