

ISSN 2095-1809 CN51-1155/TV

# SICHUAN WATER RESOURCES

# 四川水利

2021·增刊1

增刊备案号: 511155202101

《中国期刊全文数据库 (CJFD)》全文收录  
《中国学术期刊 (光盘版)》入编期刊  
中国知网 (CNKI) 全文上网期刊  
万方数据知识服务平台全文上网期刊  
维普网全文上网期刊



都江堰宝瓶口

# 四川水利

(双月刊)

2021年

增刊1

2021年7月出版

(1978年创刊)

《中国期刊全文数据库（CJFD）》全文收录  
《中国学术期刊（光盘版）》入编期刊  
中国知网（CNKI）全文上网期刊  
万方数据知识服务平台全文上网期刊  
维普网全文上网期刊

主 管 四川省水利科学研究院

协 办 四川水利职业技术学院

编辑出版 《四川水利》编辑部  
成都市青羊区牧电路7号

刊名题字 敬正书

主 编 刘双美 张智涌

副 主 编 郭翔宇 卢喜平 杨绍平

责 编 张 香 来晓芸 冯朝俊  
曾云峰

发 行 四川省水利科学研究院

地 址 成都市青羊区牧电路7号

邮 政 编 码 610072

电 话 (028) 87363803

传 真 (028) 87363803 (稿件查询)

E-mail sichuanshui727@vip.sina.com

印 刷 四川和乐印务有限责任公司

发行范围 国内公开发行

中国标准刊号 ISSN 2095-1809  
CN51-1155/TV

定 价 全 年 60.00 元  
每期10.00元

# 目次 Contents

· 卷首 Volume Header

1 开创水资源刚性约束新局面 赋能助力四川高质量发展 权 燕

· 水资源调度与管理 Water Resource Scheduling and Management

3 关于科学调配水资源支撑四川高质量发展的思考 刘力军  
Thoughts on scientific allocation of water resources to support high quality development  
of Sichuan province Liu Lijun

6 物联网技术在四川水资源管理中的应用思考 陈 曜, 王正勇, 胡 穆  
Application thinking of internet of things technology in Sichuan water resources  
management Chen Yao, Wang Zhengyong, Hu Yi

9 关于四川省实行最严格水资源管理制度考核工作的几点思考 田 睿, 侯力文  
Some thoughts on the assessment of the most strict water resource management system in  
Sichuan province Tian Rui, Hou Liwen

13 规范取水许可证延续 强化取水许可监管 宋乔依, 淡雅君  
Regulating water intake permit continuous and strengthening supervision of water intake  
permit Song Qiaoyi, Dan Yajun

16 四川省主要江河流域水资源计划调度的应用分析 王 颖, 田 睿  
Application analysis of water resources planning and dispatching in major river basins in  
Sichuan province Wang Ying, Tian Rui

19 基于免疫进化布谷鸟算法的升钟水库供水优化调度研究 王 冬, 王 颖, 邵豫霞  
Study on optimal operation of water supply in Shengzhong reservoir using the cuckoo  
algorithm based on immune evolutionary Wang Dong, Wang Ying, Shao Yuxia

24 四川省主要江河流域水量分配研究 张琴娅, 李大辰

Study on water allocation of major river basins in Sichuan province Zhang Qinya, Li Dacheng

26 四川省流域水资源调度管理研究 欧阳灵犀, 张 艳  
Study on basin water resource scheduling and management in Sichuan province Ouyang Lingxi, Zhang Yan

29 四川省水资源强监管实施情况浅析 徐小双  
Analysis on the implementation of water resources strong supervision in Sichuan province Xu Xiaoshuang

32 四川省水资源智能调度管理系统设计思考 周 威, 李海强, 王 颖, 任宇程  
Thinking about the design of water resources intelligent dispatching management system  
in Sichuan province Zhou Wei, Li Haiqiang, Wang Ying, Ren Yucheng

35 四川省重点河湖生态流量保障方案及面临的问题 周秀平, 罗莉, 王欣  
Ecological flow guarantee scheme and problems of key rivers and lakes in Sichuan  
province Zhou Xiuping, Luo Li, Wang Xin

38 四川省水库大坝常规生态调度机制建立探讨 李海强, 郭冬梅  
Discussion on the establishment of conventional ecological regulation mechanism for  
reservoir dams in Sichuan Province Li Haiqiang, Guo Dongmei

41 四川省乡镇水资源管理探析 何 孟, 龙 莉, 徐明曦, 王君勤, 赵正松  
Analysis on water resources management of villages and towns in Sichuan province

He Meng, Long Li, Xu Mingxi, Wang Junqin, Zhao Zhengsong

46 基于信息化的四川省取水许可“三个一”管理模式 刘 飞, 李 琴, 陈彦渝  
The "three one" management mode of water intake permit in Sichuan province based on  
informatization Liu Fei, Li Qin, Chen Yanyu

50 基于高分影像的区域灌溉需水分析——以龙泉驿区为例 彭占伟, 谭方栋, 姚 洋  
Analysis of regional irrigation water demand based on high resolution image—Take  
Longquanxi district for example Peng Zhanwei, Tan Fangdong, Yao Yang

53 都江堰渠首汛期洪水调度的实践和效益 周 韶路  
Practice and benefit of flood regulation in Dujiangyan canal head during flood season Zhou Hanlu

56 四川省都江堰灌区节水灌溉有关问题的探讨和对策 刘德芳  
Discussion on the related problems and countermeasures of water-saving irrigation in  
Dujiangyan irrigation district Liu Defang

58 成都市水资源现状分析与对策 朱李英, 卫仁娟, 朱家悦  
Analysis of current situation of water resources in Chengdu city and countermeasures

Zhu Liying, Wei Renjuan, Zhu Jiayue

62 浅析四川省都江堰人民渠第二管理处灌区取用水管理 陈开峰, 王开峰  
Brief analysis of water intake management in irrigation area of the 2nd management office  
of Renmin canal of Dujiangyan irrigation system in Sichuan province Chen Kaifeng, Wang Kaifeng

65 浅谈武引灌区水资源管理面临的问题及对策 徐 涛, 张显翠  
Brief talk on the problems and Countermeasures of water resources management in Wudu  
water diversion project irrigation district Xu Tao, Zhang Xiancui

68 浅析球溪河流域水资源调度控制断面保障措施 夏 云  
Brief analysis on the safeguard measures of water resources dispatching control section in  
Qiuxi river basin Xia Yun

72 多流域水库群集中调度管理研究 凌洪政  
Study on centralized dispatching management of multi basin reservoir group Ling Hongzheng

75 宝珠寺水库汛末提前蓄水理论与实践研究 许小东  
Study on theory and practice of water storage in advance at the end of flood season in  
Baozhusi reservoir Xu Xiaodong

- 79 南河水资源管理与防洪减灾浅谈 ..... 王亮  
 Brief talk on water resources management and flood control and disaster reduction of Nanhe river Wang Liang
- 82 平昌县水资源管理问题与对策分析 ..... 程博, 王力, 张涛  
 Analysis of the problems and countermeasures of water resources management in Pingchang county Cheng Bo, Wang Li, Zhang Tao

## · 水环境与水生态 Water Environment & Water Ecology

- 85 修复若尔盖草原生态湿地是黄河上游实施“蓄丰补枯”的重要途径 ..... 谭英富, 王晓沛, 蔡东阳, 黄春萍  
 Restoration of Zoige grassland ecological wetland is an important way to implement "storing flood to replenish dry" in the upper reaches of the Yellow River Tan Yingfu, Wang Xiaopei, Cai Dongyang, Huang Chunping
- 89 紫坪铺水库上游流域径流变化趋势及水文情势变化分析 ..... 杨彬  
 Analysis of runoff change trend and hydrological regime change in the upper reaches of Zipingpu reservoir Yang Bin
- 94 缺资料流域农业面源污染评估——以渠县境内渠江流域为例 ..... 朱才荣, 胡正, 臧荣强  
 Assessment of agricultural non-point source pollution in watershed without data—Take Qujiang River basin in Quxian county for example Zhu Cairong, Hu Zheng, Zang Rongqiang

- 100 沱江干流水水质现状及变化趋势分析 ..... 侯力文, 曾骥, 郝仁琪  
 Analysis on the current situation and change trend of water quality of Tuojiang River main stream Hou Liwen, Zeng Ji, Hao Renqi

- 104 浅析河湖长制在城市河道水生态环境治理中的实践经验 ..... 李卫起, 朱才荣, 胡正

- Brief analysis on the practical experience of river-lake chief system in urban river water ecological environment governance Li WeiQi, Zhu Cairong, Hu Zheng

- 108 南充市水功能区水质状况及影响因素分析 ..... 王天金, 蒲菊梅  
 Analysis of water quality condition and its influencing factors in water function area of Nanchong City Wang Tianjin, Pu Jumei

- 112 陇西河景观踏水桥对河道行洪与河势稳定的影响研究 ..... 郑本超, 李国良  
 Study on the influence of landscape tread-water bridge of Longxi river on flood discharge and river regime stability Zheng Benchao, Li Guoliang

- 117 数值模拟在地下水环境影响评价中的应用——以某氯化法钛白粉项目为例 ..... 杨易, 裴建全, 张雄  
 Application of numerical simulation in groundwater environmental impact assessment—Take a chlorination-process titanium white project as an example Yang Yi, Pei Jianquan, Zhang Xiong

- 122 探究全民水库饮用水源水质指标铁锰含量影响因素及保护对策 ..... 张坤, 徐嘉, 杨军

- To explore the influencing factors of iron and manganese content in drinking water source of Quanmin reservoir and protection countermeasures Zhang Kun, Xu Jia, Yang Jun

- 126 浅谈龙泉湖自然保护区水资源管理保护及其发展方向 ..... 曾红敏

- Management and protection of water resources in Longquan Lake Nature Reserve and its development direction Zeng Hongmin

- 128 广安市芦溪河生态环境保护现状与建议 ..... 张坤, 尹倩

- Current situation and suggestions on ecological environment protection of Luxi river in Guang'an city Zhang Kun, Yin Qian

## · 建设与管理 Construction and Management

- 132 在承继创新中开创龙泉山灌区事业新局面——新时代龙泉山灌区建设管理理念 ..... 杨林  
 Create a new situation of Longquanshan irrigation area in the process of succeeding inheritance and innovation—Construction and management concept of Longquanshan irrigation area in new era Yang Lin

- 136 恩阳区县域节水型社会达标建设现状与对策分析 ..... 李林刚, 简帮红, 李晨希

- Current situation and countermeasure analysis of water-saving society up-to-standard construction in county area of Enyang district Li Lingang, Jian Banghong, Li Chenxi

- 140 成都市九眼桥闸坝改造技术应用研究 ..... 谭乔木, 宋玉婷

- Application research on reconstruction technology of Jiuyanqiao sluice dam in Chengdu Tan Qiaomo, Song Yuting

- 142 均匀流与非均匀流推求灌区渠系水面线区别分析 ..... 帅佳, 杨佳奇, 马思远

- Difference analysis of water surface profile of canal system in irrigation area by uniform flow and non-uniform flow formula ascertain Shuai Jia, Yang Jiaqi, Ma Siyuan

- 144 若果朗灌区输水方式的选择与取用水管理 ..... 韩沛东

- Selection of water conveyance mode and management of water intake in Ruoguolang irrigation area Han Peidong

- 147 石棉县金窝水电站建设项目水资源论证分析 ..... 康青勇

- Water resources argumentation analysis of Jinwo hydropower station construction project in Shimian County Kang Qingyong

- 151 基层河道管理中存在的问题及对策建议 ..... 杨心勇

- Problems and countermeasures of grass-roots river management Yang Xinyong

- 154 平昌县农村小型水库工程运行管理分析 ..... 何山

- Operation management analysis of rural small reservoir project in Pingchang county He Shan

- 157 浅谈我国农田水利建设的发展 ..... 王琅, 朱磊, 雍晓东

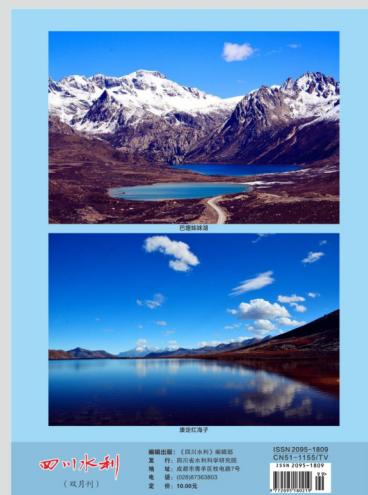
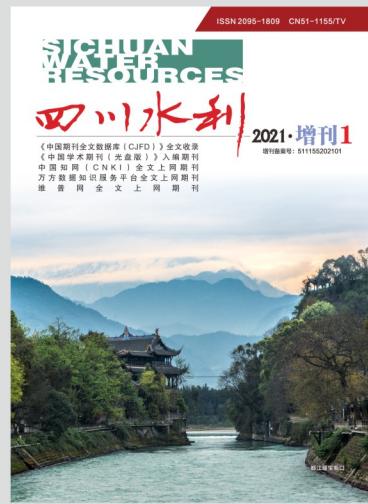
- Brief talk on the development of farmland water conservancy construction in China Wang Lang, Zhu Lei, Yong Xiaodong

- 160 新形势下施工企业科技工作的管理思路与方法 ..... 伍佳

- Management ideas and methods of science and technology work in construction enterprises under the new situation Wu Jia

- 162 浅谈新时期水利人才队伍建设 ..... 赵书梅

- Brief talk on the construction of water conservancy talent team in the new period Zhao Shumei



## 彩页目次

封二：《四川水利》专家委员会、理事会

封三：四川省水资源调度管理中心

前插一~二：四川省水资源调度管理中心

封底：巴塘姊妹湖、康定红海子 / 李晓鹏 摄