

# 目 次

## 组织管理

|                              |                              |    |
|------------------------------|------------------------------|----|
| 国际林火发展动向和全球化管理对策 .....       | 王海晖, Shamima Aktar, 盛昌栋, 杨家富 | 1  |
| 森林火灾档案管理及应用 .....            | 张念慈, 许志峰, 刘欣                 | 9  |
| 小五台山自然保护区管理局森林防火工作实践探讨 ..... | 郝敏                           | 13 |
| 加强我国森林消防指挥员培训的思考 .....       | 白夜, 王博, 武英达                  | 16 |
| 辉南县森林防火五级网格化管理体系的构建 .....    | 丁静, 石岩, 张杰, 王刚, 李纲, 姜世安, 石磊  | 18 |

## 林火研究

|                            |                        |    |
|----------------------------|------------------------|----|
| 滇中地区附生植物燃烧性的研究 .....       | 张候飞                    | 21 |
| 火烧强度对苏南地区植被土壤呼吸的影响研究 ..... | 朱益平, 石静, 王冲冲, 章晓宇, 吴涵波 | 27 |

## 航空护林

|  |                         |    |
|--|-------------------------|----|
| 关于科学统筹航空护林机源的实践与思考 .....                     | 闫志刚, 沈显成, 高颖楠, 邓晓宇, 李永明 | 32 |
| 高效能航空灭火团队建设探讨——以大理2018年“3·8”火场机群灭火实战为例 ..... | 杨正波                     | 38 |
| 试析我国森林航空消防建设现状与发展需求 .....                    | 闫鹏, 杨帅                  | 41 |
| 大型水陆两栖飞机森林灭火任务覆盖分析 .....                     | 闫光巍, 张昊, 李宝仓            | 44 |
| 加速野外起降坪建设 提高空中直接灭火效益 .....                   | 杜小红, 张昆, 吴孟泽, 刘斌来       | 47 |

## 无人机应用

|                        |              |    |
|------------------------|--------------|----|
| 无人机在森林防火领域的应用及发展 ..... | 梁宁, 袁新利, 刘晓东 | 50 |
|------------------------|--------------|----|

# CONTENTS

## Organization and Management

|  |  |
|--|--|
| International forest fire development trends and global management countermeasures             |  |
| .....  | WANG Haihui, Shamima Aktar, SHENG Changdong, YANG Jiafu 1                  |
| Forest fire archives management and the associated application                                 | ZHANG Nianci, XU Zhifeng, LIU Xin 9  |
| Discussion on forest fire prevention practice of Xiaowutaishan Nature Reserve Administration   | ..... HAO Min 13   |
| Thinking on the tactics for strengthening the training of forest fire commanders in China      |  |
| .....  | BAI Ye, WANG Bo, WU Yingda 16  |
| Construction of five-level grid management systems for forest fire prevention in Huinan County |  |
| .....  | DING Jing, SHI Yan, ZHANG Jie, WANG Gang, LI Gang, JIANG Shian, SHI Lei 18 |

## Research on Forest Fire

|  |  |
|--|--|
| Study on the combustibility of epiphytic plants in central Yunnan                        | ZHANG Houfei 21  |
| Effects of fire intensity on vegetation soil respiration performance in southern Jiangsu |  |
| .....  | ZHU Yiping, SHI Jing, WANG Chongchong, ZHANG Xiaoyu, WU Hanbo 27 |

## Aviation Forest Guard

|  |   |
|--|---|
| Practice and thinking on the scientific planning of aviation forest guard aircraft resource        |   |
| .....  | YAN Zhigang, SHEN Xiancheng, GAO Yingnan, DENG Xiaoyu, LI Yongming 32 |
| Discussion on the construction of the aviation teams with high-efficiency fire fighting capability |   |
| --A case study of the aircraft group for fire fighting in Dali “3·8” fire site in 2018             |   |
| .....  | YANG Zhengbo 38   |
| Analysis on the present situation and development demand of forest aviation guard in China         |   |
| .....  | YAN Peng, YANG Shuai 41   |
| Analysis on the coverage capacity to forest fire fighting tasks by large amphibious aircraft       |   |
| .....  | YAN Guangwei, ZHANG Hao, LI Baocang 44                                |
| Accelerating the construction of field takeoff and landing platform to improve the effectiveness   |   |
| of direct fire suppression from the air  | DU Xiaohong, ZHANG Kun, WU Mengze, LIU Binlai 47                      |

## UAV applications

|  |   |
|--|---|
| Application and development of UAVs in forest fire prevention sector |   |
| .....  | LIANG Ning, YUAN Xinli, LIU Xiaodong 50 |