



农业信息技术与 信息管理

AGRICULTURAL INFORMATION TECHNOLOGY
AND INFORMATION MANAGEMENT
2008

中国农业科学院农业信息研究所

Agricultural Information Institute,
Chinese Academy of Agricultural Sciences



中国农业出版社
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前 言

2008 年是中国农业科学院农业信息研究所各项事业继续快速发展的一年。全所各项事业在中国农业科学院党组的正确领导下,在农业部、科技部相关部门的关心支持下,坚持科学发展观,继续以全面提高研究所的科技创新能力和公益服务能力为中心,以增强研究所的整体实力为目标,大力加强农业信息学科建设、农业科技成果应用与人才队伍建设。在农业信息技术、农业信息管理、农业信息分析等学科领域取得了重要科研进展,并在农业信息资源建设、信息公益服务、农业科技期刊编辑等方面取得了显著成绩。

《农业信息技术与信息管理》从 2002 年起每年公开出版一册。主要是将我所科技人员当年发表的学术论文和撰写的科技报告选编成册,以充分检阅和展示这些成绩,尊重和激励全所科技人员的创造性劳动,更广泛地宣传和应用好这些研究成果。

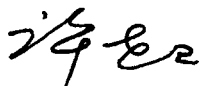
《农业信息技术与信息管理 2008》集中反映了 2008 年我所在农业信息技术、农业信息管理、农业分析等学科领域的科研进展,收集了科技人员在农业信息系统管理、农业信息智能分析、农业信息网络技术、农业数据库建设、农业信息资源管理、农业信息化、农产品供求分析、期刊编辑等方面的研究论文与探讨类文章。

《农业信息技术与信息管理 2008》,共选编了我所研究人员本年度的论文与科技报告 47 篇,分农业信息化战略、农业信息技术、农业信息资源管理、农业科技期刊、农业信息分析与宏观农业 5 个部分。

本书附录中收录了中国农业科学院农业信息研究所组织机构和负

责人的名单，以及 2008 年部分在研课题、出版著作、获奖成果、登记的计算机软件等情况，还选编了我所大事记，以进一步增强本书的纪实性。

为方便交流，收录的学术论文题目和作者采用了中英文两种文字。我们希望通过本书的出版，进一步得到社会各界对我们工作的关心与支持，不断提高我所的科技创新能力、公益服务能力和成果应用能力，也希望能通过这种形式加强与科技同行的学术交流，共同为我国农业信息科技事业发展做出新的贡献。

中国农业科学院农业信息研究所所长 

2009 年 3 月 20 日

Foreword

2008 is a year when each undertaking of the Agricultural Information Institute, Chinese Academy of Agricultural Sciences (AII-CAAS) continues its rapid development. Under the correct leadership of the Party Group of the Chinese Academy of Agricultural Sciences and the concern and support by relevant departments of the Ministry of Agriculture and Ministry of Science and Technology and by insisting on scientific development view, all the undertakings of the AII-CAAS have continued to focus on improving the science and technology innovation capacity and public welfare service capacity of the Institute, taken the strengthening of the overall strength of the Institute as the objectives, and strengthened discipline construction, talent team construction and management mechanism in a big way. The AII-CAAS has gained important research progress in agriculture IT, agricultural information management, agricultural information analysis and other disciplines. The AII-CAAS has gained significant achievements in agricultural information resources construction, information public welfare service, agricultural periodical editing, etc.

“Agricultural Information Technology and Information Management” has been published each year since 2002. It mainly collects academic papers and science and technology reports written by the research staff of the AII-CAAS, so as to fully review and demonstrate these achievements, show respect and encourage the creative labor of all the staff, and propagate and better apply these research achievements even more extensively.

“Agricultural Information Technology and Information Management (2008)” has centrally reflected the research progress of the AII-CAAS in 2008 in agricultural information technology, agricultural information management, agricultural analysis and other disciplines, and collected research papers and discussion articles written by research staff in the aspects of agricultural information system management, agricultural information intelligence analysis, agricultural information network technology, agricultural database construction, agricultural information resource management, IT application in agriculture, farm produce supply and demand analysis, agricultural periodical editing, etc.

“Agricultural Information Technology and Information Management (2008)” has selected 47 papers and science and technology reports written by the research staff of the AII-CAAS. It is composed of 5 parts of Strategy of IT Application in Agriculture, Agricultural Information Technology, Agricultural Information Resources Management, Agricultural Science and Technology Periodicals, and Agricultural Information Analysis and Macro Agriculture, respectively.

The Appendixes of this monograph have collected a list of the organizations of AII-CAAS and their responsible people, as well as partial on-going research projects, published monographs, prized research achievement, registered computer software packages, and other situation. In 2008, it contains memorabilia of the AII-CAAS in order to further strengthen the records of actual events of this monograph.

For the convenience of communication, this monograph has collected the title and author of the academic papers in both Chinese and English languages. We hope that through the publication of this monograph, we can further get the concern and support of our work by all walks of life in the society, continue to improve our science and technology innovation capacity, public welfare service capacity and industrial development capacity, strive to strengthen academic exchange with science and technology colleagues through this form and jointly make new contributions to the development of agricultural information science and technology undertakings in China.

Xu shi wei

Director-General

Agricultural Information Institute,
Chinese Academy of Agricultural Sciences (AII-CAAS)

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