



Research Article

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Analysis on the problems and countermeasures for sci-tech periodicals in the practical application of collecting and editing system

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ABSTRACT

From analyzing the application process and function setting of the collecting and editing system for sci-tech periodicals, the problems in practical applications were proposed, and the solutions for the problems were advanced. These suggestions were provided for functions improvement in the collecting and editing system, to make the functions and processes of the collecting and editing system more convenient, reasonable, scientific.

Key words: sci-tech periodical; online collecting and editing system; problem analysis; countermeasures analysis

INTRODUCTION

With the fast technical development of network and the popularization of network information, more and more scientific journal editorial departments introduced the manuscript online editing management system software for network office. The editorial department of Journal of Northeast Forestry University also introduced a manuscript online editing network version system for adapting to the times, With the system, authors, editors, reviewers and readers could do all the operations on the unified platform. This system could meet the different operators' need and achieve uniform operation and data sharing. In general, the editing system involves online submission and inspection system, online edit system, online expert review system, and network publications distribution system et al. It realized completely network management and operations in receiving manuscript, reviewing manuscript, editing and setting up, achieved real-time information exchange between the authors, editors, readers and experts, shortened the processing time, and improved work efficiency. In practice, it can replace the paper manuscripts, disks articles and e-mail submission method, and lead the better development for editorial department.

With the wide applications of online editing of system, online editing system can be served as one of the core system operations in the sci-tech journals. In daily applications, the system not only needs running in a safe, stable and efficient operating environment, but also meets the users' application habit, higher requirements of the system operability, simplicity and fault tolerance ability. In this paper, according to some encountered problems from the online editing system in the practical work, the existing problems of the editing system were proposed to perfect the online editing system software for readers, reviewers and editorial departments in function setting, application process and application method.

APPLICATION PROCESS OF MANUSCRIPT EDITING SYSTEM

The whole editing system is divided into four thematic applications: online authors submission and tracking system, online editors work office system, online expert review system, network publications distribution system. Specific work process is divided into five steps.

The first step: the new authors must register online first before submitting the articles, authors need to fill the information (name, unit, address, telephone number and Email etc) and manuscript information (Chinese and

English titles, fund project name and upload manuscripts etc). The information authenticity and accuracy will ensure the timely contact to the authors and make sure the progress of the manuscript.

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查询稿件：点击稿件列表中对应稿件的  可查看稿件状态，点击  可查看与编辑部的未传信件，点击  提交修改稿，点击  可修改稿件信息。

注：请勿重复投稿和“撤稿”后再投。

重要提示：作者投稿稿件，务必点击“下一步”才完成投稿成功。



Fig.1: Nstructions to authors

The second step: after submitting articles successfully, the editor will receive the manuscript in the editor work office system in time and process the manuscripts according to the distribution of the editorial department, which includes relevant registration information, preliminary review, outside review, and review comment involving notice of withdrawal, rejection notice, notification, notification page charges.

工作内容	数量(篇)	操作
新近回审稿件及作者退改稿件	2	马上进入工作
待处理稿件(初审、退修和退稿)	2	马上进入工作
未分配的齐编稿件	0	马上进入工作
待安排刊期稿件	1	马上进入工作
待排期稿件	0	马上进入工作
未读消息	34	查看
上面各种稿件的数量为零时表示工作都已处理完毕!		
我的近期任务	4	马上进入工作
待催修稿件	5	马上进入工作
进行中任务	0	马上进入工作
正在外审稿件	2	马上进入工作
正在修改的稿件	2	马上进入工作
所有齐编稿件	5	马上进入工作

Fig.2: The editor work office system

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2008.01.02

Fig.3: The expert E-mail

The third step: After receiving the manuscripts, the reviewers will complete reviewing the manuscripts and filling in the comments within the required time.

稿件：《基于模糊 AHP 的鱼雷武器系统可靠性分配》 编号：200710020

投稿日期：2007-10-22 20:52:27 投稿作者：李彩霞

阶段	操作人	完成时间
外审意见 关闭	陈建军	2007-12-11
操作人：陈建军	催促时间：2007-12-06	完成时间：2007-12-11
<p>意见：本文将模糊层次分析法应用于鱼雷武器系统的可靠性分配中，用实例验证了方法的可行性和合理性，计算结果对工程应用有一定的参考价值。</p> <p>评价：选题的前沿性和新颖性：优；技术方法的创新性：良；学术理论水平：良；题目的准确性和吸引力：中；内容表述的清晰程度：良；参考文献引用的合理性：中；内容是否有涉密问题：不涉密。</p> <p>结论：修后重审</p>		
回复外审专家		
操作：退改 退稿		

Fig.4: Examine and approve manuscripts

Step four: Publish the directory and articles of the latest edition to the home page of the online system, Authors, editors, experts and readers can download the latest issue.



Fig.5: articles published

EXISTING PROBLEMS OF MANUSCRIPT EDITING SYSTEM AND IMPROVING METHODS

On-line editing system optimizes the editing work. we actually feel the benefits of online editing system, such as increasing productivity, significantly reducing duplication, specifying manuscript processes, improving service quality; significantly reducing paper manuscripts, realizing office information, significantly saving in mailing costs, reducing reviewer cycle, increasing influence of science and technology journals. However, the author, after two years of practice, found some inconvenient place, and gave some suggestions for improvement.

Problem 1: In the second process step, after receiving the authors' first submission, editors need first-review. After first-review, the editors send the manuscript to experts reviewers. This review process is anonymous and blind, however, the first-manuscript users' information such as: name, telephone number and fund information is deleted before sending to the reviewers by the editors. Therefore, the re-upload process virtually increases the workload of the editors.

Improvement: Editing system set the different editorial templates in advance in the construction process. Through the template, the author upload the context to the server, the server pre-compiled components files are compiled on this word processing, and the server deletes relevant users' information. The editor after the first review can send directly the manuscript to outside expert, and simplify the work of uploading blind manuscript review process. Now, a lot of open source tools are supported to the operation of the server on the MS WORD. In the JSP environment, danadler.com companies can use open source products JACOB to achieve the first draft of the personal information filtering. C # in asp.net environment also provides the function to operation on the MS WORD.

Problem 2: The number of attachments in the email is limited. Setting considerations in the mail of a few editing systems are not comprehensive enough. Through editor online editing system, the author can only send one email attachment for exchanging the information in each time, if editors want to send a paper template, reference notes and other electronic documents at the same time, there is no way to upload more than two email attachments once. And, most of all the authors log in to their mailbox every day, they may not only to view the articles of information, but other contacts needs. Editing system staff considered this point, so the design of the program for authors was added in a personal mailbox with the "relevant information" of the manuscript. This can let authors find manuscript information earlier and more convenient. However, at the same time, there are the problems that "relevant information" is not all the information, editors upload attachment in the online system, but the author in the personal mailbox can not receive it, and some of the authors can't view the attachments in their mailboxes. Simply, irresponsible revised manuscript through personal mail is send to the editorial delaying the further modification of the contents of the real. There is no way to edit the manuscript on the on-line editing system, so that the articles are always in a "revise" status. Sometimes, the editors need to call the author to do detailed explanation, which brought authors and editors

inconvenience.

Improvement: Increase the number of e-mail attachment set in e-mail settings of the editing system. In sending attachment, send the attachments not only to the online submission system, but also simultaneously to the author e-mail.

Problem 3: The majority of the authors have "impatient" character, and few seriously look at the specific editing amendments from editors. When they encounter the problem, they do not seriously look at each icon meaning of online editing system. Instead, they only call the editor to find out the answer. This is also because there are too many system icons which are not obvious enough. It makes the authors, who are rush to solve the problem of the manuscript, have no patience to see the specific meaning of the icons one by one, only resort to phone or e-mail over and over again. Therefore, highlighting icons implication is necessary.

Countermeasures: In the building editing systems, simplify the processes and icon settings to achieve the "fool" operation.

Problem 4: The problem of assigning reviewer. The scope of Journal of Northeast Forestry University is mainly original experimental research-based papers. The research field of review experts involves in forest genetic breeding, Forestry Cultivation and other forest areas in 15 subjects. In on-line editing system database there are more than 200 foreign experts and scholars. Because of large number of reviewers, in the daily work we found that assigning reviewer is also a tedious work. At present, we search the expert according to the names of experts or the keyword of their research field. However, when the editors assign reviewers through inputting the names of the experts by using different input method, and when the experts have the rare characters name, the search process becomes time-consuming and tedious process.

Improvement: Increase the keyword matching functions for experts recommend. In the process of assigning experts, the system could match keyword of submitted papers and expert research field, and the system will automatically generate a number of referees for the editors. This kind of experts selecting method is more efficient than enter the names of experts. When we must enter the names of experts in the search, an expert search module Ajax framework is used to achieve expert full name abbreviation, fuzzy query input to simplify the process.

CONCLUSION

This research is on the basis of editor's daily work of the application, function, processing of the online editing system. Considering the needs of different users, the existing problem of online editing system in the practical application were proposed, and the corresponding solutions program in achieving user-friendly, advancing efficiency, improving the editing system software were advised. Although there are still some problems with the online editing system in practice, these problems will be solved gradually after a long accumulation of experience and continuous editorial counterparts to the continuous exchange in use, The applications and improvement of Sci-tech journals online system will bring convenience for the publication of scientific and technological periodicals, and play a role in promoting development for the journals informatization.

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