과학학술지발전을 위한 편집인의 역할과 자세

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Asian-Australasian Journal of Animal Sciences(AJAS)

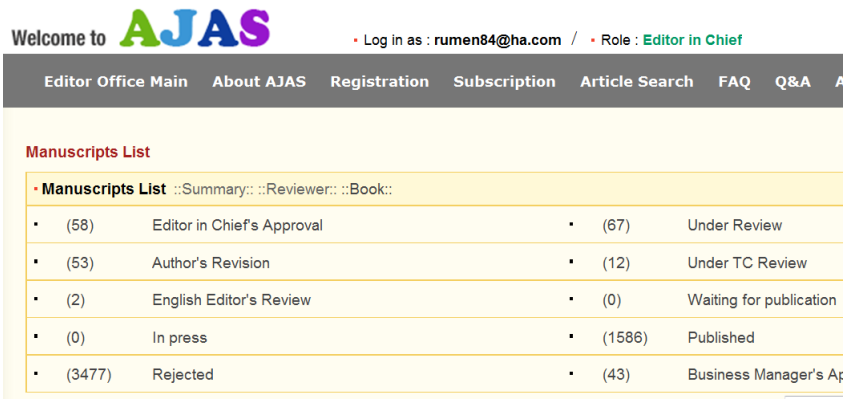
- **연혁**

창간: 1988
소속: AAAP공식학회지
발간회수: monthly
언어: 영어
Database: SCI(E), SCOPUS, EBESCO, CABI, BIOSIS 등
발간 mode: online-무료
print-유료
운영: 예산조달/수립/집행, 편집, 운영 등 일체의 업무를 학회 이사회가 인준한 편집위원장(임기 6년)이 독립적으로 수행하고 AAAP이사회에 보고함

Asian-Australasian Journal of Animal Sciences(AJAS)

- 구성

Editor-in-Chief : 1명
Editorial board : 110명
Science editor : 8명
English editor : 1명
Reviewer pool : 약 250명
Staff : 2명



편집인 역할

-원고의 승인/거절, 수정여부/정도, 게재시기 결정
-학술지의 발행 목표와 범위 결정
-학술지의 발전방향 결정
-편집위원회 구성
-편집사무실 운영
-광고의 종류 및 내용 결정

편집인의 의무

1. 원고의 접수, 검토, 수정, 발간 과정의 주관

2. 학술지의 정시 발간, 품질관리

3. 논문의 학문적 수준 향상

4. 학술지의 국,내외 홍보 및 평판 관리

편집인의 의무

4. 학술지의 현황 파악 및 숙지, 대응대책
   수립: 원고현황(분야별, 국가별), accept/reject율, impact factor 변화추이 및 상대적 위치, 경쟁학술지 변화 추이

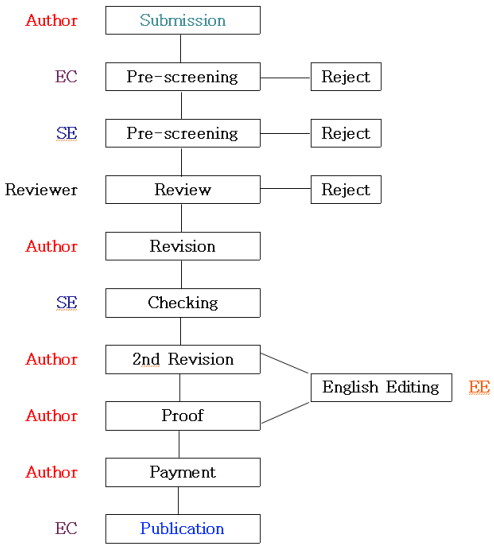
5. 장, 단기 발전계획의 수립 및 추진

6. 관련조직의 관리(사무직원, editorial board, reviewer pool, 저자, 광고주, 외주회사, 학회임원)

편집인 자격

-분야에 대한 지식
-국내,외 지명도
-책임감
-사명감
-자기희생(특히 시간)
-리더쉽
-균형감각
-공정성
-결단성

학술지 논문 검토과정



Pre-screening

- Chief editor, section editor, science editor가 해당 논문의 review 유무 결정
- 논문의 학술적 수준 유지
- Reviewer당 배당 논문의 최소화로 검토의 충실성 제고
- 논문 검토과정 및 발간 소요기간 단축

*투고자가 수긍할 수 있는 근거 제시
*재고요청 제도는 유지하되, 재고 허가사례는 최소화

Pre-screening 판단근거

1. 논문의 독창성
2. 영어
3. Author guide 준수
4. 통계/실험설계
5. 동물관리 적절성

AJAS Pre-screening 결과 통지

Thank you very much for submitting your manuscript (ED # 13570 "논문제목").
Your work falls within the general scope of AJAS and has some interesting results.
However, your manuscript is not subjected to peer review process due to the following reasons based on our internal editorial review:

- One-way ANOVA is not appropriate for a randomized complete block design.
- The Duncan's new multiple range test can be used for unstructured treatment. In the present work the authors had graded levels of phytosterols in the diet.
- The manuscript does not follow the AJAS format particularly in the reference list.
- The information on the ingredient and chemical compositions is preferred to be presented as a table format. More detailed information on the 1% premix is also provided in most paper for readers.
- Written English is too poor to be evaluated by reviewers.

Therefore, I regret to say that your manuscript is declined. It is preferred to return submitted manuscript rapidly so as not to delay its submission elsewhere.
Thank you for considering AJAS for the publication of your research. I hope the outcome of this specific submission will not discourage you from the submission of future manuscripts.

Editorial board

역할

편집정책/방향, 현안, 학술지발전방향에 대한 편집장 자문

구성

국내외 해당분야 저명 학자 (연령, 국가/지역, 세부분야별 안배)

활용

원고 검토, 논문제출, 우수논문/리뷰논문 유치,
편집위원 추천, 기타 학술지의 질적 수준 유지에 필요한 사항
(학술지 홍보, 인용 권유 등)

AJAS editorial board 구성 예

Country	Number	Country	Number
Korea	44	Pakistan	2
Japan	13	UK	2
China	11	Philippines	2
USA	4	Russia	2
India	7	Turkey	1
Taiwan	8	Italy	1
Canada	3	Others	7
Australia	3	Total	110

* A total of 32 Countries. ** 119 adhoc review committee members

Reviewer pool

- 학술지의 질적 수준 유지, 검토 완료에 소요되는 기간에 절대적 영향
- 해당분야에서 경륜과 지명도 높은 학자
- 가급적 많은 수의 pool 확보
- 실적(연간 검토 논문 수, 검토소요 기간, 검토내용의 충실도, 완성도)에 따라 분류 관리

Review 결과

- **Accept:**

-구체적이고 건설적인 제안, 수정지시

-논문의 질적 향상에 기여하는 내용

- **Reject:**

-학문적 근거에 의거 구체적인 근거제시

-정중한 표현

-추후 연구, 타 학회지 제출시 도움이 되는 제안 또는 비판이어야 함

부실 review

-단순 Accept or reject (불성실)

-논문 내용에 대한 부정확한 이해

-근거 없는 내용의 제시 또는 과도한 요구 (경쟁 연구자)

-과도한 reviewer 본인 논문 인용 요구

Review 결과 예시

By Reviewer1 Reject Date : 2013. 7.26

General observations:
The topic is important and contains some novel and valuable information. However, this manu script need further improvement before considering acceptance.

Observations along the text.

Abstract: please indicate the age or initial wt of pigs used. How sexes of pigs were considere d in the allotment (barrows vs gilts)? Indicate duration of study as
Introduction: English edit needs to be done. There are several grammatical errors and there

Method and Results: use either methionine or Met but not Methionine. Apply to all other am ino acids.

Statistical analysis: it seems that initial body weight was used as a covariate. Why? Were initia l body weights

Results and Discussion
P7 L7: ' ... the pigs remained healthy and evinced good appetites.': this statement needs
Table 1: By reading the composition, I cannot understand how Met+Cys concentrations in low protein diets.

Decision
Considering above results, I am afraid I have to decline your manuscript in present form. How ever, I will be pleased to review your future work.

*** 전체 내용 중 일부 발췌함**

Reviewer에 대한 보상

- 금전적
- 선물
- 감사편지
- 리스트 학회지 게재
- Reviewer Award

Best Reviewer Award

AJAS 2012 Best Reviewer Award

AJAS editorial team is delighted to announce the winners of the **AJAS 2012 Best Reviewer Award**. This is the first Best Reviewer Award program of AJAS and the award will be given annually to a few reviewers of AJAS in recognition of their outstanding efforts and contributions. We are pleased to recognize two among our many invaluable reviewers this year: Prof. **Phil Thacker**, University of Saskatchewan, Canada and Prof. **Chaeyoung Lee**, Soongsil University, Korea.

In 2012, *AJAS* received approximately 750 manuscripts involving over 200 reviewers. Reviewers kindly offered their outstanding expertise and professional services to support our Journal. Based on both the quality and quantity of the reviews, the final winners were evaluated and selected by the Editor and selection committee of the journal.

Phil Thacker is the author of over 200 refereed publications in scientific journals including 6 reviews. Other publications include conference proceedings, abstracts as well as many technical reports. He co-authored the 'Swine Nutrition Guide" a book on general swine nutrition for swine producers and edited a book on "Non-traditional Feed Sources for Use in Swine Production". He was a member of a team that produced a CD Rom on "Increasing the Reproductive Efficiency of the Breeding Herd". He was also a member of the 1998 NRC subcommittee to establish the "Nutrient Requirements of Swine". He began reviewing papers for AJAS in 1998 and that year prepared the "Guide to Authors" for the journal which is still in use today. He reviews approximately 15 papers a year for AJAS.

Author

- 논문 제출자, 재정 원
- 미래의 고객 (지인, 논문 search, 학술회의 등 을 통해 우수 논문투고 가능자 발굴)
- 우리 학술지의 우수성/장점/차별성 홍보
- 우수/불량 저자 관리

저자는 “을”인 동시에 “갑”

- 투고 요령 및 기타 원고 심사과정에 대한 정확한 정보 및 편의성 제공
- 적합성 여부 판정 기간의 최소화
- 적합성 판정에 대한 충분하고 자세한 내용 제공
- 적합성 판정에 대한 신뢰성 유지
- 적합성 판정 및 게재순서에 대한 공정성 확보
- 건설적인 적합성 판정내용과 적절한 표현으로 추후 계속적으로 투고할 수 있는 분위기 조성

재 정

- 수입 형태
  - 독자부담: 개인/기관 구독료, (회비)
  - 저자부담: 게재료, 영문편집료, 별쇄비용
  - 절충/혼합형
  - 공통: 광고, 보조금 (정부, 기관, 개인)

  * 새로운 형태의 수입원?

재 정

- 지출 형태
  - 인쇄비
  - 인건비
  - 편집비용(영문교정 포함)
  - 사무실 운영비
  - 우편/통신료
  - 회의비
  - 교육, 훈련비
  - 교통비
  - 홍보비

학술지 수입/지출의 예

Revenue	%		Expenditure	%
Advertize	27		Salary	30
Subscription	11		Postage	10
Reprint	8		Printing	30
Page charge	22		Editing(EE, SE)	13
Support	29		Office maintenance	12
Others	3		Carry-over	5
	100			100

수입:
-광고 30%
-보조금 30%
-저자부담 30%
-독자부담 10%

지출:
-인건비 30%
-간행비 40%
-편집/사무/기타 30%

학술지 발전전략

AJAS 2020

Mission:

Serve to animal industry and academia in AAAP region by efficient publication and distribution of scientific information on animal science

Vision:

To become a globally important and respectable journal in the area of animal sciences with sustainable structure

Goal:

Become a top 30% journal in animal sciences or top 10% journal with multi-disciplinary nature, covering major areas of animal science with >2.0 Impact Factor

AJAS 2020

Strategies:

1. Journal exposure and citation frequency
-Open access policy with full text XML service
-Coverage by Medline/Pubmed Central

2. Journal management
-Develop the system for better service to authors, subscribers, reviewers, supporters
-Upgrade journal quality and credibility by the modification of publishing policies and technologies

3. Editorial
-Separate editorial board and reviewer pool
-Editorial board: Appoint less than 50 members representing AAAP and non-AAAP Countries

4. Budget
-Current source of budget: subscription, reprint, page charge, advertisement, institutional support.
-Subscription and reprint be eventually diminished, while advertisement and institutional support is uncertain.
-Page charge will be main source of funding and substantial increase will be inevitable in the next few years (from 30% to 50% publication cost).

*** 일부 발췌**

학술지 발전방안

- **목표**: 해당분야의 학문적 발전에 기여하면서 국내, 국제적으로 인정받는 학술지

- **전략**:

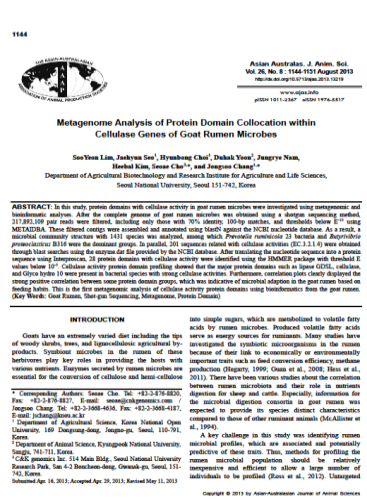
1. 우수논문의 유치: 장기적 노력, 인용회수 높은 저자의 별도관리

2. 인용빈도 향상: 저명 학자의 논문/종설(초청)게재, 대표논문의 배포(online/offline을 통한 별쇄배포, 홈페이지 이용한 대표논문의 게재)

3. 새로운 편집, 출판환경변화추세 파악 및 적용: 주요 색인에 좀 더 쉽게 접근
4. Communication: 일방적, 단절적 형태에서 쌍방적, 개방적 방식으로의 전환

* 다양한 communication환경조성 필요: SNS/online 기법(web-based seminar, conference)을 통한 이 해당사들의 관심 유도 필요

5. 경쟁학술지와의 차별성: 구독료, 게재료, 발행간격, 검토기간, Fast-tract system



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Asian Australas. J. Anim. Sci.
Vol. 26, No. 8 : 1144-1151 August 2013

Metagenome Analysis of Protein Domain Collocation within Cellulase Genes of Goat Rumen Microbes

Soo Yeon Lim, Jaekyun Seo[1], Hyunbong Choi[2], Dubak Yoon[3], Jungrye Nam, Heebal Kim, Seone Cho[3,*], and Jongsoo Chang[1,*]
Department of Agricultural Biotechnology and Research Institute for Agriculture and Life Sciences, Seoul National University, Seoul 151-742, Korea

ABSTRACT: In this study, protein domains with cellulase activity in goat rumen microbes were investigated using metagenomic and bioinformatic analyses. After the complete genome of goat rumen microbes was obtained using a shotgun sequencing method, 217,892,109 pair reads were filtered, including only those with 70% identity, 100-bp matches, and thresholds below E^{-30} using METAZIDBA. These filtered contigs were assembled and annotated using blastX against the NCBI nucleotide database. As a result, a microbial community structure with 1431 species was analyzed, among which *Prevotella ruminicola* 23 bacteria and *Butyrivibrio proteoclasticus* B316 were the dominant groups. In parallel, 201 sequences related with cellulase activities (EC 3.2.1.4) were obtained through blast searches using the enzyme.dat file provided by the NCBI database. After translating the nucleotide sequence into a protein sequence using limeprocan, 28 protein domains with cellulase activity were identified using the HMMER package with threshold E values below 10^{-5}. Cellulase activity protein domain profiling showed that the major protein domains such as lipoxygenase, cellulase, and Glyco hydro 10 were present in bacterial species with strong cellulase activities. Furthermore, correlation plots clearly displayed the strong positive correlation between some protein domain groups, which was indicative of microbial adaption in the goat rumen based on feeding habits. This is the first metagenomic analysis of cellulase activity protein domains using bioinformatics from the goat rumen. (**Key Words:** Goat Rumen, Shot-gun Sequencing, Metagenome, Protein Domain)

INTRODUCTION

Goats have an extremely varied diet including the tips of woody shrubs, trees, and lignocellulosic agricultural by-products. Symbiont microbes in the rumen of these herbivores play key roles in providing the hosts with various nutrients. Enzymes secreted by rumen microbes are essential for the conversion of cellulose and hemi-cellulose into simple sugars, which are metabolized to volatile fatty acids by rumen microbes. Produced volatile fatty acids serve as energy sources for ruminants. Many studies have investigated the symbiotic microorganisms in the rumen because of their link to economically or environmentally important traits such as feed conversion efficiency, methane production (Hegarty, 1999; Guan et al., 2008; Hess et al., 2011). There have been various studies about the correlation between rumen microbiota and their role in nutrients digestion for sheep and cattle. Especially, information for the microbial digestion consortia in goat rumen was expected to provide its species distinct characteristics compared to those of other ruminant animals (McAllister et al., 1994).

A key challenge in this study was identifying rumen microbial profiles, which are associated and potentially predictive of these traits. Thus, methods for profiling the rumen microbial population should be relatively inexpensive and efficient to allow a large number of individuals to be profiled (Ross et al., 2012). Unassigned

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Asian-Australasian Journal of Animal Sciences

Articles

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Metagenome Analysis of Protein Domain Collocation within Cellulase Genes of Goat Rumen Microbes

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INTRODUCTION
MATERIALS AND METHODS
RESULTS AND DISCUSSION
CONCLUSIONS
Supplementary Materials
ACKNOWLEDGMENTS
REFERENCES

Impact factor 관리

Year	IF (Self-citation %)	Submssion
1997	0.094	
1998	0.126	
1999	0.257	
2000	0.446	
2001	0.260 (62)	
2002	0.247 (54)	
2003	0.445 (61)	
2004	0.627 (74)	
2005	0.854 (73)	650
2006 (online)	0.875 (77)	753
2007	0.857 (78)	751
2008 (IF withhold)	-	725
2009	-	644
2010 (IF resumption)	0.487 (18)	464
2011	0.579 (17)	523
2012	0.643 (18)	723

경쟁 학술지의 영향

	2005	2006	2007	2008	2009	2010	2011
Korea	80	81	76	69	59	65	60
China	0	7	63	66	53	51	43
India	42	41	23	10	11	15	24
Japan	31	25	25	15	24	15	14
Thailand	6	11	9	11	5	5	6
Iran	6	6	4	13	14	10	6
Australia	6	0	5	5	2	4	5
Pakistan	2	7	12	7	2	2	5