

Australasian Journal of Educational Technology

Volume 25, Number 3, 2009 ISSN 1449-5554 (online)

Contents

Editorial 25(3)	iii-x	X
A review of podcasting in higher education: Its influence on the traditional lecture Oliver McGarr	309-32	1
Laptop computers and wireless university campus networks: Is flexibility and effectiveness improved? Miikka J. Eriksson, Hanna Vuojärvi and Heli Ruokamo	322-335	5
Discourses in conflict: The relationship between Gen Y pre-service teachers, digital technologies and lifelong learning	336-350)
Planning to teach with digital tools: Introducing the interactive whiteboard to pre-service secondary mathematics teachers	. 351-365	5
Staff and student perceptions of an online learning environment: Difference and development	366-381	L
The effects of using a wiki on student engagement and learning of report writing skills in a university statistics course	382-398	3
Reconciling university teacher beliefs to create learning designs for LMS environments Caroline Steel	399-420)
Do undergraduate paramedic students embrace case based learning using a blended teaching approach? A 3-year review	. 421-439	9
Designing an online video based platform for teacher learning in Singapore Hyo-Jeong So, Hans Lossman, Wei-Ying Lim and Michael J. Jacobson	440-457	7

The *Australasian Journal of Educational Technology* (AJET) is a refereed research journal published 5-6 times per year by the Australasian Society for Computers in Learning in Tertiary Education (ascilite). AJET retired its printed version (ISSN 1449-3098) at the end of Volume 23, 2007, and from Volume 24, 2008, the journal is open access, online only (ISSN 1449-5554), and does not have paid subscriptions.

© 2008 Authors retain copyright in their individual articles, whilst copyright in AJET as a compilation is retained by the publisher. Except for authors reproducing their own articles, no part of this journal may be reprinted or reproduced without permission. For further details, and for details on submission of manuscripts and open access to all issues of AJET published since the journal's foundation in 1985, please see http://www.ascilite.org.au/ajet/

For editorial inquiries, contact the Editor, Associate Professor Catherine McLoughlin, School of Education (ACT), Australian Catholic University, PO Box 256, Dickson ACT 2602, Australia. Email: Catherine.McLoughlin@acu.edu.au, Tel: +61 2 6209 1100 Fax +61 2 6209 1185.

For review process, production, website and business matters, contact the Production Editor, Dr Roger Atkinson, 5/202 Coode Street, Como WA 6152, Australia. Email: rjatkinson@bigpond.com, Tel: +61 8 9367 1133. Desktop publishing (PDF versions) and HTML by Roger Atkinson.

AJET is managed by a Committee comprising ASCILITE Executive nominees, the convenors or nominees from previous ascilite Conferences, and AJET's previous editors and current senior editorial staff. The 2009 Management Committee members are:

Professor Mike Keppell, Charles Sturt University, ASCILITE President
Dr Philippa Gerbic, Auckland University of Technology, ASCILITE Executive
Professor Geoffrey Crisp, University of Adelaide, ASCILITE 2003 Convenor
Dr Rob Philipps, Murdoch University, ASCILITE 2004 Convenor
Professor Peter Goodyear, University of Sydney, ASCILITE 2006 Convenor
Dr Dale Holt, Deakin University, ASCILITE 2008 Convenor
Professor Ron Oliver, Edith Cowan University, AJET Editor 1997-2001
Assoc Prof Catherine McLoughlin (Editor), Australian Catholic University
Dr Roger Atkinson (Production Editor)

AJET's Editorial Board (see http://www.ascilite.org.au/ajet/about/editorial-board.html) reflects the journal's commitment to academic excellence in educational technology and related areas of research and professional practice, our vision of an international journal with an Australasian regional emphasis, and our origins as a professional and learned society publication.



Australasian Society for Computers in Learning in Tertiary Education http://www.ascilite.org.au/



Same places, different spaces

Auckland, 6-9 December 2009 http://www.ascilite.org.au/conferences/auckland09/

Editorial 25(3)

AJET's acceptance rate: A regional analysis

Table 1 and Figure 1 provide an update on our routine monitoring of AJET's acceptance rate by region or country, last reported in AJET Editorial 23(4) [1]. To compare the overall acceptance rate for the six years 2003-2008, 28.9%, with rates for individual years, refer to Editorial 25(2) [2].

Table 1: AJET acceptance % calculated on sums 2003-2008, ranked by region or country

Region or		Number submitted					Number accepted							%	
country	03	04	05	06	07	08	Sum	03	04	05	06	07	08	Sum	70
Australia	25	30	33	34	36	36	194	7	18	15	19	15	13	87	44.8
NZ, Sth Pacific	5	4	1	1	2	4	17	1	2	1	0	1	1	6	35.3
UK and Europe	6	7	10	10	9	14	56	2	2	2	4	4	7	21	37.5
USA, Canada	5	19	16	11	11	19	81	3	5	5	3	2	6	24	29.6
Total	61	97	91	100	119	127	595	13	31	30	29	34	35	172	28.9
Southeast Asia	4	13	11	8	9	15	60	0	2	3	1	4	6	16	26.7
East Asia	8	4	5	7	12	9	45	0	1	2	1	3	1	8	17.8
Other Asia	1	3	4	8	9	5	30	0	1	1	0	2	0	4	13.3
Middle East	3	10	6	15	17	16	67	0	0	1	1	2	1	5	7.5
Africa	3	4	3	6	12	9	37	0	0	0	0	1	0	1	2.7
Other America	1	3	2	0	2	0	8	0	0	0	0	0	0	0	0.0

Aust is Australia only; Sth Pacific includes Papua New Guinea; SE Asia includes Thailand; East Asia includes Taiwan, Hong Kong, Korea; Other Asia includes India, Bangladesh, Pakistan; Middle East includes Turkey, Israel; Africa includes Mauritius; UK and Europe includes Eastern Europe, Russia, Cyprus, Georgia; Other America includes Mexico, Caribbean countries, Central and South America.

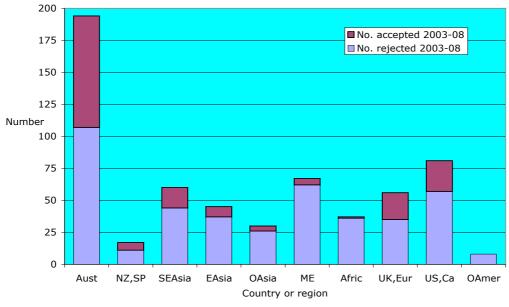


Figure 1: Number of rejections and acceptances from AJET submissions, 2003-2008 (Regions are as defined for Table 1. See AJET Editorial 23(4) [1] for the 2003-2006 version)

In Editorial 23(4) [1] we advanced the following conclusions from the 2003-2006 data:

... there is a very large, regionally correlated variation in the ratio of acceptances (upper part of each bar) to rejections (lower part of each bar). It indicates quite forcefully that we will have to work harder on securing more acceptances of papers from the regions of the world that are the basis for AJET's aspirations to be a *front ranked international journal with an Australasian character*. [1]

We regret that Figure 1 offers only meagre evidence of progress towards the goal implied in Editorial 23(4). As stated in that Editorial [1]:

... there is much effort going into formative advice to authors on how to improve their research projects and papers for an international academic readership, especially helping authors with a LOTE background. [1]

Nevertheless, this effort continues. Whilst much of the work in advising authors about how to improve their research plans, execution and reporting is undertaken by AJET's Editorial staff, we are very grateful to our Review Panel [3] for the generous amount of time devoted by many members to composing the formative advice that accompanies a "Reject" or "Invite resubmission for a new review after major revisions" notification. [4]



Auckland, 6-9 December 2009 http://www.ascilite.org.au/conferences/auckland09/

Report on progress with Abstracted & Indexed In ...

This report has been prepared for AJET's Management Committee, Editorial Board, ascilite Members, and readers and authors generally, partly in response to questions directed to AJET's editorial staff, for example as illustrated in the following two excerpts from recent correspondence:

>This quick email is to ask if AJET is still an ISI rated journal? [5]

The brief answer to your question asking "... if AJET is still an ISI rated journal?" is "I'm sorry, I do not know". In April 2007 we received ... [6]

>I am having trouble locating the impact factor of the AJET. Can you >point me in the right direction? [7]

I regret that we still waiting for progress. In Editorial 23(2), http://www.ascilite.org.au/ajet/ajet23/editorial23-2.html, we stated ... [6]

Thus a report on progress with *Abstracted & Indexed In ...* seems timely. This phrase is taken from a heading in AJET Editorial 24(2) [8], for a background information item



"In dreams begins responsibility": Choices, evidence, and change

Manchester, UK, 8-10 September 2009 http://www.alt.ac.uk/altc2009/



Assessment in Different Dimensions

A conference on teaching and learning in tertiary education

19-20 November 2009 at Storey Hall, City Campus, RMIT University

http://emedia.rmit.edu.au/atnassessment09/

concerned with a simple classification of abstracting and indexing services. In particular, we can review the experiences referred to cryptically and regretfully in that Editorial's Table 4 as "Time to 'deal with'...".

Firstly, Thomson Reuters and AJET. To summarise briefly, for a number of years (2004-2007) we provided ISI/ISI Thomson with complimentary copies of AJET's printed edition, until AJET became open access only, online only at the beginning of 2008 [9]. As recorded in AJET Editorial 23(2), "For nearly three years, we received no response" [6]. Then we received the email noted in that Editorial, but a year elapsed before we received further advice, as we noted (with some exasperation) in Editorial 24(5) [10]. Then we encountered another gap in communication, notwithstanding the five 2008-2009 emails to Thomson Reuters logged in our running file on this matter [11]. Finally, on a sixth attempt, via a facility on the Thomson Reuters website, we received two responses by email [12], one containing the advice:

Once your journal became online-access-only our processing departments have had to evaluate the technicalities of including it in our database. This evaluation is not finished. As soon as it is completed, we will either begin to process the journal beginning with the 2008 issues and forward, or we will notify you that we cannot work with it. Unfortunately we cannot give you a date for the end of the evaluation.

Thank you so much for all of your cooperation and communication. We look forward to moving ahead with this coverage as soon as possible. [13]

We responded to this quickly with a helpful lead on the "technicalities":

Many thanks for the response, I was so uncertain about how to get things moving!

What may be very helpful is the provision of advice on what is being evaluated in relation to "the technicalities of including it in our database". I cannot find anything in the TR website, but I would expect that along with many others (ERIC, EBSCO, etc) TR seeks an "FTP push" (i.e. I upload files to your FTP site, when each issue is published) with PDF as the preferred format for files. Could you or someone in TR confirm that please? Then I will know the specifications to conform with. [14]

However, as Thomson Reuters stated, "... we cannot give you a date..." [13], so we will have to wait. A similar uncertainty about the "Time to ..." arises in the second abstracting and indexing service considered in this report, Elsevier's *Scopus* [15].



Sakai as a Scholarly Environment: Pedagogy, Systems, Processes and Outcomes

AuSakai 09, Charles Sturt University, Bathurst Campus 16-18 September 2009 http://www.csu.edu.au/division/landt/ausakai09/ausakai09.htm



Macquarie University, 3-4 December 2009. http://lams2009sydney.lamsfoundation.org/

An account of AJET's relations with *Scopus* was provided in AJET Editorial 23(3), also showing some exasperation [16]. As the communications reported in that Editorial are over two years ago, it's time for another update. We examined some relevant information from the Scopus website, specifically "New titles to be added in 2009" [17] and "List of Open Access titles" [18]. AJET does not appear, but the "New titles" file indicates that Scopus has been very busy indeed with expansion. New titles (total 757 listed) and open access titles (total 1212 listed) for journals found with searches in these files for Australian and Australasian include the following:

From 'New titles' [17]

Australasian Marketing Journal Australasian Journal of Combinatorics

Australasian Journal of Ecotoxicology

Australasian Journal of Gifted Education

Australasian Journal of Special Education

Australasian Plant Disease Notes

Australian Business Law Review

Australian Journal of Basic and Applied Sciences

Australian Journal of Crop Science

Australian Journal of Emergency Management

Australian Journal of Environmental Education

Australian Journal of Teacher Education

Australian Journal of Water Resources

Australian Journal on Volunteering

Australian Law Journal

Australian Review of Applied Linguistics
Australian Slavonic and East European Studies
Critical and Creative Thinking (Publisher: Federation of Australian Philosophy in Scools [sic] Associations

Curriculum Perspectives (Publisher: Australian Curriculum Studies Association Inc.)

Family Matters (Publisher: Australian Institute of Family Studies)

Higher Education Research and Development

Journal of Smoking Cessation (Publisher: Australian Academic Press)

Journal of Australian Studies

Journal of Christian Education (Publisher: Australian Christian Forum on Education Inc.)

Journal of the Australian and New Zealand Student Services Association

Mathematics Education Research Journal (Publisher: Mathematics Education Research Group of Australasia, Inc.)

Nuytsia (Publisher: Western Australian Herbarium, Dept of Environment &

Conservation)

Open Museum Journal (Publisher: Australian Museums On Line)

From 'OA titles' [18]

Australasian Journal of Disaster and Trauma Studies

Australia and New Zealand Health Policy

Australian Educational Researcher

The Future of Learning Design conference

University of Wollongong 10 December 2009 http://sites.google.com/site/2009uowldconf/ Submissions close 7 Sept 2009



Australasian Association for Institutional Research

2009 Annual Forum

Adelaide, 11-13 November 2009

http://www.aair.org.au/

Australian Journal of Educational and Developmental Psychology Australian Journal of Emerging Technologies and Society Australian Prescriber

Journal of Educational Enquiry (Publisher: University of South Australia)

Journal of Empirical Generalisations in Marketing Science (Publisher: University of South Australia)

Journal of Inequalities in Pure and Applied Mathematics (Publisher: Victoria University of Technology)

Journal of Population Research (Publisher: Australian Population Association) Medical Journal of Australia

AJET's running file on Scopus listing commences with our first use of their "Title suggestion form" [19] on 23 January 2006. For three years AJET has not succeeded in joining the large number of journals listed above, though we have tried most years. Of course, it would be invidious and inappropriate for us to attempt "merit comparisons" between AJET and the journals listed above (heck, I had to look up Wikipedia for "Combinatorics"! [20]). However, we could flag for attention some further monitoring and reporting upon AJET's positioning (or lack thereof) with Scopus, and (as some may be thinking) we will consider (just in case) a more disciplined, more circumspect moderation of our analyses of the Abstracted & Indexed In ... scene. Better to be listed than blacklisted :-) Perhaps in 2010 we will be able to use the "This title is now indexed in Scopus" graphic that Scopus provides on its website [21].

Readers engaged in educational research may not be aware that Scopus has secured a role as the Australian Research Council's citation supplier, "... ERA citation data supplier for Cluster One—Physical, Chemical and Earth Sciences (PCE)" [22]. Will Elsevier's Scopus supplant Thomson Reuters, owners of the Impact Factor, in a bibliometrics dogfight? To illustrate very briefly with two quotations:

Today, bibliometrics programs with large teams of analysts are firmly established in many nations, and these groups issue bibliometric reports, often called science indicators studies, at regular intervals. A few such groups are the National Science Foundation (United States); the Other nations with active bibliometrics groups include Argentina, Australia, In almost all cases, the publication and citation data of Thomson Reuters form the basis of their bibliometric analyses. [23]

Scopus is the largest abstract and citation database of peer-reviewed literature and quality web sources with smart tools to track, analyze and visualize research.

- ... improves research productivity and effectiveness by offering, among other features Scopus Affiliation Identifier to automatically identify and match an organization
- with all its research output
- ... Scopus Citation Tracker to simply find, check and track citation data year by year and in real-time
- ... The h-index as a means to evaluate research performance, complemented by unique graphs [24]



ACEC2010: DIGITAL DIVERSITY CONFERENCE

Australia's ICT Education Conference for All Educators

Melbourne, 6-9 April 2010 http://acec2010.info/

There is a growing body of Australian based research into the use of bibliometrics to inform research quality assessment exercises, for example Jarwal, Brion and King (2008) in their recent article titled "Measuring research quality using the journal impact factor, citations and 'ranked journals': Blunt instruments or inspired metrics?" [25]. However, there seems to be little research into the processes that are followed by the publishers and others who select the journal lists that are the starting points for impact factor calculations, citation counts and rankings of journals.

The third matter to report is the outcome from AJET's negotiations with Gale Cengage Learning, which sought a "Data Distribution and Content License Agreement" with your journal. Gale produce a number of databases [26]. We sought something similar to AJET's agreements with EBSCO [27] and ERIC [28], which in essence enable AJET articles to be included in their database products, for search purposes, with full text delivery (should a reader wish to obtain full text for an article found by searching the database) provided by a hypertext link to AJET's website, not by the database server. In this model, no royalty is charged, no earnings (other than annual subscription, in the case of EBSCO). However, Gale appeared to be seeking additional income (to be divided between Gale and AJET) for delivering AJET articles from Gale's servers. An additional clause wanted by AJET was not acceptable to Gale, and therefore no agreement was reached. This clause was:

19. This addendum is inserted at the Publisher's request to make it explicitly clear that "Royalties and payments" Clauses 3.a to 3.d are declined. Users of "Databases, Products, and Services" (Section 1.a) are not to be charged for retrieving an AJET article they may have found via a Gale product, notwithstanding anything said in previous sections of this agreement. [29]

Clause 19. quoted above had the same intent as AJET's copyright statement:

In accordance with open access principles, it is the intention of AJET and AJET's authors that no charges be levied upon readers or educational institutions by royalty or copyright fee collection agencies, or by database vendors, for reader access to AJET's online, free to the Internet articles. [30]

AJET does not wish to receive any royalties because if we went down that pathway we would lose our *RoMEO Green* open access status [31]. As full open access is our primary differentiation from our main competitors (listed in Editorial 24(4) [32]), we pursue that path vigorously.

To conclude on a more positive note, we are very pleased to report that AJET file uploads to ERIC [28] for their indexing and abstracting service commenced on 9 February 2009, with Volume 24 (2008) uploaded. As noted in AJET Editorial 23(2) [33], AJET's communications with ERIC commenced in November 2000. Whilst that is a long time to 'deal with', ERIC underwent a major internal reorganisation taking

several years during that period. Other uploads that are now part of the AJET production routine include EBSCO (commenced 22 January 2008 with Volume 24), and Taylor & Francis (for Educational Research Abstracts [34], abstract only uploads commenced 10 March 2003). The production routine also includes an 'alert' message to ACER's Cunningham Library for the Australian Education Index [35].

Idle Moment 36: JALN abandons open access

A good amount of non-idle time is devoted to checking references during the copy editing phase for each article that AJET has accepted. Checking references can be rather time consuming, partly because often there are numerous errors in a list, and because it's tempting to switch from 'editing mode' to 'reading mode'. During a recent lapse into 'reading mode' I (RJA) was rather surprised to find that JALN (Journal of Asynchronous Learning Networks) [36] has abandoned open access, perhaps at the end of 2008. The change to subscription only access appears to have been applied retrospectively to all issues from 1(1), March 1997 to the current issue, 13(1), 2009. There appears to be no editorial statement explaining the change of policy.

However, non-subscribers may still be lucky. JALN's change from open access has not been rigorously implemented upon every file. Whilst URLs having the formats: http://www.sloan-c.org/publications/jaln/vxny/vxny_author.asp or http://www.sloan-c.org/publications/jaln/vxny/vxny_author_member.asp lead to a subscribers only barrier, the format: http://www.sloan-c.org/publications/jaln/vxny/pdf/vxny_author.pdf is likely to succeed, at least for volumes prior to 12, and until 4 July 2009. (where 'x' is volume no., 'y' is issue no. and 'author' is first author's surname). Unfortunately, AJET authors and the Production Editor in the past have tended to cite the format 'vxny/vxny_author.asp', instead of 'vxny/pdf/vxny_author.pdf' for JALN references. Now, nearly all AJET articles that cite a JALN article contain a

Authors of JALN articles are required to assign copyright to JALN's publisher, the Sloan Consortium, and self archiving is not permitted [37]. Perhaps JALN needs to work a bit more upon communicating its policy changes. Using Google Scholar [38] the following statement of JALN policy turned up, commendable in our view, but sadly it is quite out of date for the new JALN:

Open Access Policy This journal provides immediate open access to its content on the principle that making research freely available to the public supports a greater global exchange of knowledge. [39]

Roger Atkinson and Catherine McLoughlin AJET Production Editor and AJET Editor

Endnotes

broken hypertext link.

- AJET Editorial 23(4). http://www.ascilite.org.au/ajet/ajet23/editorial23-4.html
 AJET Editorial 25(2). http://www.ascilite.org.au/ajet/ajet25/editorial25-2.html
 AJET Panel of Reviewers. http://www.ascilite.org.au/ajet/about/rev-panel-current.html

4. AJET Review Form. http://www.ascilite.org.au/ajet/about/ref/review-form.html

Email from Professor Alan Amory, University of Johannesburg, relayed by Professor Ron Oliver, Edith Cowan University, to the Production Editor, 11 June 2009.

For details on the Thomson ISI advice dated 18 Apr 2007 13:10:47 -0400, see AJET Editorial 23(2). http://www.ascilite.org.au/ajet/ajet23/editorial23-2.html

Email from David Huffaker, Northwestern University, to the Production Editor, 17 June 2009.

AJET Editorial 24(2). IM 28: Abstracted & Indexed In. http://www.ascilite.org.au/ajet/ajet24/editorial24-2.html

9. AJET Editorial 24(1). The decision to retire AJET's printed version. http://www.ascilite.org.au/ajet/ajet24/editorial24-1.html

10. AJET Editorial 24(5). Where is AJET's Impact Factor? http://www.ascilite.org.au/ajet/ajet24/editorial24-5.html

11. AJET Production Editor's text only running file '18apr07 thomson ISI advice'.

12. AJET Production Editor's text only running file '11may09 follow up succeeds'.
13. Email from Ms Hollis Seidner, Subscriptions Representative, Thomson Reuters, to the

Production Editor, 12 May 2009.

14. Email from the Production Editor to Thomson Reuters 15 May 2009, running file '11may09 follow up succeeds'

15. *Scopus*. Elsevier B.V. http://www.scopus.com/ 16. AJET Editorial 23(3). IM 21: More on databases.

http://www.ascilite.org.au/ajet/ajet23/editorial23-3.html

17. Scopus (2009). New titles to be added in 2009. [verified 7 May 2009] http://info.scopus.com/detail/what/documents/titles2009.xls

18. Scopus (2009). List of open access titles. [verified 4 July 2009] http://info.scopus.com/detail/what/documents/Scopus_infosite_OA_list_2008_02_11.xls

19. Scopus (2009). Title suggestion form. http://info.scopus.com/etc/suggestitle/20. Wikipedia (2009). Combinatorics. http://en.wikipedia.org/wiki/Combinatorics

21. *Scopus*. http://info.scopus.com/detail/what/images/Banner_title_now_indexed_125x125.GIF 22. Australian Research Council (2009). Citation supplier.

http://www.arc.gov.au/era/citation.htm. For additional information see

http://www.arc.gov.au/pdf/citation_supplier_FAQ.pdf

23. Thomson Reuters (2008). Using bibliometrics: A guide to evaluating research performance with citation data. Thomson Reuters White paper. http://science.thomsonreuters.com/m/pdfs/325133_thomson.pdf

24. Scôpus (2009). Scopus in Detail: Facts & Figures. http://info.scopus.com/detail/facts/ 25. Jarwal, S. D., Brion, A. M. & King, M. L. (2008). Measuring research quality using the journal impact factor, citations and 'ranked journals': Blunt instruments or inspired metrics? In Proceedings AAIER Forum 2008. http://www.aair.org.au/2008Papers/Jarwal.pdf

26. Gale Cengage Learning (2009). Database Title Lists.

http://www.gale.cengage.com/title_lists/ 27. EBSCO. EBSCOhost Online Research Databases. http://www.ebscohost.com/

28. ERIC. http://www.eric.ed.gov/ 29. AJET (2009). File 'ASCILITE 2-12-08-rev.doc'

30. AJET. Copyright in AJET articles. http://www.ascilite.org.au/ajet/about/ref/authoradvice.html#copyright

31. SHERPA/RoMEO. Publisher copyright policies and self-archiving.

http://www.sherpa.ac.uk/romeo/ 32. AJET Editorial 24(4). *Blood, sweat and four tiers* revisited. http://www.ascilite.org.au/ajet/ajet24/editorial24-4.html

33. AJET. Editorial 23(2). Idle moment No. 18: ERIC.

http://www.ascilite.org.au/ajet/ajet23/editorial23-2.html 34. ERA. Educational Research Abstracts Online. Routledge.

http://www.informaworld.com/smpp/title~db=all~content=t713417651

35. Cunningham Library - Australian Education Index (AEI). ACER. http://www.acer.edu.au/library/aei/journals.html

36. JALN. http://www.sloanconsortium.org/publications/jaln/index.asp 37. JALN. Author's Warranty and Copyright Transfer. [viewed 20 June 2009] http://www.sloan-c.org/publications/jaln/AuthorCopyright.pdf
38. Google Scholar. http://scholar.google.com/

39. JALN. Editorial Policies [viewed 20 June 2009; undated, but appears to be mid to late 2008] http://jaln.sloanconsortium.org/index.php/jaln/about/editorialPolicies#openAccessPolic