How librarians are raising researchers' reputations (Asia-Pacific focus)
An exploration of academic networks, profiles and analysis

Dr. Ambery Thomas, Manager, Scholarly Publications, The University of Queensland Scholarly Publications and Digitisation Services, Australia

David T. Palmer, Associate University Librarian & Digital Strategist, The University of Hong Kong Libraries, Hong Kong

Takanori Hayashi, Chief of the Cataloging and Preservation Section, Agriculture, Forestry and Fisheries Research Information Technology Center, Japan

Webinar
LibraryConnect
Partnering with the Library Community

#LCwebinar
December 5, 2013
Amberyyn Thomas

Manager, Scholarly Publications University of Queensland, Australia

*Partners in Scholarship: UQ Library support of the research enterprise*
Outline

- **Background**: the research landscape, with a particular focus on evaluation
- The UQ Library structure and services offered
- Who we are engaging with and examples of what we do
- Some comments about training and suggestions for best-practice
The research evaluation landscape……..

- Globally: e.g. UK RAE since 1992 (now REF)
- Within Australia:
  - RQF, followed by ERA 2010 & ERA 2012
- Increasing prominence of university rankings, and new rankings emerging:
  
  “Universities are increasingly confronted by a plethora of ranking and classification initiatives” - European University Association

- ‘Globalisation of research’ and relationship between ‘collaboration’ and ‘quality’
- Emerging metrics – altmetrics and usage statistics

Impact ‘locally’ – keen focus on research quality, impact & understanding collaboration
Partners in Scholarship: UQ Library support of the research enterprise

Amberyn Thomas
UQeSpace

Citation counts & Publication Records

Web of Science

ResearcherID

Scopus

Citation Counts, Publication Records, Scopus Author ID

Data entry

Benchmarking

Scopus Custom Dataset

UQ Staff Data (HR)

My UQ eSpace

Altmetrics

Government reporting, ERA, UQ data warehouse, Academic portfolio, UQreSEARCHers, etc

eSpace repository

Publication records

Partners in Scholarship: UQ Library support of the research enterprise

Amberyn Thomas
Strong links across UQ……

- Involved in Excellence in Research for Australia ERA 2010 & 2012
- Provide briefing notes and information about metrics-related data for e.g. ODVC(R)
  - University ranking information
  - Nature and Science publishing activity
  - Benchmarking data (bibliometrics)
- Produce reports on collaborative publication activity for:
  - International Office, Research Office, Senior Exec
- Provide reports and metrics advice for School Reviews & major grant applications
- Work closely with Research Information Service Librarians who work with individual academics, research groups and Schools in the provision of metrics services and advice
WHO.....are we engaging with

- Individual researchers
- Heads of School, Faculty, Institute Directors
- Research managers and administration staff
- Committees, etc
- Senior exec: VC (President) Office, DVCR, International office
- Commercialisation unit – UNIQUEST at UQ
For individual academics & research groups, we:

- Advise academics on **what tools are available** and **how useful** they are for tracking research outputs & their citations
  - E.g. Scopus, ORCiD
- Help academics identify and find **relevant** metrics, e.g. h-index
- Provide **context** for metrics, including benchmarking and expected citation rates for different discipline areas where appropriate
- Advise on how to put the metrics into broader context
  - Review what academics write using metrics information and provide feedback on accuracy, relevance etc.
Working with individual researchers and research teams

**quality** /ˈkwɔːlətē/  
Noun

- the standard of something *as measured against other things of a similar kind*
- the degree of excellence of something
For grant applications

• Metrics provide *supporting evidence* of claims individuals make

  *e.g.* Track record of individuals
  
  – Contribution to the discipline and/or significance of the contribution
  
  – Evidence of international profile
  
  – Evidence of capacity to collaborate effectively
For Research Managers (e.g. VC, DVCR, International Office, Heads of Schools, Centres, Institutes), we provide custom advice on research performance/publication metrics

- Collaboration reports – country & institution
- University rankings information
- KPI information
- Annual report statistics
- School Review support
Collaboration: visualisations using Scopus Custom Dataset

Which countries do we co-publish with?

Which institutions do we co-publish with?

Source: Scopus database, Elsevier 2013
What subject areas do we publish in?

UQ publications 2005 – 2012 using Scopus ASJC codes

Source: Scopus database, Elsevier 2013

webcast

Partners in Scholarship: UQ Library support of the research enterprise

Amberyn Thomas
How do our collaborations change with time?

Source: Scopus database, Elsevier 2013
Training & best practice

• Ensure adequate training opportunities and support for librarians to ‘learn while doing’
• Deliver a service based on provision of advice and practical assistance
  – relevant resources & sophisticated tools

Librarians are not ‘bibliometricians’
Partners in Scholarship: UQ Library support of the research enterprise

Amberyn Thomas

Level 1: Specialist
A Specialist has expertise and knowledge in research evaluation & metrics tools, and keeps abreast of emerging issues.
Develops & provides metrics training and support for RIS Managers, Librarians & within UQ.
Provides expert advice and tailored metrics reports for UQ Senior Executive and UQ International.
Develops and recommends metrics data & benchmarks for inclusion in UQ systems.

Level 2: Service Provision
A Level 2 Service Provider has a good working knowledge of metrics, including benchmarks.
Can provide training & advice within their field, including conducting workshops on metrics tools and related topics, including author identifiers.

Level 3: Awareness & Understanding, and Basic Service Provision
A Level 3 Service Provider can advise academics on what metrics tools are available & how useful they are within their field, including author identifiers.

Metrics Service Provider
Selected RIS Librarians

Metrics Awareness & Understanding, and Basic Service Provider
All RIS Librarians & Managers
Partners in Scholarship: UQ Library support of the research enterprise

Amberyn Thomas
David T Palmer

http://hub.hku.hk/cris/rp/rp00001

Associate University Librarian & Digital Strategist
The University of Hong Kong

The HKU Scholars Hub:
Reputation, Identity & Impact Management
The Reputation of the University?

[Images of people]
The HKU Scholars Hub (The Hub)
-- A Current Research Information System (CRIS)

HKU Sources
- Registry
- Research Services
- Graduate School
- Public Affairs
- Tech Transfer

External Sources
- Scopus,
- WoS, ResearchID
- SSRN
- ACM Digital Library
- Google Scholar Citations
- Etc.

Librarians
Individual scholars
Products include,

• For the individual
  – Identity management
  – Reputation management
  – Impact management
  – Increased digital footprint

• For external searchers
  – Find an expert
  – Cybervetting
  – Peer Review
Professor Tam, Paul Kwong Hang

Title: Li Shu-Pui Professorship in Surgery; and Professor
Chair of Paediatric Surgery
Pro-Vice-Chancellor

Dept: V-C's Office
Dept of Surgery

Faculty: Li Ka Shing Faculty of Medicine

Curriculum Vitae

Research Interests: (click to check for cognate researchers)

My URLs:

Download

- Developmental biology
- Paediatric surgery
- Immunology
- Genomics

Also Cited As:

Tam, Paul
Tam, Paul KH
Cheung, DTM

Ms Cheung, Debra Tin Mei 張天湄

Title: Associate Professor
Dept: Dept of Architecture
Faculty: Faculty of Architecture

Honours, Awards & Prizes

<table>
<thead>
<tr>
<th>Award With</th>
<th>Date</th>
<th>Honours / Awards / Prizes</th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>01-10-2004</td>
<td>Winning Competition Entry - Assessed, Built and Published Global Positioning Satellite Station Design for Lands Department, HKSAR. Principle Designer in association with Leica Geosystems Ltd. Germany.; Hong Kong Lands Department, The Government of Hong Kong, S.A.R., Lands Dept., HKSAR, Hong Kong</td>
<td>Research Achievement</td>
</tr>
<tr>
<td></td>
<td>01-09-2006</td>
<td>Honorary Mention Award (Professional Category), International Architectural Competition ‘Celebration of Cities 2’ - UIA in collaboration with UNESCO, 2006: UIA (Union of International Architects) with UNESCO in</td>
<td>Research Achievement</td>
</tr>
</tbody>
</table>
Bibliometrics

- Article Level
- Author Level
- Journal Level
Sources for the Three:

- **Article Level**
  - Citation Count: Scopus, WoS, PubMed, etc.
  - Alt Metrics:
    - F1000, Altmetrics.com, etc
    - Download & view counts

- **Author Level**
  - Scopus AU-ID, ResearcherID, Google Scholar Citation, etc
  - Alt Metrics (cumulated to author)
    - Download & view counts

- **Journal Level**
  - Impact Factor
  - SCImago Journal & Country Rank
### Article: Gabapentin: A multimodal perioperative drug?

<table>
<thead>
<tr>
<th>Basic View</th>
<th>Metadata View</th>
<th>XML View</th>
</tr>
</thead>
</table>

**Title**
Gabapentin: A multimodal perioperative drug?

**Authors**
Kong, VKF¹
Irwin, MG ¹

**Issue Date**
2007

**Publisher**

**Citation**
British Journal Of Anaesthesia, 2007, v. 99 n. 6, p. 775-786

**Abstract**
Gabapentin is a second generation anticonvulsant that is effective in the treatment of chronic neuropathic pain. It was not, until recently, thought to be useful in acute perioperative conditions. However, a growing body of evidence suggests that perioperative administration is efficacious for postoperative analgesia, preoperative antiepileptic attenuation of the haemodynamic response to laryngoscopy and intubation, and preventing chronic post-surgical pain, postoperative nausea and vomiting, and delirium. This article reviews the clinical data describing the efficacy and safety of gabapentin in the setting of perioperative anaesthetic management. © The Board of Management and Trustees of the British Journal of Anaesthesia 2007. All rights reserved.

**ISSN**
0007-0912

**2012 Impact Factor:** 4.237

**SCImago Journal Rankings:** 1.871

**ISI Accession Number ID**
WOS:000251035100003

**References**
References in Scopus

**Author Affiliations**
1. The University of Hong Kong
Chow, BKC

Professor Chow, Billy Kwok Chong

Title: Professor, Chair of Endocrinology
Dept: School of Biological Sciences
Faculty: Faculty of Science

External Metrics

ResearcherID
Author ID: D-3064-2009
Document Count: 180
Times Cited: 2102
Co-authors: Collaboration Network
h-Index: 26

Scopus
Author ID: 7102826193
Document Count: 111
Total Citations: 2224
h-Index: 13
Co-authors: 15

BiomedExperts
URL: 239266
### Networks of Collaboration
- Visualized
- Tabulated

### External Relations
- Editorship

### University Responsibilities
- HKU Committee Appointments
- Supervision of Research Postgraduate Students

### Grants
- Principal Investigator
- Co-Investigator

### Bibliometrics
- **External Metrics**
  - Monthly Increases
  - Internal Metrics
  - Monthly Increases

#### ResearcherID
- **Author ID:** D-3064-2009
- **Document Count:** 180
- **Times Cited:** 2102
- **Co-authors:** Collaboration Network
- **h-Index:** 26

#### Scopus
- **Author ID:** 7102826193
- **Document Count:** 111
- **Total Citations:** 2224
- **h-Index:** 24
- **Co-authors:** 150

#### BiomedExperts
- **URL:** 239266
- **Co-Authors:** 105
- **Publications:** 97

#### Google Scholar
- **Author Profile URL:** kJfd3oAAAAAJ
- **Citations:** 2797
- **h-Index:** 30
- **i10-Index:** 78

---

212 publications indexed in the Hub. Of these:

- **Web of Science:** 83 are found in WoS, with 1857 citations
- **PubMed:** 106 are found in PubMed, with 260 citations
- **CiteULike:** 20 are found in CiteULike, of which 4 bookmarked.
- **F1000:** 4 are found in F1000.
<table>
<thead>
<tr>
<th>Title</th>
<th>Totals (as of today)</th>
<th>Increases for Oct 2013</th>
<th>Increases for last 3 months</th>
</tr>
</thead>
<tbody>
<tr>
<td>A functional variable number of tandem repeats is located at the 5’ flanking region of the human secretin gene plays a downregulatory role in expression</td>
<td>4</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Agnathan VIP, PACAP and Their Receptors: Ancestral Origins of Today’s Highly Diversified Forms</td>
<td>2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>An Activator Protein 1-Like Motif Mediates 17β-Estradiol Repression of Gonadotropin-Releasing Hormone Receptor Promoter via an Estrogen Receptor α-Dependent Mechanism in Ovarian and Breast Cancer Cells</td>
<td>18</td>
<td>4</td>
<td>1</td>
</tr>
<tr>
<td>An indispensable role of secretin in mediating the osmoregulatory functions of angiotensin II</td>
<td>7</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>Aspartic acid scanning mutation analysis of a goldfish growth hormone-releasing hormone (GHRH) receptor specific to the GHRHsalmon-like peptide</td>
<td>8</td>
<td>8</td>
<td>1</td>
</tr>
<tr>
<td>Bile acids inhibit duodenal secretin expression via orphan nuclear receptor small heterodimer partner (SHP)</td>
<td>5</td>
<td>5</td>
<td>2</td>
</tr>
<tr>
<td>Central and peripheral administration of secretin inhibits food intake in mice through the activation of the melanocortin system</td>
<td>14</td>
<td>10</td>
<td>3</td>
</tr>
<tr>
<td>Characterization of a new upstream GnRH receptor promoter in human ovarian granulosa-luteal cells</td>
<td>37</td>
<td>34</td>
<td>1</td>
</tr>
<tr>
<td>Characterization of a novel cellular retinoic acid/retinol binding protein from shrimp: Expression of the recombinant protein for immunohistochemical analysis</td>
<td>14</td>
<td>15</td>
<td>2</td>
</tr>
</tbody>
</table>
HKU Researcher
Professor Bacon-Shone, John Hugh
Associate Dean of Social Science
Dept: Social Sciences
Research Ctr

AND

Cognate Researcher
Dr Wong, Chit Ming
Associate Professor
Dept: Dept of Community Medicine

SHARE

Research Facets
- Keywords (grants): 2
- Awards: 1
- Publications: 5
- Co-investigators: 6

Degree of Separation
- Co-authors: 3
- Co-investigators: 2
- Keywords in grants: 0

Wong, Chit Ming
Identity Management

- The Individual Scholar
  - Google Scholar Citation
  - ImpactStory, ResearchGate, etc
  - Maintain ResearcherID & ORCID

- Library
  - Scopus cleanup
  - ResearcherID
  - ORCID
Mr. Palmer, David T

Title
Associate University Librarian (Digital Strategies & Technical Services)
Principal Investigator, The HKU Scholars Hub

Dept:
University Libraries

Curriculum Vitae
Download

Research Interests:
(Click to check for cognate researchers)

My URLs:
- Institutional Repositories
- Bibliometrics
- Open Access
- http://orcid.org/0000-0001-5616-4635
- Google Scholar Citations
- LinkedIn

Also Cited As:
- Palmer, David T
- Palmer, D

Follow by Email Alert
Follow by RSS Feed
The University of Hong Kong ORCID Record Creation

In October 2013, The University will create ORCID records for HKU faculty that now have a HKU ResearcherPage in The HKU Scholars Hub – usually staff with UGC status of A ~ I, sometimes O. These faculty could choose to opt-out and no ORCID will be created for them. If you already have an ORCID record, please click “Provide Existing ORCID” to allow us to associate your HKU ResearcherPage with your ORCID identifier.

If you prefer to manually create your own ORCID record, you may click on, “Go to ORCID, Manually Create”. After you do so, could you please return to this page, and click on “Provide Existing ORCID”, and input your new ORCID id there.

Other HKU faculty and students wishing an ORCID record can also go to ORCID and manually create one for themselves.

Please note that publishers have begun asking for ORCID identifiers during the manuscript submission process, and there are several benefits to getting an ORCID id, which will follow you throughout your scholarly career. For more information visit http://hub.hku.hk/orcid/about.jsp.

Provide Existing ORCID  Opt-Out of ORCID  Go to ORCiD. Manually Create

(You will be prompted for your HKU Portal username/pin with a simple form to complete the process)
Add information to a user’s ORCID record

3rd party system

ORCID

User’s browser

Sign in/Register

Select information to send

Authorize

Scope & client ID

OAuth code

Authorization code

Access token

GET the user’s record

Access token & user ID

ORCID record

POST updated record

Access token, user ID & updated record

Update record

Confirmation the information has been added

User’s updated ORCID record

Confirm
Library Developed & Managed.., Why?

• In support of scholars & university,
  – More to curate than publications
• In the meantime,
  – Decline of print cataloguing
  – Re-purposing & re-training
  – All Hub metadata curated by the Cataloguing Dept
• Future proofing the library,
  – Cyberinfrastructure,
  – E-Science, E-Research
  – Digital Humanities
Takanori Hayashi

Cataloging and Preservation Section
Agriculture, Forestry and Fisheries Research Information Technology Center (AFFRIT), JAPAN

Review of the Mendeley Institutional Edition for supporting and collaborating with researchers
Mission of AFFRIT

- Support research activity in agriculture, forestry and fisheries science.
  - National research institute
  - University
  - Farmer
- Provide any service to need for research at all layers
  - Network infrastructure
  - Server hardware, application software
  - Contents like bibliographic databases
Our researchers are everywhere

Over 4,000 researchers in over 100 stations
**Researcher needs**

- Have many subjects
- Collaborate other researcher have another subject.
- Want to know about collaborator's profile and research result
- Want to know the impact of own article

To need a collaborative research environment
Librarian needs

• To analyze and evaluate journals
  – We can get access count of electronic journals via COUNTER
  – Is it REAL count?
  – “Access” is different from “read”? Also “cited” or “saved”?
• Make contact with a researcher directly
  – To support and know needs about our service
• To know the impact of our researchers’ articles
  – Librarian must know researchers’ activities to update our services
  – Cannot evaluate by only access log
Example 1: How to evaluate this article?


- Number of cited
  - Google Scholar: 5
  - Web of Science: (no hit)

- Number of tweets by ImpactStory
  - Google Scholar: 14 Topsy influential tweets
  - Web of Science: 103 Topsy tweets

This article was published in 2006 and no one accessed it. But after March 11, 2011, the day of the Great East Japan Earthquake and accident at the Fukushima-Daiichi nuclear power generation plant, this paper's access count increased every day. The cause of the increase: A researcher who is a physics specialist tweeted it and then everyone retweeted. But we cannot know this article’s impact by access log of website.
Example 2: How to know REAL needs?

- We send information by email and website, but no responses in many cases
- Researcher say one’s real intention at a social network, like Twitter.
  - How can we hear their voices? – We dive into social networks

Formal information (News by email, website…)

Informal conversation (Twitter)

I use Endnote now

I will use it

Share an article with colleague

We will start to trial Mendeley. What do you think?

I use it

Share an article with colleague
Mendeley social function

- “Contact” function
  - Like “Friends” function of Facebook
  - Short messaging, update information
  - We can know researcher’s activity

Connected to new friend
Published new article
Mendeley group function

- “Group” function for sharing an article
  - “Public group” everyone can see
  - “Private group” only group members can see

Group members can add articles to group and get updated information
Analyzing function of Mendeley Institutional Edition (MIE)

Reading
- What members are reading
  - Top journals
  - Highly read articles

Publishing
- What members are publishing
  - Top journals
  - Members who have published the most

Impact
- Readership of members' publications
  - Highly read publications
  - Members with the most readers

Social
- What members participate in Mendeley groups
Analysis of some usage reports

• From analyzing function of MIE
  – How many researchers want to publish their own articles?
  – How many and what researchers participate in Mendeley groups?
  – What is the impact of an article submitted using the publishing function of Mendeley by our researcher?
• Compare the impact of the Mendeley with altmetrics
  – What is the impact in the other service?
  • At altmetrics.com, saved article at Mendeley, CiteULike and other services score low. Those mentioned by science blogs, Facebook, Twitter score high.
Results

- Mostly all researchers use Mendeley for reference management, 41 (40%) of researchers use it as a publishing platform
  - 38 (95%) researchers using the Mendeley Publishing function get over 3,600 users
  - 223 (95%) articles that publishing from the Mendeley can get a reader
- Check altmetrics by bookmarklet from Mendeley article web page
  - 20 (8%) articles publishing from Mendeley have an altmetrics score
- 33(31%) researchers participate in 23 groups
  - Make AFFRIT MIE group to support users and test sharing of articles
    - Only 6 researchers participate AFFRIT MIE group
Conclusion

• Our Mendeley users are not social, stand alone now
  – Our researchers use the Mendeley group function to get and share articles; however, they are not using it yet to collaborate on research projects.
  – Librarian can know researcher’s activity by contact function
• Mendeley publishing function expand the possibilities to show researchers activity and impact
  – 40% researchers publish own article and they can get a reader
  – Cannot get much altmetrics score
• MIE analyzing function provide new viewpoint of impact
  – Is Mendeley readership statics close to actual readers than COUNTER? Not only reading, but also saving an article.
How librarians are raising researchers' reputations (Asia-Pacific focus)
An exploration of academic networks, profiles and analysis

Dr. Amberyin Thomas, Manager, Scholarly Publications, The University of Queensland Scholarly Publications and Digitisation Services, Australia

David T. Palmer, Associate University Librarian & Digital Strategist, The University of Hong Kong Libraries, Hong Kong
dtpalmer@hku.hk

Takanori Hayashi, Chief of the Cataloging and Preservation Section, Agriculture, Forestry and Fisheries Research Information Technology Center, Japan

Thank You!
Thank you for joining us for this Library Connect Webinar