

September 2005

Digital Commons Presentation for Chemistry Department Faculty

Paul Royster

University of Nebraska-Lincoln, proyster@unl.edu

Follow this and additional works at: <http://digitalcommons.unl.edu/chemistryinfo>



Part of the [Chemistry Commons](#)

Royster, Paul, "Digital Commons Presentation for Chemistry Department Faculty" (2005). *Department Information -- Chemistry*. 2.
<http://digitalcommons.unl.edu/chemistryinfo/2>

This Article is brought to you for free and open access by the Chemistry, Department of at DigitalCommons@University of Nebraska - Lincoln. It has been accepted for inclusion in Department Information -- Chemistry by an authorized administrator of DigitalCommons@University of Nebraska - Lincoln.

This is a text-only version of the PowerPoint presentation.

To see the PowerPoint file, go back 1 click and select the supplemental file with the “.ppt” extension

Digital Commons digitalcommons.unl.edu

Digital Commons is:

- an “institutional repository” (IR)
- a resource for scholarly communication
- an opportunity for electronic publishing

What does it contain?

- published articles, reports, essays, books, reviews
- conference presentations, papers, and proceedings
- theses and dissertations
- unpublished working papers
- teaching materials (“learning objects”)
- electronic journals
- department records and archives

The “institutional repository” (IR)

- receives and archives one electronic copy
- preserves this copy permanently in the UNL Libraries collections
- migrates the data as formats evolve
- provides and controls electronic access
- creates a stable URL with a unl.edu address

Electronic Publishing

- places scholarly publication tools directly in the hands of the faculty
- requires only MS Word, a browser, and an email address
- each publication series is controlled by its own editor or editorial board
- no limits on article length or number, size, or colors of illustrations
- access can be open or restricted to a subscription list

Applications

- Faculty can publish their work electronically on the Internet
- Scholars can share materials among a restricted group
- UNL units can archive electronic records and documents

- Library can build and manage digital collections

Benefits to scholars: Your work

- becomes accessible immediately, 24/7, worldwide
- becomes visible to common search engines (such as Google)
- gets viewed and cited more frequently
- can attract collaborators or supporters
- is identified with your name and date of submission
- is collected in one place
- has a permanent link-able home

Who controls the copyright ?

- the author or author-entity
- the party to whom copyright may have been sold, transferred, or licensed by the author
- not the library
- not the university (unless by separate agreement)

Rights to published works

- 92% of journals allow pre-publication posting to an IR
- 60% of journals allow post-publication posting
- most publishers will grant permission to authors for deposit in their home institution's repository

Publishers who allow some form of self-archiving:

- American Economics Association
- American Institute of Physics
- American Mathematical Society
- American Psychological Association
- Am. Soc. of Biochemistry and Molecular Biology
- American Society of Plant Biologists
- Annual Reviews
- Arnold Publishers
- BioMed Central
- Biophysical Society
- Blackwell
- BMJ Publishing Group

.CAB International
.Cambridge University Press

Chemistry Journals that DO allow IR posting (54):

Academic Press (books, division of Elsevier)
Acta Crystallographica (Blackwell)
Aldrichimica Acta (Sigma-Aldrich)
Analytical Biochemistry (Elsevier)
Angewandte Chemie International Edition (Wiley)
Applied and Environmental Microbiology (Am Soc for Microbiology)
Applied Surface Science (Elsevier)
Biochemical and Biophysical Research Communications (Elsevier)
Biochimica et Biophysica Acta (Elsevier)
Biophysical Journal (Biophysical Soc.)
Cambridge University Press
Cell (Cell Press of Elsevier) toll-free link after 12 month embargo
Chemical Communications (Royal Society of Chemistry)
Chemical Physics Letters (Elsevier)
European Journal of Inorganic Chemistry (Wiley)
FEMS Microbiology Letters (Elsevier)
Inorganic Chemistry Communications (Elsevier)
Journal of Biochemical and Biophysical Methods
Journal of Biological Chemistry (Am Soc Biochem & Molec Bio)
Journal of Chemical Physics (Am Inst Physics)
Journal of Chromatography (A & B) (Elsevier)
Journal of Computational and Applied Mathematics (Elsevier)
Journal of Electroanalytical Chemistry (Elsevier)
Journal of Environmental Monitoring
Journal of Magnetic Resonance Imaging (Wiley)
Journal of Microbiological Methods (Elsevier)
Journal of Molecular Biology (Elsevier)

Chemistry Publishers who allow IR posting:

American Association for the Advancement of Science
American Institute of Physics
American Physical Society
American Society for Biochemistry & Molecular Biology
American Society for Microbiology

Biophysical Society
Blackwell
Cambridge University Press
Elsevier
John Wiley & Sons
National Academy of Sciences
Nature Publishing Group
Oxford University Press
Royal Society of Chemistry
Springer Verlag
Taylor & Francis

Publishers who do NOT allow self-archiving:

•American Chemical Society

Madeleine Jacobs, Executive Director

m_jacobs@acs.org

William Carroll, President, ACS;

c/o Occidental Chemical Corporation, Dallas, TX

bill_carroll@oxy.com

Robert Bovenschulte, Director, ACS Publications Division

rbovenschulte@acs.org

ACS will allow you to post:

- title
- abstract
- tables
- figures
- links

American Chemical Society

- A \$408 million-dollar business (2004)
- Publisher of 35 journals, producing \$332 million in revenue (81%)
- An active lobbying organization
- 158,000 members
- Membership =
 - 67% industry
 - 25% academic
 - 8% government

ACS Journals

Accounts of Chemical Research

Analytical Chemistry

Biochemistry

Bioconjugate Chemistry

Biomacromolecules

Biotechnology Progress—Copublished with the Am. Inst. of Chem. Engineers

Chemical & Engineering News

Chemical Research in Toxicology

Chemical Reviews

Chemistry of Materials

Crystal Growth & Design

Energy & Fuels

Environmental Science & Technology

Industrial & Engineering Chemistry Research

Inorganic Chemistry

Journal of Agricultural and Food Chemistry

Journal of the American Chemical Society

Journal of Chemical & Engineering Data

Journal of Chemical Information and Modeling

Journal of Combinatorial Chemistry

Journal of Medicinal Chemistry

Journal of Natural Products—Copublished with the Am. Soc. of Pharmacognosy

The Journal of Organic Chemistry

The Journal of Physical Chemistry A

The Journal of Physical Chemistry B

Journal of Proteome Research

Langmuir

Macromolecules

Molecular Pharmaceutics

Nano Letters

Organic Letters

Organic Process Research & Development

Organometallics

Journal subscription costs (for libraries) average \$1,640 per year.

max= J. Phys Chem \$4,274, min= Accts Chem Res \$568

What the IR wants: CONTENT

- all of your published articles, or as many as you can muster
- conference papers, presentations, speeches, interviews, etc.
- U.S. patents
- working papers, field notes, ...
- works in submission
- honors theses or projects
- updated data-sets or addenda

A cybernetic experiment:

- Google your article title and see what you get.
- Is there a free-access, full-text version listed in the top 10 results?
- If not, then the Digital Commons can help you put one there.

“But my article is already online . . .”

Is it . . .

- Free? Or behind a wall--for paid users only?
- Available off-campus, in hotels, airports, internet cafes?
- Available in Delhi, Lagos, Beijing, or Bagdad?
- At its own linkable URL, or at the end of a Java search syntax?
- Indexed by Google?
- Contributing to the unl.edu domain?
- Downloadable by your mother?

“Article” page structure

Site structure

How do I get started ?

- Log in to register (your email address is your ID) and receive a password at <http://digitalcommons.unl.edu/cgi/myaccount.cgi>
 - Find the series where you want to post
 - Click the “Submit” link and begin uploading files
- Submitting an article takes less than 2 minutes.*

To establish a new series:

- Decide its affiliation or sponsoring “community” (department, school, college, etc.)
- Give the series a name
- Recruit or volunteer the series editor(s)
- Decide who may view materials
- Email the information to proyster@unl.edu

Costs

- There are **no costs** to the publishing unit.
- Hardware, set-up, programming, maintenance, and support costs are paid by the UNL Libraries.

Contact

Paul Royster
Coordinator of Scholarly Communications
UNL Libraries
306 Love Library
402 472-3628

email: proyster@unl.edu

site: <http://digitalcommons.unl.edu/>