



Davis Division Academic Senate

Request for Consultation Responses

Establishment Proposal - Environmental Policy and Management

April 27, 2015

A proposal to establish a new graduate group and MS degree program in Environmental Policy and Management is submitted for feedback to inform Graduate Council review.

Library

April 24, 2015 10:15 AM

Response continued on next 10 pages.

Date: April 27, 2015

Re: Establishment Proposal – Graduate Group and MS Degree in Environmental Policy and Management

In order to provide a solid basis for its response, the Library Committee asked University Librarian, MacKenzie Smith, to have her staff prepare an assessment of the adequacy of existing library resources for the proposed Graduate Group and MS Degree in Environment Policy and Management and to identify potential financial and service implications the proposed program could have on the Library. The assessment is appended to this response.

The Committee has reviewed the proposal of the Graduate Group and MS Degree, its accompanying documents and the library's analysis of the program. While the Library Committee supports the overall proposal, the Committee notes that the Library's analysis indicates additional resources, such as additional journal subscriptions, may need to be purchased to adequately support the new program. The Committee is unclear if the library or the program will cover any potential costs the library may incur as a result of the new program. Should new subscriptions or more support staff be needed for the Graduate Group and MS degree, additional library funding will be needed.

To: MacKenzie Smith, University Librarian
 From: Beth Callahan, Research Services; Myra Appel, Collection Strategies; Robin Gustafson, Access & Delivery Services; Peg Durkin, Public Services, Law School
 Date: April 9, 2015
 Re: Letter of support for the new Graduate Group and M.S. Degree Program in Environmental Policy

We are writing this letter of support to provide background information on the Library's collections and services and prospective resources needed to support the proposed Graduate Group and M.S. Degree Program in Environmental Policy. We look forward to continuing our collaborative partnership through the strong links created with new and existing faculty and students.

LIBRARY SPACE

The Shields Library offers generous study space with opportunities for quiet study areas as well as group and collaborate work. Group study rooms are available on a first come, first serve basis. Portable and rolling whiteboards are available for checkout from the Reserves Service Desk. Graduate carrels are available first to PhD students who advance to candidacy, then to other PhD candidates, and then to Masters students depending on availability.

RESEARCH SERVICES

Environmental Science and Policy (EPM) master's students will likely be interested in many of the services the University Library already provides for other graduate programs such as integrated library sessions for the required graduate coursework, EndNote classes, and consultations on literature research.

With the anticipation to have a maximum enrollment of 40 graduate students in this proposed MS program, and based upon the experience of working with a similar number of graduate students in the GGE (Graduate Group in Ecology), we expect an increase in demand for librarian consultation time. Librarian availability in this area is stretched thin and, in particular, there is no librarian with skills to support the expected GIS needs of these EPM master's students. By coincidence, the University Library has started the process for recruitment for a new librarian position to support environmental sciences. The formation of this new M.S. program will be an excellent opportunity for the proposed environmental sciences librarian to collaborate with the major faculty involved with the ESM MS to create integrated library instruction across the curriculum to support the new classes and projects in this Environmental Policy and Management area.

Service	# of sessions needed	Total contact time	Cost @ \$52 per hour (1 librarian)
Introduction to Library Services and EPM Resources	2	2 hours	\$ 104
Basic Endnote	2	2 hours	\$ 104
Advanced Research Skills Class; including advanced Endnote	2	2 hours	\$ 104
Consultation service for advanced Endnote	40	40 hours	\$2,080

Total	46	46	\$2,392
-------	----	----	---------

DOCUMENT DELIVERY SERVICES

The Library's services provide onsite and online access as well as delivery of information that meets the evolving needs and expectations of our users for learning, research, teaching, creativity, and intellectual growth. Shields Library offers a robust suite of document delivery services which students are encouraged to use in support of their studies and research. This service is available due to both our collection strengths and longstanding cooperative agreements with libraries worldwide and is a mainstay for the UCD libraries. The impact of the increased number of document requests, by these new students, is not expected to add significantly to the current workload such that additional staffing or equipment would be required.

LIBRARY COLLECTIONS

Mabie Law Library

There are several databases that the Mabie Law Library subscribes to that are available to the general campus and others that are restricted by IP address to use in the School of Law, King Hall. Many of these would be of interest to the graduate students in the EPM program.

For example, the Law Library has contracted for HeinOnline and LoisLaw to be available campus-wide. HeinOnline furnishes access to complete historical runs of the Statutes at Large, U.S. Code, Federal Register, Code of Federal Regulations and Congressional Record. HeinOnline also allows access to federal legislative history materials for major federal legislation. LoisLaw is a new acquisition for the Law Library; it will include many secondary titles in a wide variety of topic areas.

Additionally, the Law Library subscribes to a number of environmental online resources that require license agreements. While the licenses restrict access to law library IP addresses, and are not available remotely by non-law school affiliates, they can be accessed by anyone from terminals in King Hall. For example, the Bureau of National Affairs (BNA) which is part of Bloomberg publishes the following environment related titles:

- Daily Environment Reporter
- Environment & Safety Library
- Environmental Due Diligence Guide
- Federal Environment & Safety Regulatory Monitoring Report
- International Environment Reporter
- State Environment Daily
- State Environment & Safety Regulatory Monitoring Report.

The Continuing Education of the Bar (CEB), publishes legal commentaries specific to California law. The law library has a comprehensive set of the CEB publications in paper. The titles are also available through the publishers own database, CEB OnLaw which is restricted to law school IP addresses. The titles include: Practice Under the California Environmental Quality Act, California Subdivision Map Act and the Development Process, and California Land Use Practice.

In addition to the above mentioned resources the law library subscribes to three major comprehensive commercial online legal research services in support of its teaching, research and scholarship mission: LexisAdvance, WestlawNext and BloombergLaw. All three services provide access to primary legal

resources such as statutes, regulations and decisions by courts and administrative agencies. Each service also provides access to secondary publications i.e. books and full-text periodicals, which all topically cover environmental law. However, the licenses to the above databases restrict use to law school faculty, staff and students. If these databases are important to the teaching, research and scholarship of the EPM students, the campus may need to explore licensing options to extend access.

University Library

The University Library holds robust and diverse collections in Environmental Sciences, Ecology, Environmental Toxicology, and Environmental Engineering. Collections support research and instruction in the academic departments, the research facilities/centers and graduate groups (for example, John Muir Institute of the Environment; Graduate Group in Ecology; Center for Environmental Policy and Behavior; Policy Institute for Energy, Environment and the Economy; Information Center for the Environment; Bodega Marine Laboratory; and the Institute of Transportation Studies to name but a few). Responsive to the campus focus on Green and Sustainable environment and infrastructure, the Library has emphasized building collections to reinforce these campus initiatives. With some exceptions, the library holds the breadth and depth of resources required to accommodate a new M.S. degree program in EPM.

In assessing the EPM (general and specific) major databases, the library provides access to a more than adequate selection of discovery resources:

- Environmental Sciences & Pollution Management
 - ASFA 3: Aquatic Pollution and Environmental Quality
 - Biotechnology Research Abstracts
 - Ecology Abstracts
 - Environmental Engineering Abstracts
 - Health and Safety Science Abstracts
 - Industrial and Applied Microbiology Abstracts (Microbiology A)
 - Bacteriology Abstracts (Microbiology B)
 - Pollution Abstracts
 - Risk Abstracts
 - Sustainability Science Abstracts
 - Toxicology Abstracts
 - Water Resources Abstracts
- BIOSIS
- Environmental Impact Statements (digest and selected full-text)
- National Technical Reports Library (NTRL)
- Web of Science
- CAB Abstracts
- Compendex
- PAIS (Public Affairs Information Service)
- Environment & Energy Publishing (E&E) publications **
 - EnergyWire, ClimateWire, GreenWire, E&E Daily, E&E News PM, E&E TV
- LexisNexis Academic
- Factiva

- Heinonline (funded by the Law Library)
- CQ Electronic Library/Political Reference Suite
- Business Source Complete
- Scopus
- GreenFILE
- Library Catalogs: WorldCat, Melvyl, Harvest

In assessing the top 20 journal titles in Environmental Studies, Environmental Sciences, Ecology, Transportation Science & Technology, Toxicology, and Environmental Engineering (based on 2013 JCR 5-year impact rankings), the library again provides access to most major journals that address the needs of an M.S. program in EPM. Appended are the lists of JCR impact ranked titles in the fields most closely relevant to EPM. Titles that the Library does not currently subscribe to are highlighted in yellow. The following is subset of titles that should be considered for adding in support of the new program:

- Global Environmental Change-Human and Policy Dimensions (*access via ScienceDirect Freedom Collection; suggest we do not subscribe as long as part of the Freedom Collection*) **List Price: \$1543**
- Wiley Interdisciplinary Reviews-Climate Change (*suggest we subscribe*) **List Price: \$2321**
- Regional Environmental Change (*suggest we subscribe*) **List Price: \$803**
- Nanotoxicology (*suggest we subscribe*) **List Price: \$2398**
- Critical Reviews in Toxicology (*suggest we subscribe*) **List Price: \$3054**
- Greenhouse Gases-Science and Technology (*suggest we subscribe*) **List Price: \$1726**
- Stochastic Environmental Research and Risk Assessment (*suggest we subscribe*) **List Price: \$2109**
- Environmental Chemistry Letters (*would suggest we do not subscribe unless demand emerges*) **List Price: \$577**

The Shields Library cancelled an important print title in 2002, Environmental Law Reporter (**List Price \$3750**), which is now accessible online (2002-present) only to UC Davis Law school affiliates and all others can access only from the Mabie Law Library public workstations. This title is important enough that we recommend adding online access for the entire campus.

An additional title which we've had requests to re-instate is the Taylor & Francis "Climate Policy" (**List Price \$1077**) journal which is ranked 50/98 in the Environmental Studies title ranking. A newer 2010 title which has a unique focus, Climate Change Economics (**List Price \$544**), would also be a title to add.

In addition, new faculty hires often submit specific title requests to the library within their first year on campus.

We note that many journal resources supporting our excellent conservation biology and restoration ecology departments/programs will be of great importance to M.S. students in EPM. A quick review of faculty and researchers cited in the proposed program file shows that many of these faculty publish in journal titles in these areas, particularly Conservation Biology, Biological Conservation, Conservation Letters. The University Library has exceptional depth of collection in

these areas. We also have a very rich collection supporting the ARE (Agricultural and Resources Economics) department which includes two top publications for the ESP faculty to publish in: Journal of Environmental Economics and Management and Environmental & Resource Economics.

UC Davis University Library is one of only two UC libraries (the other is UCB) which licenses the complete collection of BioOne publications. These titles include essential regional environment and ecosystem titles which will be important to the proposed EPM program.

Although the Library maintains a strong monographic collection on environmental policy and management, new faculty hires will bring innovative new areas of research and interdisciplinary approaches. With the volume of monographs published on these topics, the Library anticipates that we will need to expand our collecting scope by approximately **\$5000 annually** to enlarge our acquisition profiles.

Environmental Sciences is also one of the major disciplines with extensive output in the audiovisual publishing arena. The UC Davis University Library has only been able to be very highly selective in purchases of documentaries in the environmental sciences area. The university library is currently investigating a possible option of purchasing streaming media which will be very well used in the environmental sciences.

An important part of the University Library collections to support EPM areas are the essential government documents resources including EPA documents and international as well as U.S., state and regional government publications.

New faculty and their graduate students potentially will require access to data sets, data support and GIS services. Although the needs currently are not yet clearly identified and articulated, a mature EPM graduate program will require a combination of content resources, software, equipment and services that also will enhance library support to Environmental Sciences and Engineering. The cost is yet to be determined.

Should the demand arise and existing licensing and cost be advantageous, we can also foresee collaborating with the Mabie Law Library for content already subscribed to by the Law Library.

In sum, Library Collections resources are fairly well-situated to meet the needs of an M.S. program in EPM. The addition of a few journal subscriptions and a broader collecting scope for monographs will enrich library support for the new M.S. degree program, while also strengthening support for all UC Davis environmentally focused programs.

**** We currently have a one year trial agreement with E&E and would suggest that given this product's strength centers on environmental and energy policy that we should strongly consider formalizing our arrangement/subscription. An annual subscription for UC Davis, based on 2014/2015 fees, is **\$5000** with anticipated **7% - 10% increases annually**.**

Environmental Studies, 5 year JCR

Rank	Abbreviated Journal Title <i>(linked to Journal Information)</i>	ISSN	JCR Data					Eigenfactor™ Metrics			
			Total Cites	Impact Factor	5-Year Impact Factor	Immediacy Index	Articles	Cited Half-life	Eigenfactor™ Score	Article Influence™ Score	
1	NAT CLIM CHANGE	1758-678X	2871	15.295	15.327	2.994	158	1.6	0.02107	8.105	
2	ANNU REV ENV RESOUR	1543-5938	1865	5.056	8.31	0.211	19	7.1	0.00496	3.425	
3	GLOBAL ENVIRON CHANG	0959-3780	6195	6	8.046	0.834	163	5.6	0.01654	2.546	
4	WIRES CLIM CHANGE	1757-7780	801	4.402	4.602	0.326	43	2.8	0.00545	1.914	
5	J ENVIRON PSYCHOL	0272-4944	3448	2.172	4.294	0.243	70	9.6	0.00549	1.401	
6	ECON ECON	0921-8009	11775	2.517	4.002	0.614	246	6.5	0.02719	1.271	
7	ECON SOC	1708-3087	4521	2.669	3.889	0.849	192	5.4	0.01186	1.174	
8	REV ENV ECON POLICY	1750-6816	401	3.355	3.787	1.625	16	3.9	0.00312	2.342	
9	ENERG POLICY	0301-4215	18983	2.696	3.402	0.343	1018	4.7	0.04898	0.854	
10	J ENVIRON ECON MANAG	0095-0696	3749	2.522	3.398	0.42	69	>10.0	0.00859	2.113	
11	TOURISM MANAGE	0261-5177	5352	2.377	3.382	0.37	154	7.1	0.0075	0.754	
12	LAND USE POLICY	0264-8377	2936	3.134	3.314	0.764	297	4.5	0.00722	0.866	
13	LANDSCAPE URBAN PLAN	0169-2046	6203	2.606	3.184	0.42	150	7.2	0.00967	0.816	
14	PROG PLANN	0305-9006	324	3.062	3.15	0.25	8	9	0.00076	1.134	
15	MAR POLICY	0308-597X	3283	2.621	2.948	0.827	266	4.6	0.00825	0.757	
16	GLOBAL ENVIRON POLIT	1526-3800	778	1.808	2.921	0.433	30	6.1	0.00247	1.167	
17	ENVIRON IMPACT ASSES	0195-9255	1900	2.046	2.859	0.443	70	7.3	0.00295	0.674	
18	CORP SOC RESP ENV MA	1535-3958	582	2.054	2.804	0.077	26	5.1	0.00129	0.543	
19	ENVIRON PLANN D	0263-7758	2112	1.729	2.596	0.179	67	8	0.00607	1.269	
20	REG ENVIRON CHANGE	1436-3798	905	2.26	2.564	0.526	114	3.1	0.00308	0.782	

Environmental Sciences, 5 year JCR

Rank	Abbreviated Journal Title <i>(linked to journal information)</i>	ISSN	JCR Data							Eigenfactor® Metrics	
			Total Cites	Impact Factor	5-Year Impact Factor	Immediacy Index	Articles	Cited Half-life	Eigenfactor® Score	Article Influence® Score	
1	NAT CLIM CHANGE	1758-678X	2871	15.295	15.327	2.994	158	1.6	0.02107	8.105	
2	ENERG ENVIRON SCI	1754-5692	22428	15.49	15.263	3.36	372	2.3	0.08724	3.78	
3	FRONT ECOL ENVIRON	1540-9295	5362	8.412	10.23	1.284	67	5.7	0.01914	4.27	
4	GLOBAL CHANGE BIOL	1354-1013	22987	8.224	8.595	1.631	312	5.9	0.06793	3.124	
5	ANNU REV ENV RESOUR	1543-5938	1865	5.056	8.31	0.211	19	7.1	0.00496	3.425	
6	GLOBAL ENVIRON CHANG	0959-3780	6195	6	8.046	0.834	163	5.6	0.01654	2.546	
7	ENVIRON HEALTH PERSP	0091-6765	31363	7.029	7.607	1.649	208	8.1	0.05479	2.364	
8	GLOBAL BIOGEOCHEM CY	0886-6236	11838	4.528	6.304	0.664	107	9.4	0.02418	2.846	
9	ENVIRON SCI TECHNOL	0013-936X	105646	5.481	6.277	0.734	1689	6.9	0.20302	1.698	
10	WATER RES	0043-1354	49606	5.323	6.092	0.847	675	8.3	0.07533	1.561	
11	REMOTE SENS ENVIRON	0034-4257	26597	4.769	6.065	1.02	302	8.4	0.04237	1.68	
12	ENVIRON INT	0160-4120	10171	5.664	6.022	0.683	180	6.5	0.02174	1.71	
13	CONSERV BIOL	0888-8892	17277	4.32	5.427	0.884	147	>10.0	0.02503	2.03	
14	J TOXICOL ENV HEAL B	1093-7404	1247	5.146	5.422	0.357	14	5.9	0.00306	1.581	
15	ECOL APPL	1051-0761	17219	4.126	5.15	0.748	147	9.1	0.03214	2.001	
16	J HAZARD MATER	0304-3894	55367	4.331	5.123	0.525	842	4.6	0.13769	1.079	
17	J ENVIRON SCI HEAL C	1059-0501	499	2.5	5.05	0.231	13	5.3	0.00127	1.273	
18	REV ENVIRON CONTAM T	0179-5953	1338	3.632	4.736	0.565	23	7.9	0.00273	1.489	
19	CLIMATIC CHANGE	0165-0009	11979	4.622	4.732	0.55	360	6.7	0.03386	1.937	
20	BIOL CONSERV	0006-3207	19784	4.036	4.703	0.75	384	7.5	0.04005	1.557	

Ecology, 5 year JCR

Rank	Abbreviated Journal Title <i>(linked to journal information)</i>	ISSN	JCR Data						Eigenfactor* Metrics	
			Total Cites	Impact Factor	5-Year Impact Factor	Immediacy Index	Articles	Cred Half-life	Eigenfactor* Score	Article Influence* Score
1	ANNU REV ECOL EVOL S	1543-592X	16396	10.977	19.806	0.296	27	>10.0	0.01861	9.007
2	TRENDS ECOL EVOL	0169-5347	26806	15.353	18.987	3.26	77	9.3	0.05433	8.214
3	ECOL LETT	1461-023X	20519	13.042	17.794	2	175	6.4	0.06457	7.467
4	FRONT ECOL ENVIRON	1540-9295	5362	8.412	10.23	1.284	67	5.7	0.01914	4.27
5	ISME J	1751-7362	8309	9.267	9.296	1.915	212	3.1	0.04018	3.127
6	ECOL MONOGR	0012-9615	9092	7.107	9.188	0.96	25	>10.0	0.00988	3.98
7	GLOBAL CHANGE BIOL	1354-1013	22987	8.224	8.595	1.631	312	5.9	0.06793	3.124
8	GLOBAL ECOL BIOGEOGR	1466-822X	6199	7.242	7.252	1.373	118	6	0.01715	2.548
9	METHODS ECOL EVOL	2041-210X	1731	5.322	6.587	0.978	135	2.2	0.01004	2.49
10	MOL ECOL	0962-1083	31185	5.84	6.543	1.461	414	6.8	0.06837	2.053
11	J ECOL	0022-0477	14830	5.694	6.477	1.215	149	>10.0	0.02747	2.4
12	ECOLOGY	0012-9658	52767	5	6.421	0.618	285	>10.0	0.06503	2.515
13	J APPL ECOL	0021-8901	13115	4.754	5.864	0.721	147	8.4	0.02788	2.102
14	P ROY SOC B-BIOL SCI	0962-8452	39399	5.292	5.808	1.025	513	8.2	0.09342	2.324
15	ECOGRAPHY	0906-7590	7197	4.207	5.776	0.977	132	6.8	0.01795	2.025
16	ADV ECOL RES	0065-2504	1823	6.25	5.698	5.462	13	>10.0	0.00157	1.5
17	DIVERS DISTRIB	1366-9516	4900	5.469	5.629	0.868	136	5.1	0.01642	1.967
18	EVOLUTION	0014-3820	31750	4.659	5.469	1.042	308	>10.0	0.05041	2.192
19	JANIM ECOL	0021-8790	13314	4.726	5.435	1.195	128	>10.0	0.0237	2.11
20	CONSERV BIOL	0888-8892	17277	4.32	5.427	0.884	147	>10.0	0.02503	2.03

Transportation Science & Technology, 5 year JCR

Rank	Abbreviated Journal Title <i>(linked to journal information)</i>	ISSN	JCR Data						Eigenfactor * Metrics	
			Total Cites	Impact Factor	5-Year Impact Factor	Immediacy Index	Articles	Cited Half-life	Eigenfactor * Score	Article Influence * Score
1	TRANSPORT RES-B-METH	0191-2615	5300	3.894	4.439	0.571	126	9.2	0.01133	1.696
2	COMPUT-AIDED CIV INF	1093-9687	1652	5.625	3.982	0.574	54	5	0.00385	1.015
3	TRANSPORT RES-C-EMER	0968-090X	2304	2.82	3.118	0.448	223	5.8	0.00647	1.116
4	TRANSPORT RES-E-LOG	1366-5545	2255	2.193	2.943	0.283	99	5.6	0.00716	1.056
5	IEEE T INTELL TRANSP	1524-9050	2622	2.472	2.935	0.359	181	4.7	0.00684	0.787
6	TRANSPORT SCI	0041-1655	3038	2.294	2.913	0.541	37	>10.0	0.00492	1.708
7	TRANSPORT RES-A-POL	0965-8564	3711	2.525	2.855	0.326	129	8.3	0.00799	1.12
8	IEEE T VEH TECHNOL	0018-9545	9688	2.642	2.667	0.339	436	4.8	0.0338	0.944
9	TRANSPORTATION	0049-4488	1629	1.617	2.061	0.696	56	8.3	0.0039	0.952
10	TRANSPORT RES-D-TR E	1361-9209	1666	1.626	2.04	0.206	107	6.6	0.00438	0.746
11	TRANSPORTMETRICA	1812-8602	241	2.068	2.022		0	3.7	0.00122	0.814
12	J INTELL TRANSPORT S	1547-2450	287	1.25	1.841	0.706	34	5	0.00087	0.591
13	J ADV TRANSPORT	0197-6729	450	1.878	1.793	0.178	45	6.8	0.00098	0.53
14	NETW SPAT ECON	1566-113X	517	1.803	1.64	0.65	20	6.4	0.0014	0.606
15	IEEE VEH TECHNOL MAG	1556-6072	396	1.567	1.552	0.129	31	4.8	0.00184	0.772
16	INT J ENGINE RES	1468-0874	526	1.4	1.503	0.227	44	5.8	0.0013	0.452
17	IET INTELL TRANSP SY	1751-956X	251	0.954	1.135	0.056	54	3.6	0.00122	0.367
18	J TRANSP ENG	0733-947X	2132	0.877	1.073	0.125	136	9.6	0.00402	0.431
19	TRANSPORT RES REC	0361-1981	11135	0.556	0.796	0.031	916	9.2	0.01801	0.248
20	P I MECH ENG-F-J-RAI	0954-4097	483	0.743	0.79	0.183	60	6.5	0.00117	0.278

Toxicology, 5 year JCR

Rank	Abbreviated Journal Title <i>(linked to Journal Information)</i>	ISSN	JCR Data							Eigenfactor® Metrics	
			Total Cites	Impact Factor	5-Year Impact Factor	Immediacy Index	Articles	Cited Half-life	Eigenfactor® Score	Article Influence Score	
1	ANNU REV PHARMACOL	0362-1642	7373	18.523	19.845	6.731	26	9	0.01211	7.056	
2	PART FIBRE TOXICOL	1743-8977	1934	6.987	8.96	0.492	59	3.8	0.006	2.082	
3	NANOTOXICOLOGY	1743-5390	2015	7.336	7.766	1.571	77	2.8	0.00624	1.751	
4	ENVIRON HEALTH PERSP	0091-6765	31363	7.029	7.607	1.649	208	8.1	0.05479	2.364	
5	MUTAT RES-REV MUTAT	1383-5742	2820	7.326	7.585	0.8	25	6.4	0.00678	2.379	
6	CRIT REV TOXICOL	1040-8444	3232	6.414	6.341	0.595	37	7.7	0.00528	1.714	
7	JTOXICOL ENV HEAL B	1093-7404	1247	5.146	5.422	0.357	14	5.9	0.00306	1.581	
8	JENVIRON SCI HEAL C	1059-0501	499	2.5	5.05	0.231	13	5.3	0.00127	1.273	
9	TOXICOL SCI	1096-6080	15048	4.478	4.855	0.773	251	6.6	0.02824	1.26	
10	REV ENVIRON CONTAM T	0179-5953	1338	3.632	4.736	0.565	23	7.9	0.00273	1.489	
11	ARCH TOXICOL	0340-5761	5210	5.078	4.41	1.493	146	5.8	0.00889	0.954	
12	TOXICOL APPL PHARM	0041-008X	16853	3.63	4.163	0.707	376	7.7	0.02663	1.021	
13	CHEM RES TOXICOL	0893-228X	11018	4.19	4.122	0.639	191	7.1	0.02025	1.056	
14	AQUAT TOXICOL	0166-445X	10343	3.513	3.948	0.644	298	7	0.01711	0.973	
15	TOXICOLOGY	0300-483X	12317	3.745	3.884	0.656	212	8	0.01749	0.943	
16	DRUGS	0012-6667	8564	4.133	3.823	0.632	144	9	0.01376	1.082	
17	MUTAGENESIS	0267-8357	3266	3.497	3.798	0.613	80	7.1	0.0056	0.906	
18	TOXICOL LETT	0378-4274	11769	3.355	3.706	0.659	267	6.9	0.01985	0.868	
19	DNA REPAIR	1568-7864	5092	3.362	3.679	0.6	120	5.8	0.01977	1.7	
20	FORENSIC TOXICOL	1860-8965	417	5.756	3.596	1	39	2.4	0.00088	0.532	

Environmental Engineering, 5 year JCR

Rank	Abbreviated Journal Title <i>(linked to Journal Information)</i>	ISSN	JCR Data					Eigenfactor® Metrics		
			Total Cites	Impact Factor	5-Year Impact Factor	Immediacy Index	Articles	Cited Half-life	Eigenfactor® Score	Article Influence® Score
1	APPL CATAL B-ENVIRON	0926-3373	26457	6.007	6.423	1.571	475	5.4	0.04905	1.365
2	ENVIRON SCI TECHNOL	0013-936X	105646	5.481	6.277	0.734	1689	6.9	0.20302	1.698
3	WATER RES	0043-1354	49606	5.323	6.092	0.847	675	8.3	0.07533	1.561
4	INT J GREENH GAS CON	1750-5836	4079	3.821	5.207	0.905	315	3.3	0.01379	1.289
5	J HAZARD MATER	0304-3894	55367	4.331	5.123	0.525	842	4.6	0.13769	1.079
6	INT J LIFE CYCLE ASS	0948-3349	3231	3.089	4.297	0.681	144	5.6	0.00788	1.222
7	ENVIRON MODEL SOFTW	1364-8152	6249	4.538	4.275	1.049	224	5	0.01439	1.105
8	CHEM ENG J	1385-8947	26021	4.058	4.181	0.654	1312	3.5	0.0666	0.861
9	J CLEAN PROD	0959-6526	8939	3.59	4.088	1.011	614	4.7	0.0154	0.751
10	INDOOR AIR	0905-6947	2716	4.202	3.68	0.854	48	8.1	0.00511	1.258
11	WASTE MANAGE	0956-053X	9075	3.157	3.496	0.354	302	5.2	0.02106	0.827
12	ECOL ENG	0925-8574	6586	3.041	3.479	0.578	441	4.8	0.01233	0.722
13	GREENH GASES	2152-3878	202	3.067	3.067	0.514	35	2.1	0.00078	0.784
14	RESOUR CONSERV RECY	0921-3449	4160	2.692	3.026	0.303	145	6.2	0.00859	0.798
15	BUILD ENVIRON	0360-1323	8307	2.7	3.022	0.531	307	5.8	0.01676	0.744
16	AMBIO	0044-7447	4738	2.973	2.907	1.889	90	9.4	0.00704	1.086
17	ENVIRON GEOCHEM HLTH	0269-4042	1826	2.573	2.534	0.104	67	6.4	0.00384	0.677
18	STOCH ENV RES RISK A	1436-3240	1653	2.673	2.462	0.336	149	4.3	0.00434	0.596
19	ENVIRON CHEM LETT	1610-3653	1007	1.906	2.242	0.288	52	5	0.00227	0.523
20	J AM WATER RESOUR AS	1093-474X	3853	2.074	2.133	0.645	107	8.8	0.00645	0.771