

# **GUIDES TO ONLINE RESOURCES SCHOOL OF INDUSTRIAL TECHNOLOGY**

## **INTRODUCTION**

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## **REFERENCE**

### **Gale Virtual Reference Library**

*<http://go.galegroup.com/ps/start.do?p=GVRL&u=myusm&authCount=1>*

Gale Virtual Reference Library is a database of encyclopedias and specialized reference sources for multidisciplinary research such as arts, biography, business, education, **environment**, general reference, history, information and publishing, law, library science, literature, medicine, nation and world, religion, **science**, social Science, **technology**.

## **SUSCRIBED DATABASES**

(Accessible via USM Library's website [www.lib.usm.my](http://www.lib.usm.my))

### **Academic OneFile**

*<http://find.galegroup.com/gtx/start.do?prodId=AONE&userGroupName=myusm>*

Academic OneFile is the premier source for peer-reviewed, full-text articles from the world's leading journals and reference sources. With extensive coverage of the physical sciences, technology, medicine, social sciences, the arts, theology, literature and other subjects, *Academic OneFile* is both authoritative and comprehensive. With millions of articles available in both PDF and HTML full-text with no restrictions, researchers are able to find accurate information quickly.

### **Academic Source Premier**

*<http://web.ebscohost.com/ehost/search?vid=2&hid=101&sid=eb500692-7489-483d-baf5-0f12e799d891%40sessionmgr114>*

Academic Source Premier provides full text for nearly 4,700 publications, including full text for more than 3,600 peer-reviewed journals. PDF back files to 1975 or further are available for well over one hundred journals, and searchable cited references are provided for more than 1,000 titles. This database is updated on a daily basis.

### **Cereal Chemistry**

*<http://cerealchemistry.aaccnet.org/loi/cchem>*

Cereal Chemistry is the premier international archival journal in cereal science. No other journal surpasses it in the quantity and quality of juried, original research. Research presented in Cereal Chemistry explores raw materials, processes, and products utilizing cereal (corn, wheat, oats, rice, rye, etc.), oilseeds, and pulses, as well as analytical procedures, technological tests and fundamental research in the cereals area.

### **Engineering Village**

*<http://www.engineeringvillage2.org/controller/servlet/Controller?CID=quickSearch&database=1>*

Engineering Village is a Web-based information service that offers a wide range of quality resources for information specialists, professionals, and researchers working in the applied science and engineering fields.

### **EnvironetBase**

<http://www.environetbase.com/>

A database which provides online electronic access to more than 130 handbooks (eBooks) in the environmental sciences, earth science, ecological economics, ecology, environmental modeling & systems analysis, environmental & ecological risk assessment, environmental engineering, environmental health, environmental toxicology, hazardous materials, landscape ecology, resource management & sustainability and, turfgrass science & engineering.

### **ISI Web of Knowledge**

[http://apps.isiknowledge.com/UA\\_GeneralSearch\\_input.do?preferencesSaved=&product=UA&SID=X1J6B1cJJE3d7NjGD7e&search\\_mode=GeneralSearch&last\\_prod=WOS&highlighted\\_tab=UA&cacheurl=no](http://apps.isiknowledge.com/UA_GeneralSearch_input.do?preferencesSaved=&product=UA&SID=X1J6B1cJJE3d7NjGD7e&search_mode=GeneralSearch&last_prod=WOS&highlighted_tab=UA&cacheurl=no)

An intelligent research platform that provides access to the world's leading citation databases, including powerful cited reference searching, the analyze tool, over 100 years of comprehensive backfile and citation data. 23,000 journals 23 million patents, 110,000 conference proceedings, 9,000 Web sites, 2 million chemical structures, 100+ years of backfiles, 87+ million source items, 700 million cited references and, 256 scientific disciplines.

### **Journal Citation Reports**

<http://admin-apps.isiknowledge.com/JCR/JCR?PointOfEntry=Home&SID=X1J6B1cJJE3d7NjGD7e>

Journal Citation Reports (JCR ) is the only source of citation data on journals. It includes virtually all specialties in the areas of science, technology, and the social sciences. Moreover, it shows the relationship between citing and cited journals in a clear, easy-to-use framework. JCR can show: most frequently cited journals in a field ,hottest journals in a field, highest impact journals in a field, leading journals in a field, related journals in a field and, citation characteristics for a subject category

### **Proquest**

<http://proquest.umi.com/pqdweb/?RQT=302&cfc=1>

ProQuest gives you instant access to one of the most extensive collections of published material in the world. You can search through thousands of journals, periodicals, and newspapers in ProQuest Information and Learning's vast archives.

To bring that information to your desktop, ProQuest provides a unique mix of article/record searching, information access, and information delivery. ProQuest helps professional researchers and students find what they need quickly, conveniently, and economically.

### **SciFinder Scholar (Chemical Abstracts)**

<http://lib.usm.my/equip-usm/custom/scifinder.jsp>

A comprehensive database of chemical literature including patents and the CAS Registry with information on over 18 million substances. 1907-date with selected coverage back to 1878.

### **Science Direct**

<http://www.sciencedirect.com/>

ScienceDirect contains science, technology and medicine full text and bibliographic information. Full texts are for the print counterpart of journal titles subscribed by USM Library plus some others acquired on complimentary.

### **Scopus**

<http://www.scopus.com/home.url>

Scopus is the largest abstract and citation database of research literature and quality web sources. It's designed to find the information scientists need. It offers :15,000 peer-reviewed journals from more than 4,000 publishers, over 1000 Open Access journals, 500 conference proceedings, over 600 trade publications, 33 million abstracts, results from 386 million scientific web pages, 21 million patent records from 5 patent offices, links to full-text articles and other library resources.

## SpringerLink

<http://www.springerlink.com/home/main.mpx>

SpringerLINK Online Journals is an electronic journal data source from Springer (includes Kluwer) in biomedical and life sciences, business and economics, chemistry and materials science, computer science, earth and environmental science, mathematics and statistics and, physics and astronomy.

## USM E-Journals from A to Z

<http://atoz.ebsco.com/titles.asp?Id=3777&uc=Admin&sid=10425351&TabID=2>

The database provides from A to Z list of electronic journals subscribed by USM library.

## SUBSCRIBED ELECTRONIC JOURNALS

(Accessible via USM Library's website [www.lib.usm.my](http://www.lib.usm.my))

### Bioprocess and Biosystems Engineering

<http://www.springerlink.com/content/100401/>

The journal *Bioprocess and Biosystems Engineering* is an international peer-reviewed forum for discussion between engineering and biological science to find efficient solutions in the development and improvement of bioprocesses. The journal focuses attention on multidisciplinary approaches for integrative bioprocess design. Coverage includes rational manipulation of biosystems through metabolic engineering techniques to provide new biocatalysts. The journal examines model-based design of bioprocesses, such as up-stream processing, bioreactor operation and downstream processing, leading to new and sustainable production processes.

### Bioresource Technology

<http://www.sciencedirect.com/science/journal/09608524>

The journal publishes original papers, review articles, case studies and other material for the professional in the fundamentals, applications and management of bioresource technology. The journal's aim is to advance and disseminate knowledge in all related areas such as biomass, biological waste treatment, bioenergy, biotransformations and bioresource systems analysis, and technologies associated with conversion or production. Both high-technology and low-technology methods, processes and systems are covered.

### Bulletin of Environmental Contamination and Toxicology

<http://www.springerlink.com/content/101156/>

The *Bulletin of Environmental Contamination and Toxicology* provides rapid publication of peer-reviewed articles describing significant advances and discoveries in the fields of air, soil, water, and food contamination and pollution as well as articles on methodology and other disciplines concerned with the introduction, presence and effects of toxicants in the total environment.

### Ecological Monographs

<http://www.esajournals.org/loi/emon>

*Ecological Monographs*, issued quarterly, publishes complex, multi-faceted studies that demand greater length than those published in *Ecology* or *Ecological Applications*. These are not merely long papers, but must tell a truly complicated scientific story with multiple components.

### Ecology

<http://www.esajournals.org/loi/ecol>

*Ecology*, the leading international journal in its field, publishes articles that report and interpret the results of original scientific research in basic and applied ecology.

### **Energy & Environment**

<http://www.ingentaconnect.com/content/mscp/ene>

Energy and Environment is an interdisciplinary journal aimed at natural scientists, technologists and the international social science and policy communities covering the direct and indirect environmental impacts of energy acquisition, transport, production and use. A particular objective is to cover the social, economic and political dimensions of such issues at local, national and international level. The technological and scientific aspects of energy and environment questions including energy conservation, and the interaction of energy forms and systems with the physical environment, are covered, including the relationship of such questions to wider economic and socio-political issues. Papers covering energy related aspects of wider environmental questions are included, such as the use of fuel wood and continuing impacts of de-forestation.

### **Energy & Environmental Science**

<http://www.rsc.org/publishing/journals/ee/Index.asp>

The journal recognises the complexity of issues and challenges relating to energy and environmental science and therefore particularly welcomes work of an interdisciplinary nature across both the (bio) chemical and (bio)physical sciences and chemical engineering disciplines.

### **Environmental Management**

<http://www.springerlink.com/content/100370/>

Environmental Management offers research and opinions on use and conservation of natural resources, protection of habitats and control of hazards, spanning the field of applied ecology without regard to traditional disciplinary boundaries. The journal aims to improve communication, making ideas and results from any field available to practitioners from other backgrounds. Contributions are drawn from biology, botany, climatology, ecology, ecological economics, environmental engineering, fisheries, environmental law, forest sciences, geology, information science, public affairs, zoology and more.

### **Environmental science and technology**

<http://pubs.acs.org/journal/esthag?cookieSet=1>

Environmental Science & Technology (ES&T) is an authoritative source of information for professionals in a wide range of environmental disciplines. The journal combines magazine and research sections and is published both in print and online.

The news and features section of *ES&T* presents objective reports and analyses of the major advances, trends, and challenges in environmental science, technology, and policy for a diverse professional audience. It aims to promote interdisciplinary understanding in the environmental field. Although we welcome technical content in these articles, it is not a proper forum to present new data. Instead, the discussion should be based on data found in the peer-reviewed literature.

### **European Food Research and Technology**

<http://www.springerlink.com/content/100491/>

The journal European Food Research and Technology publishes state-of-the-art research papers and review articles on fundamental and applied food research.

The journal's mission is the fast publication of high quality papers on front-line research, new and novel techniques and developing trends in such disciplines as chemistry and biochemistry; technology and molecular biotechnology; nutritional chemistry and toxicology; analytical and sensory methodologies and food physics.

### **Flavour and Fragrance Journal**

<http://www3.interscience.wiley.com/journal/4029/home>

*Flavour and Fragrance Journal* publishes original research articles, reviews and special reports on all aspects of flavour and fragrance. Its high scientific standard and international character will be ensured by regional editorial support and a strict refereeing system. Emphasis will be placed on analytical aspects and the important role that analysis in its widest sense plays in the support of research and applications. As well as essential oils and other natural and naturally derived products, complementary synthetic products will be included, where appropriate. The comprehensive coverage of the journal will be reflected in the wide range of product types embraced, such as fragrances and their compositions, and the flavour, colours and odours of foodstuffs.

### **Food and Bioproducts Processing**

<http://www.sciencedirect.com/science/journal/09603085>

*FBP* aims to be the principal international journal for publication of high quality, original papers in the branches of engineering and science dedicated to the safe processing of biological products. It is the only journal to exploit the synergy between biotechnology, bioprocessing and food engineering.

### **Food & Drink Technology**

<http://web.ebscohost.com/ehost/detail?vid=1&hid=104&sid=2ea8c0ce-1c8d-4457-922d-ad0db0691e79%40sessionmgr110&bdata=JnNpdGU9ZWlhvc3QtbGl2ZQ%3d%3d#db=bth&jid=QB>  
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Features the best in technical & business news, analysis, comment, plant profiles, interviews & product developments. Has regular geographic & industry sector reviews, giving comprehensive views of the European food drink industry.

### **Food Science and Technology International**

<http://fst.sagepub.com/>

Food Science and Technology International is a highly ranked, peer reviewed scholarly journal publishing high-quality articles by leading researchers of food science and technology, covering: food processing engineering · composition · safety · nutritional quality · biotechnology · quality · physical properties · microstructure · microbiology · packaging · sensory analysis, bioprocessing · postharvest technology. publishes peer-reviewed high-quality articles by leading researchers of food science and technology that provide essential information for food scientists throughout the world. In addition, the journal publishes critical reviews, book reviews, brief scientific notes, and coverage of international congresses

### **Food Technology & Biotechnology**

<http://web.ebscohost.com/ehost/detail?vid=1&hid=104&sid=76829450-4c95-4776-a0aa-f342ce2efee2%40sessionmgr104&bdata=JnNpdGU9ZWlhvc3QtbGl2ZQ%3d%3d#db=bth&jid=1G>  
WN

Publishes original articles, reviews, preliminary communications, notes and professional papers that deal with all aspects of applied food science and biotechnology

### **International Journal of Food Science and Technology**

<http://www3.interscience.wiley.com/journal/117988998/home>

The International Journal of Food Science & Technology (IJFST) is published for the Institute of Food Science and Technology, the IFST. This authoritative and well-established journal publishes in a wide range of subjects including pure research in the various sciences associated with food; and practical experiments designed to improve technical processes. Subjects covered include: proximate analysis, novel foods, food quality assurance and food safety, raw material composition of food, food storage and distribution, consumer acceptance of foodstuffs, physical properties of food, food engineering practices, food marketing and, food manufacturing techniques

### **Journal of Coatings Technology**

<http://proquest.umi.com/pqdweb?RQT=318&TS=1263971436&clientId=27905&VType=PQD&VName=PQD&VInst=PROD&PMID=26130&Tab=1>

Journal of Coatings Technology offers Research papers, describing investigations of chemistry, physics, materials science and engineering studies relevant to surface coatings; Applications papers on experimental solutions for technological problems in the design, formulation, manufacture, application, use and performance of surface coatings; Review articles offering broad, critical overviews of advances in coatings science; and Brief Communications, presenting notes and letters on research topics of limited scope or immediate impact.

### **Journal of Ecology**

<http://www3.interscience.wiley.com/journal/118509661/home>

Journal of Ecology among the top 100 most influential journals in Biology and Medicine.

### **Journal of Environmental Engineering**

<http://pubs.asce.org/journals/environmental/>

The *Journal of Environmental Engineering* presents broad interdisciplinary information on the practice and status of research in environmental engineering science, systems engineering, and sanitation. Papers focus on design, development of engineering methods, management, governmental policies, and societal impacts of wastewater collection and treatment; the fate and transport of contaminants on watersheds, in surface waters, in groundwater, in soil, and in the atmosphere; environmental biology, microbiology, chemistry, fluid mechanics, and physical processes that control natural concentrations and dispersion of wastes in air, water, and soil; nonpoint-source pollution on watersheds, in streams, in groundwater, in lakes, and in estuaries and coastal areas; treatment, management, and control of hazardous wastes; control and monitoring of air pollution and acid deposition; airshed management; and design and management of solid waste facilities. A balanced contribution from consultants, practicing engineers, and researchers is sought on engineering solutions, and professional obligations and responsibilities.

### **Journal of Environmental Monitoring**

<http://www.rsc.org/Publishing/Journals/em/index.asp>

The Journal of Environmental Monitoring is a must-have primary research journal for research scientists, environmental and health professionals in industry and officials in governmental and regulatory agencies.

Focus areas: analysis of contaminants, contaminant source characterisation, transport and deposition, contaminant pathways (uptake, metabolism, transformation, fate), multi-media sampling/monitoring (air, soil, water, sediment), biological monitoring (body fluids, tissues, sentinels), biological surveillance (toxicology, health impairments), quality assurance/control, legislative issues and guidelines and remediation.

### **Journal of Food Science**

<http://www3.interscience.wiley.com/journal/118509799/home>

The *Journal of Food Science* serves as an international forum for vital research and developments in food science. The range of topics covered in the journal include food chemistry; food engineering and physical properties; food microbiology and safety; sensory and food quality; nanoscale food science, engineering and technology; health, nutrition, and food; toxicology and chemical food safety; concise reviews and hypotheses in food science.

### Surface and Coatings Technology

<http://www.sciencedirect.com/science/journal/02578972>

Surface and Coatings Technology is an international archival journal publishing scientific papers on surface and interface engineering to modify and improve the surface properties of materials for protection in demanding contact conditions or aggressive environments. This journal is the principal forum for the interchange of information on (i) the science, technology and applications of protective thin films, coatings and surface treatments, and (ii) methods to characterize structure, composition, and properties of modified surfaces.

### Trends in Food Science & Technology

<http://www.sciencedirect.com/science/journal/09242244>

*Trends in Food Science & Technology* is the only truly international peer-reviewed journal publishing critical reviews and viewpoints of current technology, food science and human nutrition. Its role is to fill the gap between the specialized primary journals and general trade magazines by focusing on the most promising new research developments and their current and potential food industry applications in a readable, scientifically rigorous way.

### Waste Management & Research

<http://wmr.sagepub.com/>

Waste Management & Research (WMR) satisfies the growing demand for scientifically based essential information that can be utilised by waste management professionals in academia, government, industry, engineering, management, planning, and public health.

## E-BOOKS

(Accessible via USM Library's website [www.lib.usm.my](http://www.lib.usm.my))

### Springer e-books

<http://www.springerlink.com/home/main.mpx>

This collection contains e-books in the subject of business & economics, **earth & environmental science**, humanities, social sciences and law.

### RSC eBook

The RSC eBook contains 1031 titles ranging from 1968-2009 publication. The collection covers all areas of the chemical sciences from core chemistry and **food science** to emerging areas like nanoscience and biosciences as well as **environmental science**.

### Elsevier eBooks

The Elsevier eBooks covers subject areas with seamless integration with the journals in each of those subject areas which include **environmental science**, chemistry, engineering, materials science .

## ADDITIONAL/SUGGESTED/RELATED LINKS

### GENERAL

#### **Food Sciences and Technology Colleges and Universities**

<http://www.uscollegesearch.org/food-sciences-and-technology-colleges.html>

#### **Institute of Food Technologists**

<http://www.ift.org/cms/>

The Institute of Food Technologists is an international not-for-profit scientific society for food science and food technology professionals.

#### **Proskills**

<http://www.proskills.co.uk/prospect4u/index.html>

#### **Society of Environmental Toxicology and Chemistry**

<http://www.setac.org/>

The Society of Environmental Toxicology and Chemistry is a not-for-profit, worldwide professional organization comprised of individuals and institutions dedicated to the study, analysis and solution of environmental problems, the management and regulation of natural resources, research and development and environmental education.

#### **United Nations Global Compact**

<http://www.unglobalcompact.org/>

The UN Global Compact is a strategic policy initiative for businesses that are committed to aligning their operations and strategies with ten universally accepted principles in the areas of human rights, labour, environment and anti-corruption. By doing so, business, as a primary agent driving globalization, can help ensure that markets, commerce, technology and finance advance in ways that benefit economies and societies everywhere.