

Guide Your Patrons to the Path of Discovery

Students and researchers frequently encounter unfamiliar topics and concepts and require background reading and contextual knowledge to progress. But finding one's path through the published literature can be overwhelming. It is easy to be caught up in siloed information, untrusted sources and site hopping just to explore a single idea or topic.

That is why we created ScienceDirect Topics. Our free topic pages, extending across 20 scientific disciplines, provide readers with a comprehensive database of reliable background and contextual information making it easy to get up to speed with new and unfamiliar concepts. They connect researchers to summarized knowledge and act as a discovery tool for further trusted reading, making this the ideal environment for intuitive learning and for sparking creativity.

The frequent use of topic pages alongside journal articles demonstrates how essential it is for content to be available from a mixture of resources – journals, books and reference works – in order for your patrons to successfully master their coursework, conduct research or plan their teaching materials.

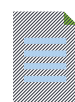
ScienceDirect Topics takes studying and research to the next level by:

- Offering an easy, interactive experience for students learning a new concept or understanding a journal article
- Providing authoritative introductory overviews to help students and researchers understand and interpret scientific literature
- Expediting research while increasing the depth of exploration
- Enabling quick exploration of a novel subject during interdisciplinary research
- Pulling content from a range of book sources to connect the dots between ideas, facilitating cognitive leaps to move discoveries forward
- Providing a necessary bridge between journals and books to speed up research outcomes

The Power of ScienceDirect Topics



- **13 million** visits on average per month



- Hyperlinked from over **4.8 million** journal articles



- **329,000+** topic pages in 20 disciplines

“Whether accessed while reading an article or searching the web, ScienceDirect Topics helps researchers leverage key information within their natural workflows.”



With ScienceDirect Topics, you can ensure that researchers are accessing the most accurate and reliable resources, as well as benefiting from:

- Greater discoverability of authoritative, high-quality books
- Increased co-usage of books, reference works and journals
- Improved productivity and research performance at your institution
- Enhanced data on researcher behavior which enables smarter curation decisions to better meet your patrons' needs
- Improved return on your investment in content

STRUCTURE OF A TOPIC PAGE

Concisely defines unfamiliar terms: Environmental pollution is defined as "the contamination of the physical and biological components of the earth/atmosphere system to such an extent that normal environmental processes are adversely affected".

Set a search alert: Download as PDF, Set alert, About this page.

Download and save Topic page as PDF: Download as PDF.

Option to read full chapter, download as PDF, and download the book: Read full chapter, View PDF, Download book.

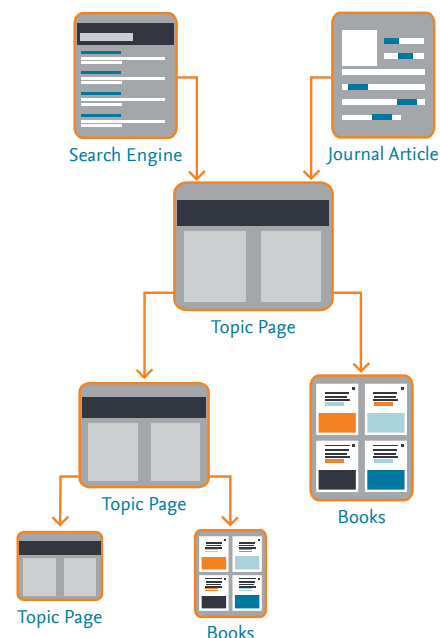
Connect content across topics for a networked view: Related terms: Contaminant, Enzyme, Pathogen, Human Health, Nitrogen, Pesticide. View all Topics.

Link to Topics browser: About this page.

Book content becomes dramatically more accessible – providing context and deeper insight: Exploring the Potential and Opportunities of Current Tools for Removal of Hazardous Materials From Environments. Abstract: Environmental pollution is one of the most serious global challenges. Wild-type organisms have a slower degradation rate of hazardous materials. Currently, advanced molecular biology tools along with conventional approaches allow us to rapidly degrade or accumulate hazardous materials from environments. This can help modify microorganisms to gain the ability to sense and degrade hazardous chemicals from contaminated sites, in turn, allowing us to grow vegetation and improve crop productivity. In this chapter, conventional and advanced molecular biology tools for the removal and detoxification of contaminants from soil and water to improve environmental conditions are highlighted.

Simplifying the Research Workflow

Topic pages are discoverable through search engines, hyperlinked from key terms in journals and book chapters, as well as being directly searchable on ScienceDirect.



Ensuring you have the Best Content

By applying natural language processing and machine learning techniques to published content, topic pages surface the most relevant snippets of information from books and reference works in succinct, summarized pages.

Linking content through topic pages improves the ROI of the journal and book content you already use as a result of the co-usage of books, reference works and journals. The increased discoverability of books, improved context for journals and frequent links to topics outside users' direct fields of expertise mean that your users can better find and understand the information they need and discover more resources and deeper insights than ever before, improving research productivity and research performance at your institution.

“As a librarian, ScienceDirect Topics provides access to more user data that can help you make smarter content investments, resulting in increased value for researchers.”



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What will your patrons discover?

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