

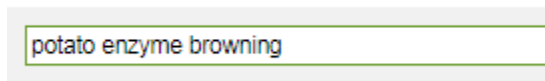
ScienceDirect

Use this database to explore scientific, technical and medical research. There is full-text for more than 1,000 peer-reviewed health science, life sciences, physical sciences, and engineering journals.

1. Start at the PCC Library home page (www.pcc.edu/library).
2. Click on Articles & Databases.
3. Click the S shortcut link at the top, or scroll down.
4. Click on the database title, ScienceDirect.

Quick Search

The first search box is for a quick search. Enter your keywords: in this case, *potato enzyme browning*. There are also boxes for author name, journal title, volume, issue and page (you don't have to use them to search). Then click the magnifying glass in the green box, or hit enter on your keyboard to start the search.



A screenshot of a search box with a light gray border and a green outline. The text "potato enzyme browning" is entered in a simple, black, sans-serif font.

In this example the results page shows there are over 15,000 articles that contain the keywords *potato enzyme browning*. They are listed by relevance. The keywords used for the search are highlighted in yellow.

- Swertiajaponin as an anti-browning and antioxidant flavonoid
Research article
Food Chemistry, Volume 252, 30 June 2018, Pages 207-214
Kyoung Mi Moon, Bonggi Lee, Won-Kyung Cho, Bong-Seon Lee, ... Jin Yeul Ma
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- Glycoalkaloids and phenolic compounds in three commercial potato cultivars grown in Hebei, China
[Open access](#), Research article
Food Science and Human Wellness, In press, accepted manuscript, Available online 24 February 2018
Cheng-Yu Jin, Hong Liu, Dan Xu, Fan-Kui Zeng, ... Gang Liu
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Using the options on the left side of the screen under “Refine by:” you can narrow your results **by year** or **article type**.

Under each article listing you will find a few options. Click the **Download PDF** link for the full text. **Abstract** gives a summary of the article's contents, including research question, methods, and conclusion. **Export** has options for creating a citation.

Note: Although you can access and download both the Journal Articles and Open Access Articles found in ScienceDirect you cannot email them directly from ScienceDirect.

Advanced Search

There is a link to the advanced search page next to the quick search box. After clicking this link, scroll down and click the link "Open expert search." This brings you to the Advanced Search box, which gives you more ways to narrow your search:

- **Scientific Field** narrows the search. There are 26 scientific fields to choose from including agricultural and biological sciences, environmental science and veterinary science.
- **Type of Article** narrows the search to type of publication. This includes article, review article and short survey.
- With **Year Published** you can narrow your search to a range of dates.

The screenshot shows the ScienceDirect Advanced Search interface. At the top, there are tabs for 'Journals', 'Books', 'Reference Works', and 'Images'. The 'Advanced search' tab is selected. Below the tabs, there is a search box containing the text 'potato enzyme browning'. To the right of the search box is a dropdown menu set to 'All Fields'. Below the search box is a dropdown menu set to 'AND'. There is another empty search box and a dropdown menu set to 'All Fields'. Under the heading 'Refine your search', there are several checkboxes: 'All' (checked), 'My Favorites', 'Subscribed journals', and 'Open Access articles'. Below this is a dropdown menu showing a list of scientific fields: '- All Sciences -', 'Agricultural and Biological Sciences', 'Arts and Humanities', and 'Biochemistry, Genetics and Molecular Biology'. To the right of this dropdown is a note: 'Hold down the Ctrl key (or Apple Key) to select multiple entries.' Below the dropdown are several checkboxes for article types: 'Article', 'Short Communication', 'Book Review', 'Publisher's Note', 'Review Article' (checked), 'Correspondence, Letter', 'Product Review', 'Erratum', 'Short Survey', 'Discussion', and 'Editorial'. At the bottom, there are radio buttons for 'All Years' and '2015' (selected), and a dropdown menu set to 'Present'. There is also a checkbox for 'Articles in Press' which is checked. At the very bottom, there are input boxes for 'Volume', 'Issue', and 'Page', and a 'Search' button.

Using this search method for our potato enzyme browning example, we have narrowed the search to biochemistry, genetics and molecular biology; review article; and 2015 to

present we now have only 378 articles — significantly more focused than the 15,000 we found using the quick search method.

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