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2. On the top right of the library website home page, notice the single search pop up box in red color, after Log In button. Enter key words such as Wind Turbines as shown in this example to begin your search.

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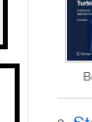
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Wind power.
 Power-generating devices that use wind as an energy source are the oldest known devices engineered specifically to produce power. From ancient grain...
 Salem Press Encyclopedia of Science, 2016
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- [Wind turbines : fundamentals, technologies, application, economics / Erich Hau.](#)




By: Hau, E., Berlin ; New York : Springer, c2006. xviii, 783 p. : ill. ; 24 cm. Language: English, Database: Online Catalog
Subjects: Wind turbines; Wind power; Eoliennes; Energie eolienne
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Book
- [State-Space Modeling and Performance Analysis of Variable-Speed Wind Turbine Based on a Model Predictive Control Approach.](#)




By: Bassi, Hussain; Mobarak, Yousef. *Engineering, Technology & Applied Science Research*, Apr2017, Vol. 7 Issue 2, p1430-1443, 7p, Database: Applied Science & Technology Source
Subjects: Wind turbines; Predictive control; Turbines -- Blades; Wind power; Maximum power point trackers; Other electric power generation; Wind Electric Power Generation; Power and Communication Line and Related Structures Construction; Turbine and Turbine Generator Set Units Manufacturing
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Academic Journal
- [Modal and harmonic analysis of three-dimensional wind turbine models.](#)



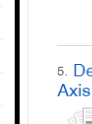
By: Sellami, Takwa; Benri, Hanen; Darcherif, A. Mounem; Jelassi, Sana; Mimouni, M. Faouzi. *Wind Engineering*, Dec2016, Vol. 40 Issue 6, p518-527, 10p, DOI: 10.1177/0309524X16671093, Database: Environment Complete
Subjects: Wind turbines; Turbine and Turbine Generator Set Units Manufacturing; Power and Communication Line and Related Structures Construction; Modal analysis; Harmonic analysis (Mathematics); Vibration (Mechanics); ANSYS (Computer system)
[Full Text from Sage Journals Online](#) PlumX Metrics

Academic Journal
- [Wind Turbine Fault Detection through Principal Component Analysis and Statistical Hypothesis Testing.](#)



By: Pozo, Francesc; Vidal, Yolanda. *Advances in Science & Technology*, 2017, Vol. 101, p45-54, 10p; DOI: 10.4028/www.scientific.net/AST.101.45, Database: Applied Science & Technology Source
Subjects: Wind turbines; Fault tolerance (Engineering); Principal components analysis; Statistical hypothesis testing; Actuators; Fluid Power Cylinder and Actuator Manufacturing; Turbine and Turbine Generator Set Units Manufacturing; Power and Communication Line and Related Structures Construction
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Academic Journal
- [Design Studies and Aerodynamic Performance Analysis of Small Scale Horizontal Axis Wind Turbine Blade for Nano - Grid Applications.](#)



By: Hasan, Md-Mehedi; El-Shahhat, Adel; Rahman, Mosfequr. *Journal of Automation & Systems Engineering*, Mar2017, Vol. 11 Issue 1, p11-26, 16p, Database: Arab World Research Source
Subjects: WIND turbines -- Blades; WIND turbines -- Performance; RENEWABLE energy sources; SMALL scale system; BOUNDARY element methods
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Academic Journal

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3. The Refine Results column allows for narrowing searches. Find full-text database articles by unchecking the **Available in Library Collection** and/or **Full Text** option. If desired, narrow a search further by choosing different options available located under the **Refine Results** column.

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Full Text

4. Before clicking into an article either by title or by going directly to the full-text article, mouse over the magnifying glass to view abstract information about the article.
5. To view the article in its entirety, click on the PDF Full Text icon.

The screenshot shows the KFLUPM Libraries search results page. The search term 'wind turbines' has been entered, resulting in 515,408 hits. The first result is 'State-Space Modeling and Performance Analysis of Variable-Speed Wind Turbine Based on a Model Predictive Control Approach.' by Bassi, Hussain; Mobarak, Youssef. The page includes a 'Refine Results' sidebar on the left with filters for 'Full Text', 'Available in Library Collection', and 'Academic (Peer-Reviewed) Journals'. The main content area displays the search results, and a tooltip is visible over the 'PDF Full Text' icon, showing the article's title, authors, source, date, publication type, subjects, and abstract. The right sidebar contains 'Newswires', 'Related Images', and 'Google Suggests'.

Search Results: 1 - 10 of 515,408

1. Wind turbines

State-Space Modeling and Performance Analysis of Variable-Speed Wind Turbine Based on a Model Predictive Control Approach.

Authors: Bassi, Hussain; Mobarak, Youssef

Source: Engineering, Technology & Applied Science Research

Date: 2017

Publication Type: Academic Journal

Subjects: Wind turbines; Predictive control; Turbines -- Blades; Wind power; Maximum power point trackers; Other electric power generation; Wind Electric Power Generation; Power and Communication Line and Related Structures Construction; Turbine and Turbine Generator Set Units Manufacturing

Abstract: Advancements in wind energy technologies have led wind turbines from fixed speed to

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2. State-Space Modeling and Performance Analysis of Variable-Speed Wind Turbine Based on a Model Predictive Control Approach.

By: Sellami, Takwa; Berriri, Hanen; Darcherif, A. Moumen; Jelassi, Sana; Mimouni, M. Faouzi. *Wind Engineering*. Dec2016, Vol. 40 Issue 6, p518-527. 10p. DOI: 10.1177/0309524X16671093. Database: Environment Complete

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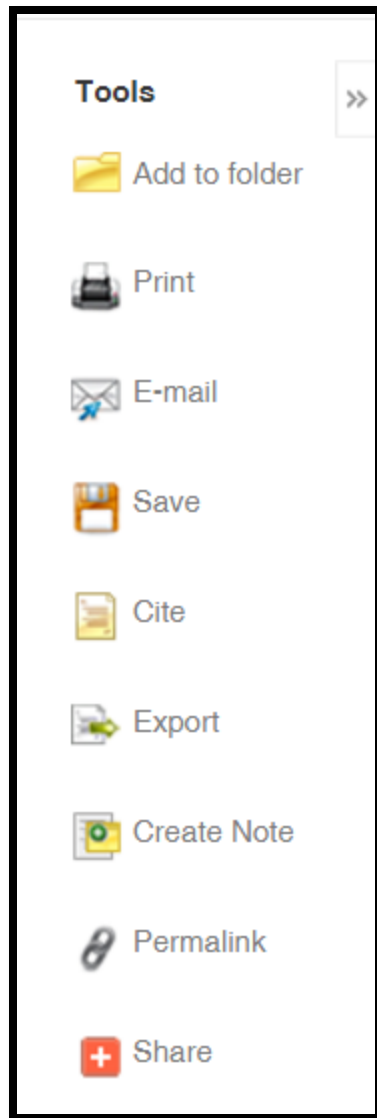
After finding an article of interest, click on the title. Doing so offers various ways of retaining the article.

The screenshot displays the KFUPM Libraries search interface. At the top, navigation tabs include 'New Search', 'Multimedia', 'KFUPM Catalog', and 'Publications'. The search bar shows the keyword 'wind turbines' with a 'Search' button. Below the search bar, links for 'Basic Search', 'Advanced Search', and 'Search History' are provided. The main content area shows the search results for 'wind turbines', with a title 'State-Space Modeling and Performance Analysis of Variable-Speed Wind Turbine Based on a Model Predictive Control Approach.' The authors listed are Bassi, Hussain¹ and Mobarak, Youssef². The source is 'Engineering, Technology & Applied Science Research', April 2017, Vol. 7 Issue 2, pages 1438-1443, 7p. The document type is 'Article'. The subjects are 'Wind turbines', 'Predictive control', 'Turbines -- Blades', 'Wind power', and 'Maximum power point trackers'. The author-supplied keywords are 'blades', 'maximum power point trackers', 'modeling', 'predictive control', and 'turbines'. The abstract discusses advancements in wind energy technologies and the proposed model predictive control (MPC) approach for maximum power point tracking (MPPT).

On the left sidebar, there are options for 'Detailed Record', 'PDF Full Text', and 'Save PDF to Cloud (1.5MB)'. Below these are sections for 'Related Information' and 'Find Similar Results using SmartText Searching.'.

On the right sidebar, a 'Tools' menu is visible, containing the following options: 'Add to folder', 'Print', 'E-mail', 'Save', 'Cite', 'Export', 'Create Note', 'Permalink', and 'Share'.

Options to retain the article include printing, e-mailing, saving, using social bookmarking tool of choice and/or by adding it to a personal folder.



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If there is PDF Full Text available in search results, you can save it directly to your cloud storage (Google Drive, Dropbox and OneDrive).

The image shows a search result for a paper titled "4. Wind Turbine Fault Detection through Principal Component Analysis and Statistical Hypothesis Testing." by Pozo, Francesc; Vidal, Yolanda. The paper is from *Advances in Science*, 10.4028/www.scientific.net/AST.101.45. The subjects listed are Wind turbines; Fault tolerance (Engineering Actuators; Fluid Power Cylinder and Actuator Manufacture and Communication Line and Related Structures Cons...

Below the paper information, there is a "PDF Full Text" link and a "Save PDF to Cloud" button. The "Save PDF to Cloud" button is highlighted with a black box and an arrow pointing to a callout menu. The callout menu is titled "Save State-Space Modeling and Performance Analysis of Variable-Speed Wind Turbin... PDF in my Cloud" and contains three options: "Save" (with a Google Drive icon), "Save to Dropbox" (with a Dropbox icon), and "Save to OneDrive (Personal)" (with a OneDrive icon).