

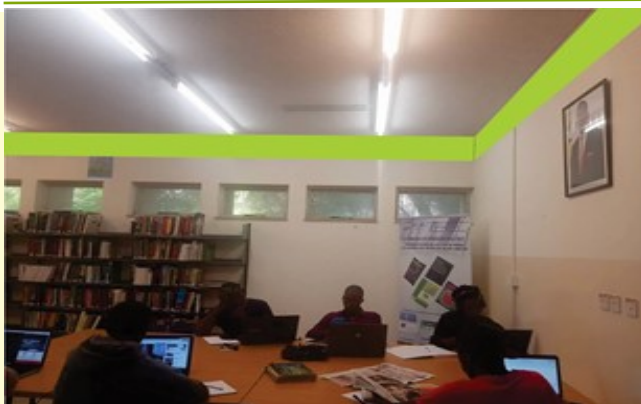
HITLIB NEWS

HIT Library Newsletter

Vol. 7 (1) June 2018

HIT Library Adopts the Green Library Concept

Inspiring sustainability and energy savings in buildings



Inside the Green Library

An interesting development in library construction is the concept of the ‘green library.’ The Library has adopted the concept and is set to incorporate the green library concept in its architectural plans for a fit-for-purpose library.

A ‘Green Library’ or sustainable library, as it is known in other literature sources, stands for a library or a structure that is designed, built, renovated, operated or used in an ecological and resource efficient manner. Green libraries advocate for profitable use of open spaces, the availability of natural light, low energy consumption and the inclusion of natural vegetative elements within the library building. Key advantages of the green library are the improvement in the general aesthetics and ambience of the structure.

It is believed that this concept will allow for the development of enlightened thought processes and robust innovations, due to the tranquil that is brought about by the effects of light, space and vegetation on the human mind.

Research, has led architects in construction to conclude that library buildings of the old era, which were cold, dark and

lifeless spaces confined the mobility of the human mind and suppressed innovation and ideation. Countries like the USA have already put in place rating systems for certifying green library buildings. The U.S. Green Building Council developed the Leadership in Energy and Environmental Design (LEED) certification which it is using to monitor compliance and measure sustainability achievement in any new or renovated library building. The New York Public Library and the Stanford University Library are both LEED certified.

In this new era, and the much hyped Industry 4.0 which puts an emphasis on intellectual prowess and innovation, architects are convinced that this new concept will greatly aid innovation and ideation in students who can be the principal originators of knowledge.

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Library Creates an Ideation Centre

Stimulating innovation through Artistic Designs



Dr Gibson Mandishona and his Solar Dryer, 2011

In Zimbabwe's history, great minds have shaped the technological and scientific landscape. Prominent examples include Institute Board Chairman, Dr Gibson Mandishona, renowned for his transformative work in renewable energy. Given his contributions, the Library is showcasing such prominent persons who serve as positive role models to Zimbabwe youths. The HIT Library is creating an Ideation Centre aimed at stimulating innovation through artistic designs. As a cultural hub for the HIT Community, the Library has been offering inspiration through its print and online information resources. It has, however, developed a new way of inspiring technocrats in the Institute through visual arts of maker inventions and or innovations and in the process transform itself into a dynamic functional library by showcasing and profiling some of the best technology and innovations produced.

In liaison with engineers in the Institute, the Library selects utility models and miniature plants and make illustrations of these together with their inventors through fine art and paint drawing with the help of artists identified from among members of staff who have agreed to provide their expertise free of charge. The illustrations have been framed and displayed in the Library for viewing by library users as well as visitors. Capstone design projects will be considered in order to inspire other students. The illustrations are expected to foster creativity and encourage inventiveness and innovativeness among members of the HIT Community especially students as they are the future generation of engineers expected to propel the economy of Zimbabwe to greater heights.



Sir William Grant and his Laptop Computer called The Grid Compass

HIT Renews Campaign On Zero Tolerance to Litter

Cleanliness is next to Godliness

Harare Institute of Technology renewed its interest in keeping its surroundings free of solid waste when it arranged a clean-up campaign of the Institute’s surroundings; frontage, sanitary lanes, and backyard corridors among other areas on 8 June 2018. The clean-up that started immediately after remarks by the Vice Chancellor, the Chaplin and selected staff and students was in line with Section 73 of the Constitution of Zimbabwe and section 4 of the Environment Management Act (Chap 20; 27) which states that it is everyone’s right to live in a clean environment that is not harmful to human health. All members of staff among them, the Vice Chancellor, the Pro Vice Chancellor, Principle Officers, Senior Management, Deans and a few students who were still on campus after the end of the semester grabbed yard brooms, lawn rakes and other yard tools and started to clean the surroundings of all solid waste which was then placed in litter bins.

From the Environmental Management Agency’s desk, everyone including universities and institutes of higher learning have a role to play in ensuring a clean environment at all times.

Universities and colleges alike are encouraged to form environmental clubs that spearhead clean-up of surroundings in their institutes. The universities can adopt areas or zones that they clean from time to time in order to communicate and instill a culture of cleanliness in the surrounding communities while enhancing their relationships with the same. Recyclables can be brought from homes to universities for either recycle or value addition to the solid waste such as extracting diesel and gas from plastics and organic waste respectively. Institutes can include environmental commemoration days on their calendars and carry out clean-up of their institutional surroundings on such days. This will ensure that every new member or even visitors to the institute will act responsibly in managing solid waste in order to prevent litter in the environment of the Institute as the saying

goes, "Cleanliness is next to Godliness."



The Executive, Senior Managers , Staff and Students cleaning together as one HIT Family

Keep HIT Clean & Beautiful



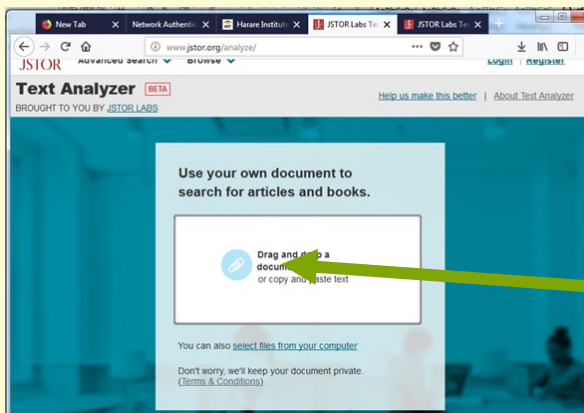
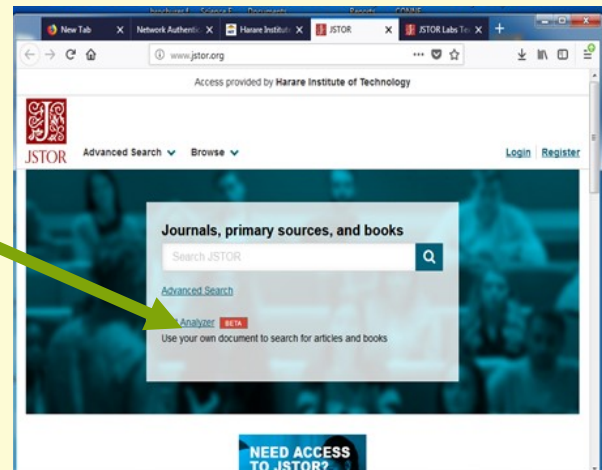
You know it's the right thing to do

JSTOR Introduces a Text Analyzer

Build Literature Review! Increase your Citations!

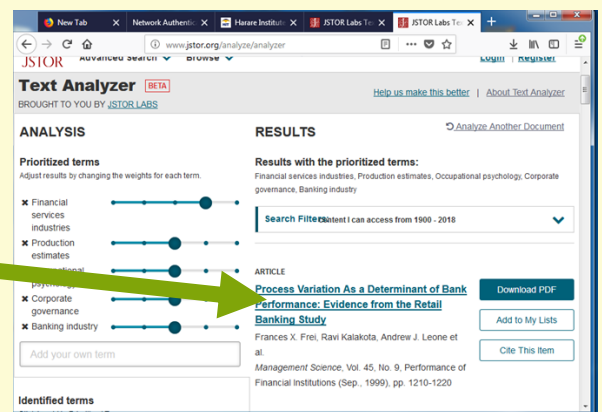
The JSTOR Database has introduced an amazing tool for building literature review and increasing citations of papers. The Analyzer examines documents searched and links them to other related documents in JSTOR. By a click of a button students, lecturers and researchers can actually use their draft assignments, course outlines and drafter research papers to search for similar articles and books. The Text Analyzer is thus a new way of searching research articles on the JSTOR Database worthy using.

Step 1: Open JSTOR from HIT Library website and click on text analyzer as shown here

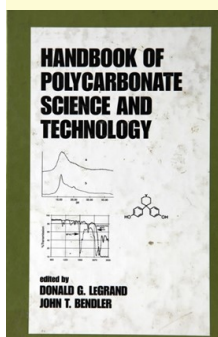


Step 2: Drag and drop document or copy and paste or upload one with text in it.

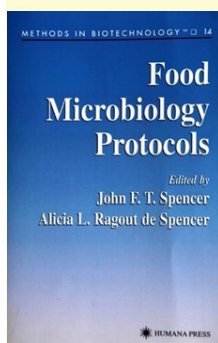
STEP 3: Review results and download any articles you're interested in.



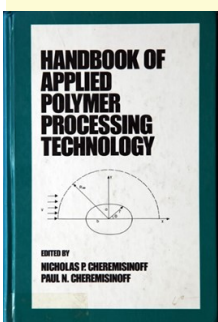
New Books On Display



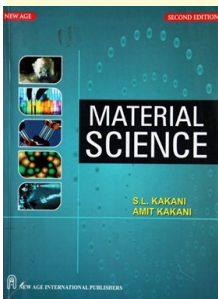
This handbook summarizes research and progress in understanding the fundamental molecular properties of polycarbonates by covering history, theory, modelling, and spectroscopy. Offers the first comprehensive survey of polycarbonates in over 30 years." The handbook focuses on mechanical, optical, thermal and rheological properties of glassy polymers and also considers the physical and chemical aging and degradation of polycarbonates, including crystallisation. It also discusses the creation of commercial products and secondary finishing operations among other issues. This is a must read for polymer students and researchers.



In food Microbiology Protocols expert laboratorians present a wide ranging set of detailed techniques for investigating the nature, products and extent of these important microorganisms. The methods cover pathogenic organisms that cause spoilage, microorganisms in fermented foods and microorganisms producing metabolites that effect the flavour or nutritive value of foods. Food Microbiology Protocols is a gold standard collection of readily reproducible techniques essential for the study of the wide variety of microorganisms involved in food production, quality, storage and preservation today. Students studying food processing technology will find this book a must have.



Offers detailed coverage of applied polymer processing--presenting a wide range of technologies and furnishing state-of-the-art data on polymer components, properties and processibility. Reviews fundamental rheological concepts. Contains over 1600 bibliographic citations, some 450 equations, and over 400 tables, drawings, and photographs.



The book deals with all aspects of Material Science, e.g. structure crystal defects, various properties, phase diagrams, phase transformations, deformation, oxidation and corrosion, etc. Special chapters on composites, polymers, organic materials, superconducting materials, semiconductors etc. make book quite useful for advanced studies and research.

Lighter Moments in Research



“This is interesting, 70% of the respondents to our survey said they don't respond to surveys.”

