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The Journal of Academic Librarianship • 1994

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The growing adoption of AI in libraries across Africa signifies a shift towards innovative service delivery, with institutions like the University of Johannesburg implementing AI-enhanced services to improve efficiency.

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ScienceDirect AI科研问



ScienceDirect AI同时推荐相关问题，激发更深入的研究与发现。

Ask another question:

↳ Paano nakakatulong ang mga aklatan sa pag-unawa ng AI at teknolohiya? ↗

↳ Anong papel ang ginagampanan ng mga aklatan sa pagbuo ng kritikal na pag-iisip sa AI? ↗

↳ Paano nagbabago ang mga serbisyo ng aklatan sa harap ng pag-usbong ng AI? ↗

Paano nakakatulong ang mga aklatan sa pag-unawa ng AI at teknolohiya?

Get answers

Summary answer

Paano nakakatulong ang mga aklatan sa pag-unawa ng AI at teknolohiya?

Mga Paraan ng Pagtulong ng Aklatan:

• **Pagpapalaganap ng Kaalaman:**

- Ang mga aklatan ay nagbibigay ng impormasyon tungkol sa AI, kabilang ang mga pangunahing konsepto, aplikasyon, at hinaharap na potensyal ng teknolohiya (Joiner, 2018).
- Ang mga aklatan ay maaaring magbigay ng mga instructional sessions at sagutin ang mga pangunahing tanong tungkol sa AI (Joiner, 2018).

• **Pagsuporta sa Edukasyon at Pananaliksik:**

- Ang mga aklatan sa unibersidad ay tumutulong sa mga estudyante at akademiko na maunawaan ang mga oportunidad at hamon na dala ng AI (Williams, 2025), (Williams, 2025).
- Ang mga aklatan ay nag-eeksperimento sa paggamit ng AI upang mapabuti ang kanilang mga serbisyo at sistema (Williams, 2025), (Williams, 2025).

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International Journal of Information
Management Data Insights
Volume 3, Issue 2, November 2023, 100205

How does AI drive branding? Toward integrated theoretical framework for driven branding

Maria DSouza Deryl , Sanjeev Verma, Vartika Srivastava

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Highlights

- Artificial Intelligence transforms brands for universal

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
Actions you could take:

-  Summarize this article
-  Summarize experiments

what is the research gap?

Research Gap

The present study fills the research gap by offering an integrated theoretical framework to explain AI-driven branding. Previous reviews have consolidated the academic contributions and thematically described the domain, but a comprehensive account of the theoretical underpinnings used in AI-driven branding literature and the subsequent integration of the

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ARTICLE	EXPERIMENT / STUDY	GOAL	MATERIALS	METHODS	RESULTS	CONCLUSION
<p>Article</p> <p>Source prevention or end-of-pipe treatment? Green public procurement and corporate environmental investment strategies</p> <p>Ranjie Zhang, Guoyi Zhu</p> <p>Journal of Environmental Management - Volume 329 - 2025</p> <p>Export data (CSV)</p>	<p>Empirical study on the relationship between GPP and corporate environmental investment strategies</p>	<p>To investigate the impact of green public procurement (GPP) on corporate environmental investment strategies, specifically examining whether GPP promotes enterprises' preventive environmental investments or end-of-pipe treatment investments.</p>	<p>Manually collected data on corporate environmental investment, green public procurement data obtained through textual analysis techniques, financial data of listed companies from the China Stock Market and Accounting Research (CSMAR) database</p>	<p>1. Classify enterprises' environmental investment strategies into source prevention and end-of-pipe treatment based on the production stage involved. 2. Construct the GPP variable using textual analysis techniques to identify green procurement contracts. 3. Conduct regression analyses to examine the impact of GPP on the two types of environmental investment strategies, controlling for firm characteristics.</p>	<p>GPP significantly promotes enterprises' preventive environmental investments, but has no obvious effect on end-of-pipe treatment investments.</p>	<p>Enterprises obtaining green procurement orders tend to adopt a source prevention environmental investment strategy in response to increasing environmental pressures from GPP</p>
	<p>Mechanism analysis on the role of the threat of procurement termination</p>	<p>To examine whether the government's threat of termination of procurement is a potential mechanism by which GPP induces enterprises to adopt a source prevention environmental investment strategy.</p>	<p>Data on whether enterprises obtained green procurement orders in the previous year but not in the current year, indicating termination of procurement relationship</p>	<p>1. Retain only enterprises that had obtained green procurement orders during the sample period. 2. Generate dummy variables indicating termination of procurement relationship based on the continuity of green procurement orders. 3. Regress the probability of procurement termination on enterprises' preventive and treatment environmental investments.</p>	<p>The more preventive environmental investments on enterprise makes, the lower the probability of being terminated from a procurement relationship by the government. Increased end-of-pipe investment encourages investment does not reduce the probability of procurement termination.</p>	<p>The threat of termination of procurement by the government is a potential mechanism for GPP to prompt enterprises to adopt a source prevention environmental investment strategy.</p>

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International Review of Financial Analysis, June 2025

Ying Zou, Jiansin Li, ... Min Li

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Finance Research Letters, April 2025

Dengyun Gao, Chang Liu, Zhanwei Sun

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Journal of Environmental Management, April 2025

Ranjie Zhang, Guoyi Zhu

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ARTICLE	EXPERIMENT / STUDY	GOAL	MATERIALS	METHODS	RESULTS	CONCLUSION	FEEDBACK
<p>Arisc Synthesis and characterization of silver nanoparticles using crystal compound of sodium para-hydroxymethylsulfonate isolated from <i>Vitis rotundifolia</i>. <i>Leaves and seeds</i> (apoptotic effect on human colon cancer cell lines) Prabha Devi, Arubasu Chinnayyan, ... Anil Kumar Thiruvengadam European Journal of Medicinal Chemistry - Volume 84 - 2014 3. Export table (CSV)</p>	<p>• Synthesis and characterization of silver nanoparticles</p>	<p>To synthesize and characterize silver nanoparticles (AgNPs) using crystal compound of sodium para-hydroxymethylsulfonate (SPH) isolated from <i>Vitis rotundifolia</i>. <i>Leaves and seeds</i> (apoptotic effect on human colon cancer cell lines).</p>	<p>Sodium para-hydroxymethylsulfonate (SPH), 1 mM silver nitrate (AgNO₃) solution</p>	<p>1 ml of SPH (10 mg/ml) was added to 95 ml of 1 mM AgNO₃ aqueous solution and incubated for 2 hrs at room temperature. Synthesis of SPH-AgNPs was confirmed by the extinction of absorbment peak at 430 nm and color change from colorless to dark brownish color. The in-vitro toxicity of SPH-AgNPs was analyzed by measuring the plasmon wavelength (λ_{max}) and absorbance bandwidth (Δλ) at different temperatures (40, 50 and 60°C) and pH values buffer solutions (pH 4, 5, 6, 7, 8). The size, shape and morphology of SPH-AgNPs were characterized using HRTEM, FTIR, EDX and zeta potential analysis. FTIR spectroscopy was used to examine the functional groups present in SPH and SPH-AgNPs.</p>	<p>The SPH-AgNPs were spherical in shape with a size range of 20-30 nm. The highest and cuboidal functional groups from SPH and SPH-AgNPs showed similar vibratory effects on the performance of human colon cancer cell lines HCT15 and HCT-26 and reduced apoptosis and cell cycle arrest.</p>	<p>The SPH-AgNPs was an effective reducing, stabilizing and capping agent in the synthesis of AgNPs. The SPH and SPH-AgNPs showed similar vibratory effects on the performance of human colon cancer cell lines HCT15 and HCT-26 and reduced apoptosis and cell cycle arrest.</p>	<p>How useful you rate this summary? ☆ ☆ ☆</p>
<p>Arisc Cell viability and apoptosis analysis</p>	<p>• Cell viability and apoptosis analysis</p>	<p>To evaluate the antiproliferative and apoptotic effects of SPH and SPH-AgNPs on human colon cancer cell lines HCT15 and HCT-26.</p>	<p>Human colon cancer cell lines HCT15 and HCT-26, MTT reagent, Annexin V-FITC/PI apoptosis detection kit</p>	<p>The inhibitory effects of SPH and SPH-AgNPs (100 and 10 μg/ml) on cell viability were determined by MTT assay. The cells were treated with different concentrations of SPH and SPH-AgNPs (2, 4, 8 and 16 μg/ml) for 24 and 48 h. The apoptosis induced by SPH and SPH-AgNPs was quantitatively assessed using Annexin V-FITC/PI staining and analyzed by flow cytometry. The cell cycle distribution was also analyzed by flow cytometry.</p>	<p>SPH and SPH-AgNPs induced a dose and time dependent inhibition of HCT15 and HCT-26 cell proliferation. The IC50 values of SPH on HCT15 and HCT26 were 8 μg/ml and 6 μg/ml respectively at 48 h, while for SPH-AgNPs the IC50 values were 2 μg/ml and 6 μg/ml respectively at 24 h. The Annexin V-FITC/PI staining showed that SPH-AgNPs induced a higher percentage of early and late apoptotic cells compared to SPH. The cell cycle analysis revealed that SPH and SPH-AgNPs induced cell cycle arrest in the G2/S1 phase.</p>	<p>SPH and SPH-AgNPs exhibited potent antiproliferative and apoptotic effects on human colon cancer cell lines HCT15 and HCT-26. SPH-AgNPs showed higher cytotoxic activity compared to SPH.</p>	<p>How useful you rate this summary? ☆ ☆ ☆</p>
<p>Arisc Investigating the cytotoxicity of iron oxide nanoparticles in <i>in vivo</i> and <i>in vitro</i> studies - Sarah Chatterjee, Subhojit Kumar, Alk Shrivastava, ... Mohan Alipour Experimental and Toxicological Pathology - Volume 01 - 2015 3. Export table (CSV)</p>	<p>• <i>In vitro</i> cell viability study</p> <p>• <i>In vitro</i> cell cycle analysis</p> <p>• <i>In vivo</i> toxicity study</p>	<p>To evaluate the cytotoxicity of 200mg/ml, 400mg/ml, and 800mg/ml modified and non-modified iron oxide nanorods on mouse fibroblast (L929) cells</p> <p>To investigate the effect of 200mg/ml, modified iron oxide nanorods on cell cycle parameters of L929 cells</p> <p>To evaluate the <i>in vivo</i> effects of 200mg/ml, modified iron oxide nanorods on liver and kidney function in Wistar rats</p>	<p>L929 mouse fibroblast cells, Dulbecco's Modified Eagle Medium (DMEM), Fetal Bovine Serum (FBS), iron oxide nanorods</p> <p>L929 mouse fibroblast cells, 200mg/ml, modified iron oxide nanorods</p> <p>Wistar rats, 200mg/ml, modified iron oxide nanorods, 0.9% saline</p>	<p>L929 cells were seeded in 96-well plates and exposed to 100 and 400mg/ml of modified and non-modified iron oxide nanorods for 24 hours. Cell viability was measured using the MTT assay.</p> <p>L929 cells were exposed to 200mg/ml, modified iron oxide nanorods for 24 hours. Cell cycle distribution was measured using flow cytometry.</p> <p>Wistar rats were randomly divided into an experimental group (pretreated with 200mg/ml, modified nanorods) and a control group (pretreated with saline). Blood samples were collected at 3 hours and 24 hours post-injection to measure the enzymes ALT, AST, ALP and kidney function (BUN, creatinine) parameters. Histological analysis of the liver and kidney was also performed.</p>	<p>Exposure to 100 and 400 concentrations of modified and non-modified nanorods significantly decreased cell viability compared to control. Increasing the concentration of non-modified nanorods from 100 to 400mg/ml significantly decreased cell viability.</p> <p>Exposure to 200mg/ml, modified nanorods increased cell granularity and decreased cell size, with 3.4% of cells undergoing apoptosis (sub-G0/G1 phase). The G2/S1 phase increased by 3.9% while S1 and G2/S1 phases decreased by 3.3% and 0.3%, respectively.</p> <p>There were no significant differences in liver and kidney function tests between the experimental and control groups at 3 hours and 24 hours post-injection. Serum iron levels were significantly higher in the experimental group at 24 hours compared to 3 hours. Histological analysis showed no change in the morphology of the liver and kidney tissues.</p>	<p>Modified nanorods had lower cytotoxicity compared to non-modified nanorods. The increase in cell viability with higher concentration of non-modified nanorods was likely due to the release of iron from the nanoparticles.</p> <p>Exposure to 200mg/ml, modified iron oxide nanorods induced autophagy-related changes in cell morphology and a slight decrease in the S phase of the cell cycle, without significant effects on other cell cycle parameters.</p> <p>A single intramuscular injection of 200mg/ml, modified iron oxide nanorods did not induce significant acute toxicity to the liver and kidney in Wistar rats within 24 hours, despite the observed increase in serum iron levels.</p>	<p>How useful you rate this summary? ☆ ☆ ☆</p> <p>How useful you rate this summary? ☆ ☆ ☆</p> <p>How useful you rate this summary? ☆ ☆ ☆</p>

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