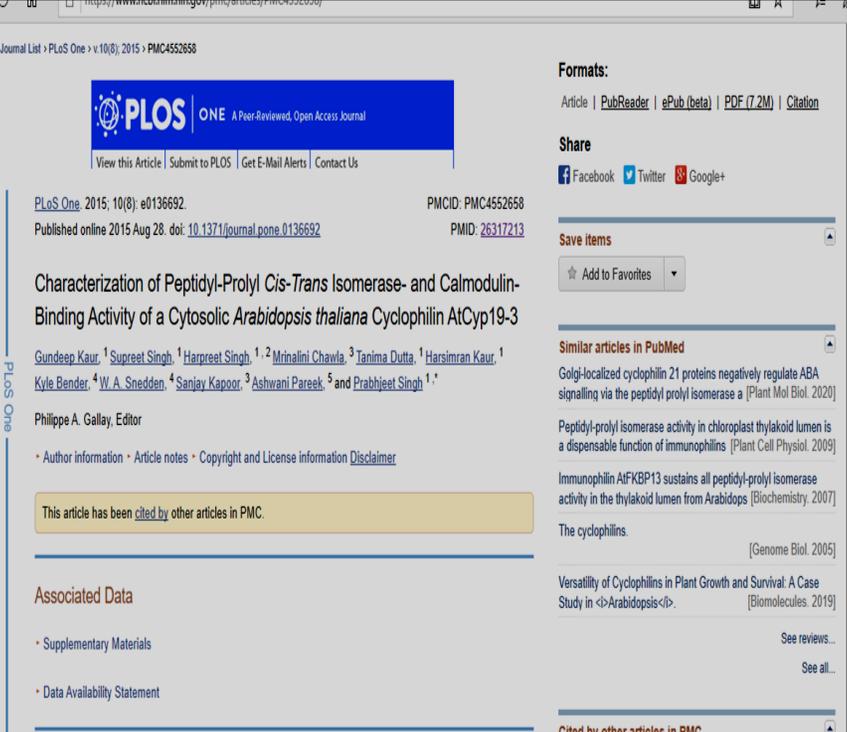
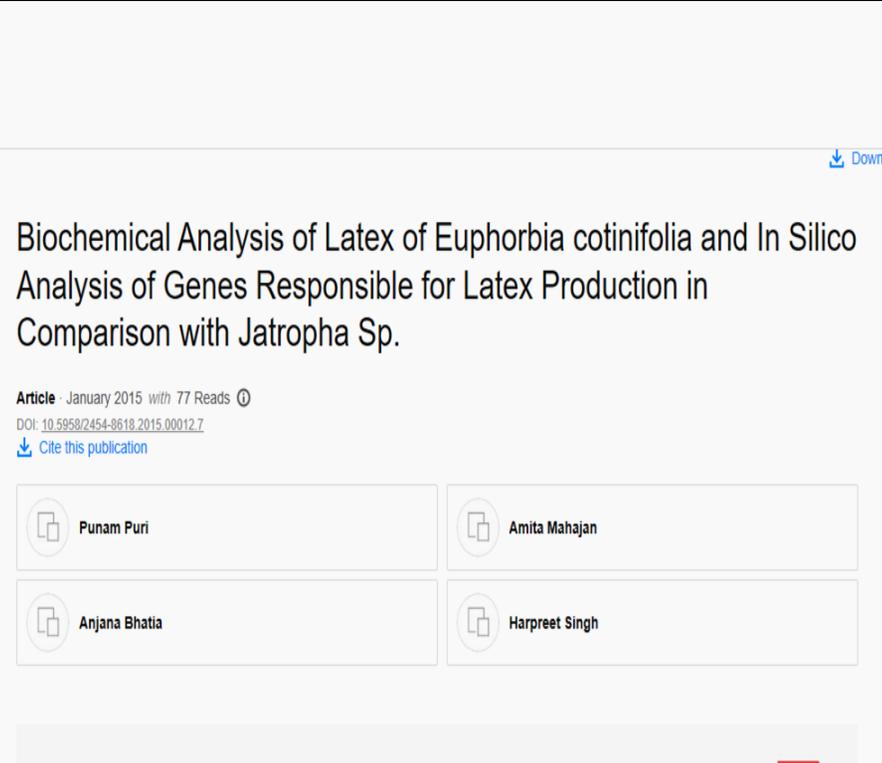
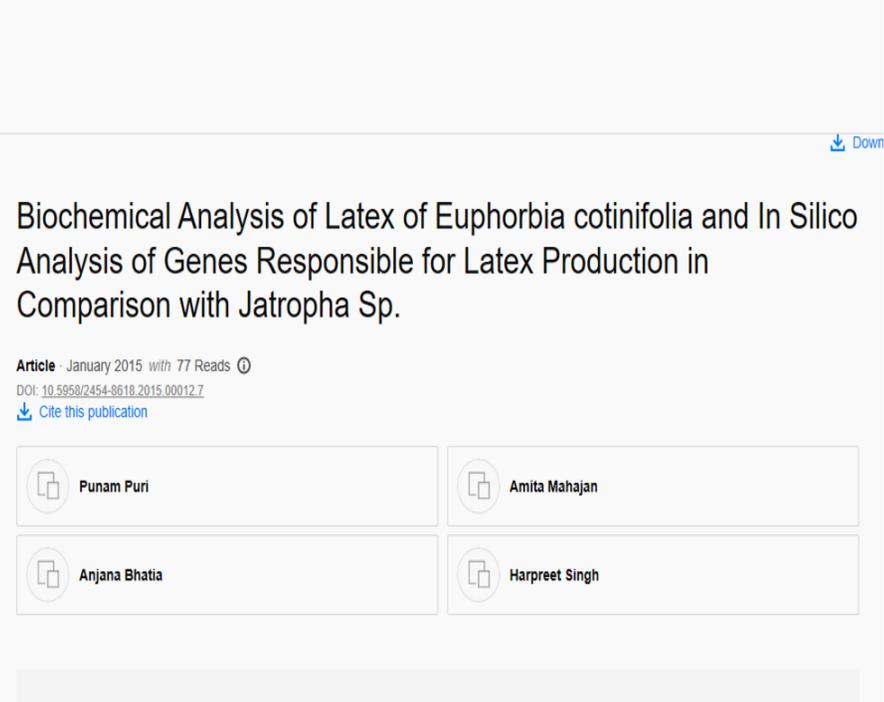


		2015-16		
S.NO	TITLE OF PAPER	NAME OF AUTHOR	NAME OF JOURNAL	PROOF
1	Characterization of Peptidyl-Prolyl Cis-Trans Isomerase and Calmodulin-Binding Activity of a Cytosolic <i>Arabidopsis thaliana</i> Cyclophilin at Cyp19-3 <a href="https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0136692">https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0136692</a>	Mr. Harpreet Singh	Plos One <a href="https://mjl.clarivate.com/search-results?issn=1932-6203&amp;hide_exact_match_fl=true&amp;utm_source=mjl&amp;utm_medium=share-by-link&amp;utm_campaign=search-results-share-this-journal">https://mjl.clarivate.com/search-results?issn=1932-6203&amp;hide_exact_match_fl=true&amp;utm_source=mjl&amp;utm_medium=share-by-link&amp;utm_campaign=search-results-share-this-journal</a>	 <p>The screenshot shows the PLOS ONE article page. The title is "Characterization of Peptidyl-Prolyl Cis-Trans Isomerase- and Calmodulin-Binding Activity of a Cytosolic <i>Arabidopsis thaliana</i> Cyclophilin AtCyp19-3". The authors listed are Gundeep Kaur, Supreet Singh, Harpreet Singh, Minalini Chawla, Tanima Dutta, Harsimran Kaur, Kyle Bender, W. A. Snedden, Sanjay Kapoor, Ashwani Pareek, and Prabhjeet Singh. The article was published online on August 28, 2015, with a DOI of 10.1371/journal.pone.0136692 and a PMID of 26317213. The page includes a "Share" section with links for Facebook, Twitter, and Google+. There is also a "Similar articles in PubMed" section with links to related research on cyclophilins and immunophilins.</p>

2	<p>Biochemical Analysis of Latex of <i>Euphorbia cotinifolia</i> and in Silico Analysis of Genes Responsible for Latex Production in Comparison with <i>Jatropha</i> Sp</p> <p><a href="https://www.researchgate.net/publication/282834311_Biochemical_Analysis_of_Latex_of_Euphorbia_cotinifolia_and_In_Silico_Analysis_of_Genes_Responsible_for_Latex_Production_in_Comparison_with_Jatropha_Sp">https://www.researchgate.net/publication/282834311_Biochemical_Analysis_of_Latex_of_Euphorbia_cotinifolia_and_In_Silico_Analysis_of_Genes_Responsible_for_Latex_Production_in_Comparison_with_Jatropha_Sp</a></p>	Mr. Harpreet Singh	Journal of Biofuels and Bioenergy	 <p>The screenshot shows the article title, a 'Down' button, the article title, the date 'January 2015', '77 Reads', the DOI '10.5958/2454-8618.2015.00012.7', and a 'Cite this publication' link. Below this are four author boxes: Punam Puri, Anjana Bhatia, Amita Mahajan, and Harpreet Singh.</p>
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3	<p>Biochemical Analysis of Latex of <i>Euphorbia cotinifolia</i> and in Silico Analysis of Genes Responsible for Latex Production in Comparison With <i>Jatropha</i> Sp.</p> <p><a href="https://www.researchgate.net/publication/282834311_Biochemical_Analysis_of_Latex_of_Euphorbia_cotinifolia_and_In_Silico_Analysis_of_Genes_Responsible_for_Latex_Production_in_Comparison_with_Jatropha_Sp">https://www.researchgate.net/publication/282834311_Biochemical_Analysis_of_Latex_of_Euphorbia_cotinifolia_and_In_Silico_Analysis_of_Genes_Responsible_for_Latex_Production_in_Comparison_with_Jatropha_Sp</a></p>	Dr. Anjana Bhatia	Journal of Biofuels and Bioenergy	 <p>Biochemical Analysis of Latex of <i>Euphorbia cotinifolia</i> and In Silico Analysis of Genes Responsible for Latex Production in Comparison with <i>Jatropha</i> Sp.</p> <p>Article · January 2015 with 77 Reads ⓘ  DOI: 10.5958/2454-8618.2015.00012.7  <a href="#">Cite this publication</a></p> <p>Punam Puri, Amita Mahajan, Anjana Bhatia, Harpreet Singh</p>
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4	<p>Comparative Study of HAAR Wavelet with Numerical Methods for Partial Differential Equations</p> <p><a href="https://ijpam.eu/contents/2015-101-4/4/4.pdf">https://ijpam.eu/contents/2015-101-4/4/4.pdf</a></p>	Dr. Sangeeta Arora	International Journal of Pure and Applied Mathematics	<p><b>International Journal of Pure and Applied Mathematics</b>  <b>Volume 101 No. 4 2015, 489-503</b>  ISSN: 1311-8080 (printed version); ISSN: 1314-3395 (on-line version)  url: <a href="http://www.ijpam.eu">http://www.ijpam.eu</a>  doi: <a href="http://dx.doi.org/10.12732/ijpam.v101i4.4">http://dx.doi.org/10.12732/ijpam.v101i4.4</a></p>  <p><b>COMPARATIVE STUDY OF HAAR WAVELET WITH NUMERICAL METHODS FOR PARTIAL DIFFERENTIAL EQUATIONS</b></p> <p>Sangeeta Arora<sup>1</sup>, Inderdeep Singh<sup>2</sup>,  Yadwinder Singh Brar<sup>3</sup>, Sheo Kumar<sup>4,5</sup></p> <p><sup>1</sup>Department of Computer Science  Punjab Technical University Jalandhar  144001, Punjab, INDIA</p> <p><sup>2,4</sup>Department of Mathematics  Dr. B.R. Ambedkar National Institute of Technology  Jalandhar, Punjab-144011, INDIA</p> <p><sup>3</sup>Department of Electrical Engineering  Guru Nanak Dev Engineering College  Ludhiana, INDIA</p> <p><b>Abstract:</b> A comparative study of Haar wavelet method with well known numerical methods (Schmidt method, Crank-Nicolson method and Du-Fort Frankel method )for numerical solutions of partial differential equations have been carried out. Numerical examples show that finite difference methods such as Schmidt method, Crank-Nicolson method and Du-Fort Frankel method are equivalent to Haar wavelet method.</p> <p><b>AMS Subject Classification:</b> 65M09</p>
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5	Numerical Solution of Wave Equation using HAAR Wavelet <a href="https://ijpam.eu/contents/2015-98-4/4/4.pdf">https://ijpam.eu/contents/2015-98-4/4/4.pdf</a>	Dr. Sangeeta Arora	International Journal of Pure and Applied Mathematics
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International Journal of Pure and Applied Mathematics  
 Volume 98 No. 4 2015, 457-469  
 ISSN: 1311-8080 (printed version); ISSN: 1314-3395 (on-line version)  
 url: <http://www.ijpam.eu>  
 doi: <http://dx.doi.org/10.12732/ijpam.v98i4.4>



NUMERICAL SOLUTION OF WAVE EQUATION  
 USING HAAR WAVELET

Inderdeep Singh<sup>1</sup>, Sangeeta Arora<sup>2</sup>, Sheo Kumar<sup>3,5</sup>

<sup>1,3</sup>Department of Mathematics  
 Dr. B.R. Ambedkar National Institute of Technology  
 Jalandhar, 144011, Punjab, INDIA

<sup>2</sup>PG Department Computer Science and IT  
 HMV College Jalandhar  
 144008, Punjab, INDIA

**Abstract:** Haar wavelet is a powerful mathematical tool used to solve various type of partial differential equations. The solutions obtained by Haar wavelet are more accurate and efficient. We present here a Haar wavelet method for numerical solution of wave equation. The numerical solution obtained here by the present method, are more accurate and better than that are presented in Shi [5].

**AMS Subject Classification:** 65M99

**Key Words:** wave equation, Haar wavelet, function approximation

1. Introduction

6	<p>Ethics in Information Technology and Law – A Mismatch  <a href="https://www.krishisanskriti.org/vol_image/04Jul201510071140%20%20%20%20Urvashi%20Sharma%20%20%20%20%20%20%20%20%20133-135.pdf">https://www.krishisanskriti.org/vol_image/04Jul201510071140%20%20%20%20Urvashi%20Sharma%20%20%20%20%20%20%20%20%20133-135.pdf</a></p>	Mrs. Urvashi Mishra	Advances in Computer Science and Information Technology	<p>Advances in Computer Science and Information Technology (ACSIT)  Print ISSN: 2393-9907; Online ISSN: 2393-9915; Volume 2, Number 2; January-March, 2015 pp. 133-135  © Krishi Sanskriti Publications  http://www.krishisanskriti.org/acsit.html</p> <hr/> <h2 style="text-align: center;">Ethics in Information Technology and Law– A Mismatch</h2> <p style="text-align: center;">Urvashi Sharma<sup>1</sup> and Subhash Sharma<sup>2</sup>  <sup>1</sup>Hans Raj Mahila Maha Vidyalaya, Jalandhar  <sup>2</sup>Principal St. Soldier Law College, Jalandhar  E-mail: <sup>1</sup>urvimishra@yahoo.com, <sup>2</sup>drsubhashsharma@yahoo.co.in</p> <hr/> <p><b>Abstract</b>—<i>Information Technology is a fastest growing technology of the present era. It has rapidly changed not only our lives but also the business, trade, commerce, education and research. Since all these areas of human life generate social relations, the interference of law, therefore, becomes obviously essential. In this area of inter-se relation of law and Information Technology, set in motion by United Nation General Assembly Resolution of 30<sup>th</sup> January, 1997 adopting the Model Law on Electronic Commerce by the United Nations Commission on International Trade Law, paved a way for (Indian) Information Technology Act 2000.</i></p> <p><i>In this game of providing floods of information alluring the businessman and scholars to learn and use foul means for financial and academic advantages at the cost of loss to the other parties, the violators are far more clever and aware than those engaged in putting them in place and deterring the offenders by heavy punishments. Recalcitrantly, the law though continuously upgrading and equipping itself by way of rapid amendments in the laws on Information Technology, Intellectual Property as well as Penal Substantial and Procedural Areas, yet leaves a wide gap unbridged. Even otherwise, ethics are not only law embraced but much more that is a regulated by the moral and social agency.</i></p> <p>etc., etc.. All this shows that when such violations are largely on the increase, law seems to be lacking and lagging despite periodic amendments in the law. International boundaries have also been broken in the area of IT, may be education, business or trade, but the ethical issues in IT as well as in law are yet confined to the national systems. Therefore, an international set of legal and IT ethics is required to be worked out and implemented.</p> <p><b>2. LITERATURE REVIEW</b></p> <p>The authors have searched and scanned 8 articles in the area of our interest.</p> <p><b>'Information Technology Ethics, Professionalism and Law'</b> by <b>Ossama Khalil</b>, [1], identifies the areas of violation in IT and categorizes them as Equity, Privacy, and Honesty guidelines to distinguish the right from the wrong. He underlines self-regulation by the nations.</p>
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7	<p>Role of Computer in Physics Education-A Review</p> <p><a href="https://www.journalcra.com/article/role-computers-physics-education---review">https://www.journalcra.com/article/role-computers-physics-education---review</a></p>	Mrs. Sakhuja Geeta	International Journal of Current Research
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**INTERNATIONAL JOURNAL OF CURRENT RESEARCH**  
 (PEER REVIEWED OPEN ACCESS JOURNAL: FAST PUBLICATION) ISSN: 0975-833X; IMPACT FACTOR: 7.749

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**Author:** Geeta Sakhuja  
**Subject Area:** Physical Sciences and Engineering  
**Abstract:**

Physics is said to be difficult subject. Physics learning is not an easy task. There is strong evidence all over the world that physics students are not learning the concepts necessary for a good understanding of the physics world. Their learning of scientific facts remains in the classroom only. The computer is one of the most brilliant gifts of science having characteristics of speed, accuracy, reliability and integrity. It can execute over a million instructions per second without any mistake. It can carry our calculation in just a few minutes that would require month if carried out manually. The computational techniques have provided a friend and servant to science, technology and industry. In the present learning process computers are being used for enhancing physics learning also. They can be used to analyze and visualize data, communicate results, run experiment and monitor equipment. Computing can play an important and varied role in advancing physics learning. We point out role of computational techniques namely Simulations, Multimedia, Virtual Reality, Telematics and computer based labs which may deal with those difficulties and increase the learning process. Some good computer programs for learning physics exist. Emergent computational tools and new development in learning theories have contributed to change in education. But we are still in the middle of change process. The main objective of this paper is to discuss role of computer to understand physics and strengthen science and technology.

**ANNOUNCEMENT**

IMPACT FACTOR 2019

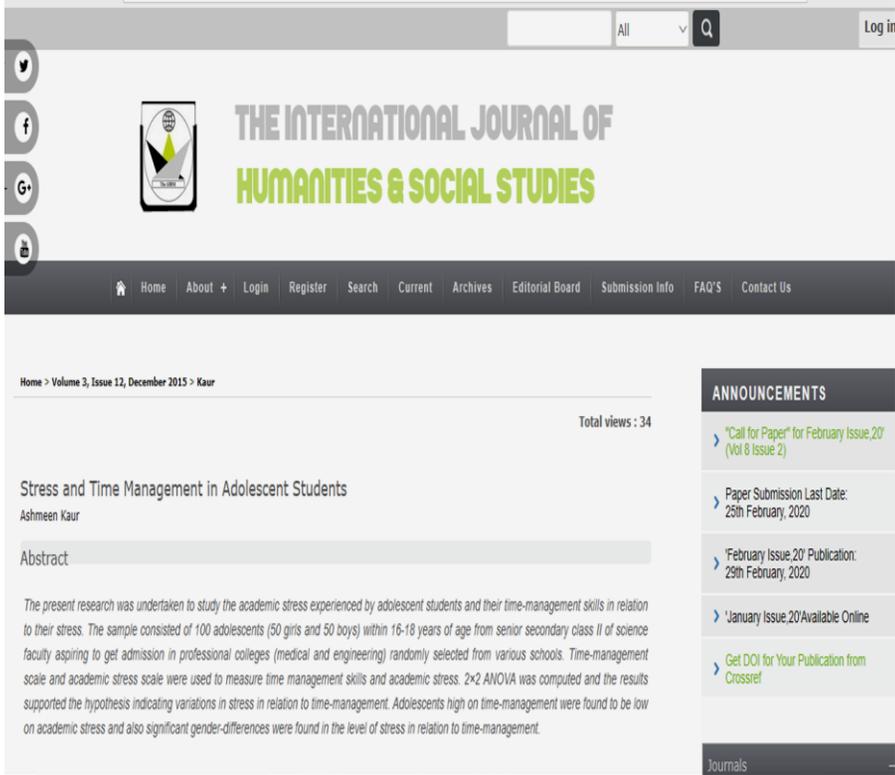
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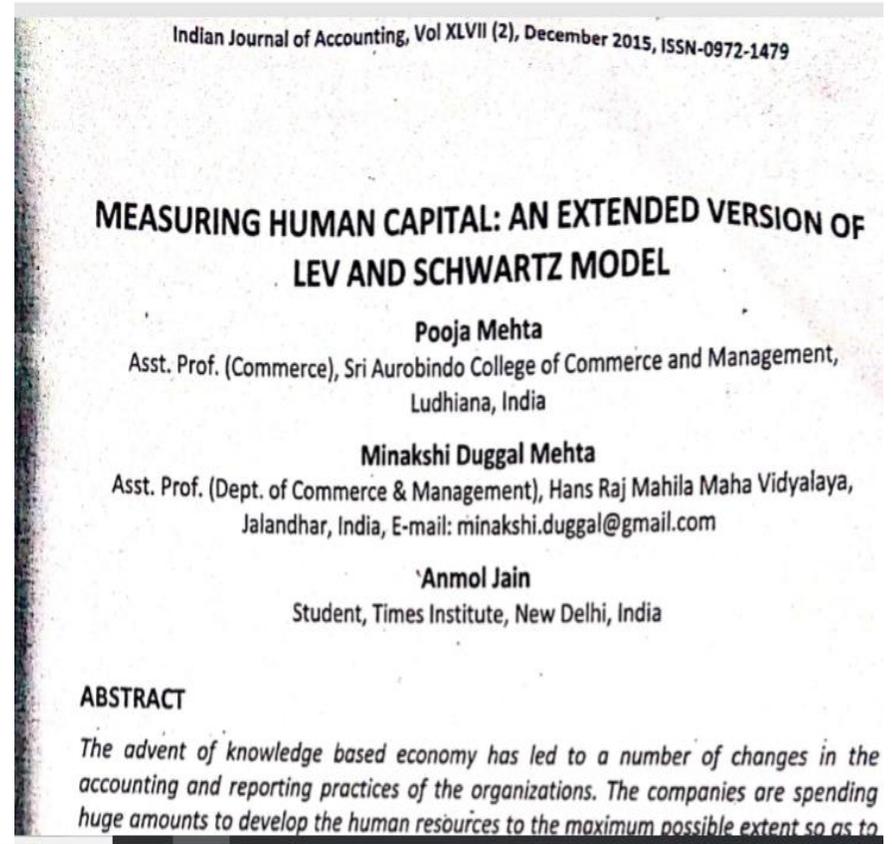
8	<p>Challenges in Good Governance: Political Instability, Judicial Accountability, Corruption, Unemployment</p> <p><a href="http://www.onlinejournal.in/IJIRV2I4/216.pdf">http://www.onlinejournal.in/IJIRV2I4/216.pdf</a></p>	Mrs. Geeta Sakhuja	Imperial Journal of Interdisciplinary Research	<p>Imperial Journal of Interdisciplinary Research (IJIR) Vol-2, Issue-4, 2016 ISSN: 2454-1362, <a href="http://www.onlinejournal.in">http://www.onlinejournal.in</a></p> <hr/> <p style="text-align: center;"><b>Challenges in Good Governance: Political Instability, Judicial Accountability, Corruption, Unemployment</b></p> <p style="text-align: center;">Geeta Sakhuja Department of Physics, Hans Raj Mahila Maha Vidyalaya College, Jalandhar, Punjab, India</p> <hr/> <p><i>Abstract: The concept of "good governance" often emerges as a model to compare ineffective economies or political bodies with viable economies and political bodies it is an indeterminate term used in international development literature to describe how public institutions conduct public affairs and manage public resources. The concept centers on the responsibility of governments and governing bodies to meet the needs of the masses as opposed to select groups in society because countries often described as "most successful" are Western liberal democratic states, concentrated in Europe and the Americas, good governance standards often measure other state institutions against these states. Aid organizations and the authorities of developed countries often focus the meaning of "good governance" to a set of requirements that conform to the organization's agenda, making</i></p> <p><b>POLITICAL INSTABILITY</b></p> <p>The Political instability or changes in the government in India could delay the liberalization of the Indian economy and adversely affect economic conditions in India generally, which could impact our financial results and prospects. Since 1991, successive Indian governments have pursued policies of economic liberalization, including significantly relaxing restrictions on the private sector. Nevertheless, the roles of the Indian central and state governments in the Indian economy as producers, consumers and regulators have remained significant. The leadership of India has changed many times. The current central government has announced policies and taken initiatives that support the economic liberalization policies that have been pursued by previous central governments. However, we cannot assure you that</p>
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9	<p>Kinetic and Thermodynamic Study of Dye Removal by Carbonized <i>Eucalyptus</i> Bark and its Surface Derivatives  <a href="https://www.imedpub.com/articles/kinetic-and-thermodynamic-study-of-dye-removal-by-carbonized-eucalyptusbark-and-its-surface-derivatives.pdf">https://www.imedpub.com/articles/kinetic-and-thermodynamic-study-of-dye-removal-by-carbonized-eucalyptusbark-and-its-surface-derivatives.pdf</a></p>	Dr. Ekta Khosla	<p>Pelagia Research Library:  Der Chemica Sinica</p>	<div style="text-align: center;"> <p>Available online at <a href="http://www.pelagiaresearchlibrary.com">www.pelagiaresearchlibrary.com</a></p>  <p><b>Pelagia Research Library</b>  Der Chemica Sinica, 2015, 6(12):41-54</p>  <p><b>Der Chemica Sinica</b>  Pelagia Research Library  ISSN: 0976-8505  CODEN (USA) CSHIA5</p> <p><b>Kinetic and thermodynamic study of dye removal by carbonized eucalyptus bark and its surface derivatives</b></p> <p><b>Ekta Khosla<sup>a</sup>, Satindar Kaur<sup>b</sup> and Pragnesh N. Dave<sup>*c</sup></b></p> <p><sup>a</sup>Department of Chemistry, Hans Raj Mahila Mahavidyalaya, Jalandhar(Punjab), India  <sup>b</sup>Department of Food Sciences and Technology, Guru Nanak Dev University, Amritsar(Punjab), India  <sup>c</sup>Department of Chemistry, Krantiguru Shyamji Krishna Verma Kachhh University, Mundra Road, Bhuj(Gujarat), India</p> <hr/> <p><b>ABSTRACT</b></p> <p><i>Adsorption of basic dye on carbonized Eucalyptus bark and its surface derivatives has been investigated. Several experiments have been carried out by using batch adsorption technique. Basic violet 10(Rhodamine B) has been used as a model dye and the effects of process variables like effect of adsorbent dosage, pH, contact time, temperature; initial dye concentration has been evaluated. The adsorption of basic violet 10 was found to take place at pH&gt;pH<sub>zpc</sub> for all the adsorbents. Thermodynamic parameters like <math>\Delta G^\circ</math>, <math>\Delta H^\circ</math> and <math>\Delta S^\circ</math> are determined and the processes were found to be entropy driven in nature. The study highlights the application of low cost carbons for the removal of dyes from aqueous medium by the ion exchange process. The kinetics followed was first order and Langmuir and Freundlich isotherm fitted the data well. Scanning electron microscopic analysis and Fourier transform infra red spectroscopy (FTIR) reveals a noticeable surface morphology change with electrostatic complexation after surfactant modification.</i></p> </div>
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10	<p>Stress and Time Management in Adolescent Students</p> <p><a href="http://internationaljournalcoerner.com/index.php/theijhss/article/view/126522">http://internationaljournalcoerner.com/index.php/theijhss/article/view/126522</a></p>	Dr. Ashmeen Kaur	International Journal of Humanities and Social Studies	 <p>The screenshot shows the website for 'THE INTERNATIONAL JOURNAL OF HUMANITIES &amp; SOCIAL STUDIES'. The article title is 'Stress and Time Management in Adolescent Students' by Ashmeen Kaur. The abstract text reads: 'The present research was undertaken to study the academic stress experienced by adolescent students and their time-management skills in relation to their stress. The sample consisted of 100 adolescents (50 girls and 50 boys) within 16-18 years of age from senior secondary class II of science faculty aspiring to get admission in professional colleges (medical and engineering) randomly selected from various schools. Time-management scale and academic stress scale were used to measure time management skills and academic stress. 2x2 ANOVA was computed and the results supported the hypothesis indicating variations in stress in relation to time-management. Adolescents high on time-management were found to be low on academic stress and also significant gender-differences were found in the level of stress in relation to time-management.' The page also features a sidebar with 'ANNOUNCEMENTS' including 'Call for Paper' for February Issue, 2020, and 'January Issue, 2020 Available Online'.</p>
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11	<p>Academic Stress and Time Management in Adolescents  <a href="https://www.researchgate.net/publication/288876125_Academic_Stress_And_Time_Management_In_Adolescents">https://www.researchgate.net/publication/288876125_Academic_Stress_And_Time_Management_In_Adolescents</a></p>	Dr.Ashmeen Kaur	Valley International Journals	<hr/> <div style="text-align: center;">  <p><b>Valley International Journals</b>  <small>Open Access Journal</small></p> <p><i>New Thinking New Innovation</i></p> </div> <hr/> <p style="text-align: center;"> <i>The International Journal of Social Sciences and Humanities Invention</i>      Volume 3 issue 1 2016 page no.1790-1792 ISSN: 2349-2031      Available Online At: <a href="http://vallevinternational.net/index.php/our-iou/theijsshi">http://vallevinternational.net/index.php/our-iou/theijsshi</a> </p> <p style="text-align: center;"><b>Academic Stress And Time Management In Adolescents</b></p> <p style="text-align: center;"><i>Dr. Ashmeen Kaur</i>      Asst. Professor, Dept. of Psychology, Hans Raj Mahila Mahavidalaya, Jalandhar      Email: <a href="mailto:ashmeen1975@yahoo.co.in">ashmeen1975@yahoo.co.in</a></p> <div style="border: 1px solid black; padding: 5px; margin: 10px 0;"> <p><b>ABSTRACT:</b>  <i>Adolescence is a stage of storm and stress, identity crisis and role confusions. Transitions and changes mark this crucial phase of development. Adolescents going through physiological and psychological changes have to decide on their vocational goals and at the same time have to meet their family and social demands. There is too much pressure to decide on vocational goals which leads to stress. Stress is created by parents, teachers, peers and significant others in an adolescent's life .Perception of stress is an individual perceptual phenomenon rooted in psychological process. There is so much to be accomplished in too little a time. Adolescent students feel scarcity of time always. Time management is the ability to prioritize, schedule and execute personal responsibilities. The present paper would give an insight as to how management of time would alter students' perception of stress.</i></p> </div> <p><b>Key Words :</b> <i>Adolescence, Academic stress, Time management</i></p> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p><b>Adolescence</b> is a significant period in life course making the transition from childhood to the responsibilities of adult life. It is a period of rapid change, marked by physical, psychological, and cognitive changes as well as changes in</p> </div> <div style="width: 45%;"> <p>Most of the times their interests and aptitudes are not taken into consideration.</p> <p>Stress is created by parental pressure to perform and stand out among other children. So many things are crammed into</p> </div> </div>
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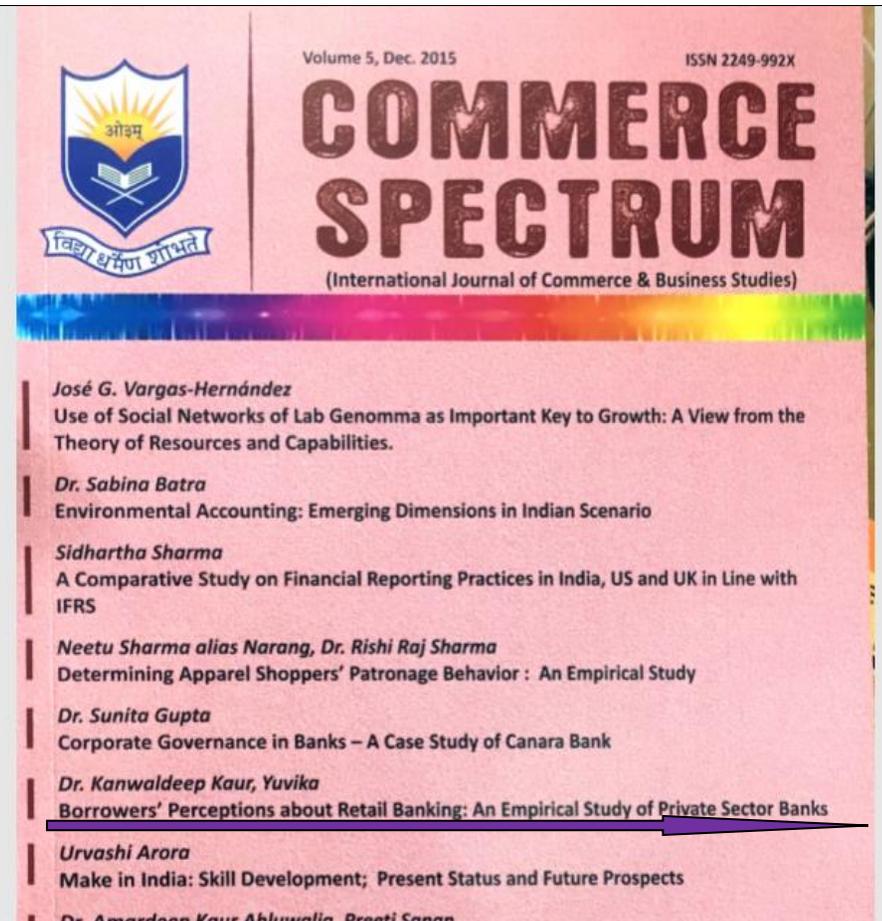
12	Measuring Human Capital: An Extended Version of Lev & Schwartz Model	Dr. Minakshi Duggal	Indian Journal of Accounting
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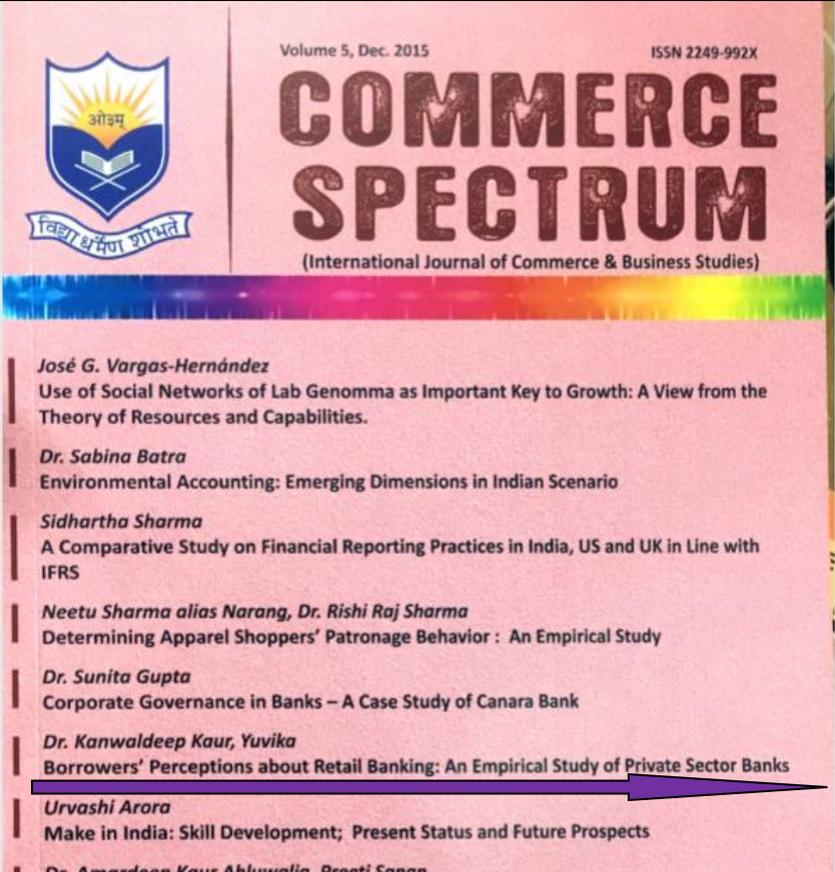


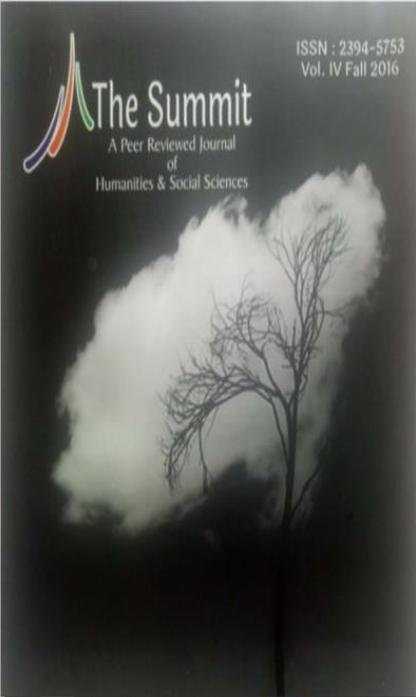
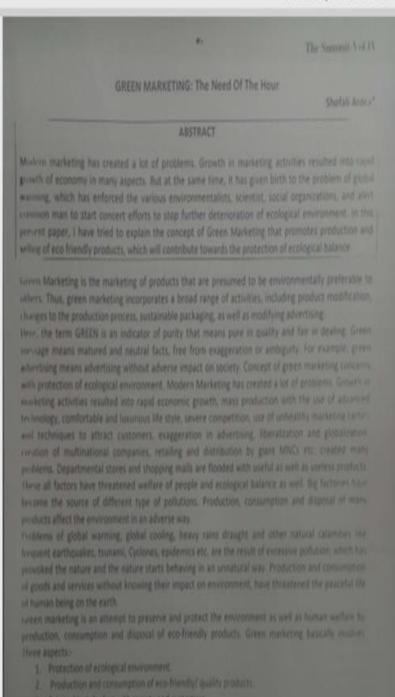
13	<p>Antecedents to Academic Performance of College Students: An Empirical Investigation  <a href="https://journals.sagepub.com/doi/abs/10.1177/0971890715609992">https://journals.sagepub.com/doi/abs/10.1177/0971890715609992</a></p>	Dr. Minakshi Duggal	Paradigm
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The screenshot shows the SAGE Journals interface. At the top, there is a navigation bar with the SAGE Journals logo, search, browse, and resources options. Below this is a header for the journal 'Paradigm' with the logo of the Institute of Management Technology, Ghazabad. The main content area features an 'Article Menu' on the left with buttons for 'Access Options', 'Download PDF', and 'Article Metrics'. The article title is 'Antecedents to Academic Performance of College Students: An Empirical Investigation' by Minakshi Duggal and Pooja Mehta. The abstract text reads: 'Academic performance of students is affected by a number of factors. The aim of this study is to investigate the antecedents to the academic performance of college students. The data analysis was done with SPSS factor analysis and chi-square test.' On the right side, there is a 'SAGE Recommends' vertical bar and a 'Vikalpa: The Journal for Decision Makers' logo.

14	Borrower's Perception About Retail Banking: An Empirical Study of Private Sector Banks	Dr. Kanwaldeep Kaur	Commerce Spectrum
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15	Borrower's Perception about Retail Banking: An Empirical Study of Private Sector Banks	Mrs. Yuvika	Commerce Spectrum	 <p>Volume 5, Dec. 2015 ISSN 2249-992X</p> <h1>COMMERCE SPECTRUM</h1> <p>(International Journal of Commerce &amp; Business Studies)</p> <p><i>José G. Vargas-Hernández</i> Use of Social Networks of Lab Genomma as Important Key to Growth: A View from the Theory of Resources and Capabilities.</p> <p><i>Dr. Sabina Batra</i> Environmental Accounting: Emerging Dimensions in Indian Scenario</p> <p><i>Sidhartha Sharma</i> A Comparative Study on Financial Reporting Practices in India, US and UK in Line with IFRS</p> <p><i>Neetu Sharma alias Narang, Dr. Rishi Raj Sharma</i> Determining Apparel Shoppers' Patronage Behavior : An Empirical Study</p> <p><i>Dr. Sunita Gupta</i> Corporate Governance in Banks – A Case Study of Canara Bank</p> <p><i>Dr. Kanwaldeep Kaur, Yuvika</i> <b>Borrowers' Perceptions about Retail Banking: An Empirical Study of Private Sector Banks</b></p> <p><i>Urvashi Arora</i> Make in India: Skill Development; Present Status and Future Prospects</p> <p><i>Dr. Amardeep Kaur Ahluwalia, Preeti Sangan</i></p>
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16	Green Marketing: The Need of the Hour	Mrs. Shaefali	The Summit, A Peer Reviewed Journal of Humanities & Social Sciences.		
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17	<p>An Improved Energy Efficient AODP Routing Protocol for MANETs  <a href="https://search.proquest.com/openview/ccb542667704bcfd954a641330fad25f/1?pq-origsite=gscholar&amp;cbl=1606379">https://search.proquest.com/openview/ccb542667704bcfd954a641330fad25f/1?pq-origsite=gscholar&amp;cbl=1606379</a></p>	Mr. Ravinder Mohan Jindal	International Journal of Advanced Research in Computer Science	<div style="text-align: right; border: 1px solid black; padding: 2px;">ISSN No. 0976-5697</div> <p style="text-align: center;">Volume 6, No. 7, September-October 2015</p> <p style="text-align: center;"><b>International Journal of Advanced Research in Computer Science</b></p> <p style="text-align: center;"><b>RESEARCH PAPER</b></p> <p style="text-align: center;">Available Online at <a href="http://www.ijarcs.info">www.ijarcs.info</a></p> <p style="text-align: center;"><b>An Improved Energy Efficient AODV Routing Protocol for MANETs</b></p> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p style="text-align: center;">Mr. Ravinder Mohan Jindal Ph.d Student of Sant Baba Bhag Singh University Adampur (Punjab) India</p> <p style="text-align: center;">Mrs. Leekha Jindal Ph.d Student of Sant Baba Bhag Singh University Adampur(Punjab) India</p> </div> <div style="width: 45%;"> <p style="text-align: center;">Mr Lekh Raj <i>M.Tech Student of CDLU ,Sirsa, (Punjab) India</i></p> <p style="text-align: center;">Mr. Vidhu Vohra Assistant Professor in PG Department of <i>Computer SC &amp; IT</i> Hans Raj Mahila Maha Vidyalaya Jalandhar City, (Punjab) India</p> </div> </div> <hr/> <p><b>Abstract</b>— MANETs are a collection of unstructured wireless mobile nodes which provides independence and scalability for mobile topologies. Energy conservation being cardinal in applications such as Emergency and Military operations requires energy efficient solutions. The proposed work is a newer variation of the AODV routing protocol, which tackles major issues in MANETs like adaptability and energy efficiency. It is achieved by evaluating energy values of the nodes and forwarding packets along least drained nodes path, making the network adaptive in nature. Performance evaluation with respect to network lifetime, throughput, packet delivery ratio, end-to-end delay is done using simulation tools like NS2/QualNet.</p> <p><b>Keywords</b>- MANETs, energy efficiency, drain count, NS2, network lifetime</p> <hr/> <p style="text-align: center;"><b>I. INTRODUCTION</b></p> <p>In today's fast evolving era, wireless communication is bringing fundamental changes to the field of data networking design an energy efficient routing protocol for MANETs by integrating the principles of AODV protocol and drain count (energy metric) in order to obtain increased overall network lifetime to conserve the battery life of mobile nodes.</p>
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18	<p>An Improved Energy Efficient AODP Routing Protocol for MANETs  <a href="https://search.proquest.com/openview/ccb542667704bcfd954a641330fad25f/1?pq-origsite=gscholar&amp;cbl=1606379">https://search.proquest.com/openview/ccb542667704bcfd954a641330fad25f/1?pq-origsite=gscholar&amp;cbl=1606379</a></p>	Mr. Vidhu Vohra	International Journal of Advanced Research in Computer Science	<div style="text-align: right;">ISSN No. 0976-5697</div> <div style="text-align: center;">  <p>Volume 6, No. 7, September-October 2015  <b>International Journal of Advanced Research in Computer Science</b>  <b>RESEARCH PAPER</b>  Available Online at <a href="http://www.ijarcs.info">www.ijarcs.info</a></p> <p><b>An Improved Energy Efficient AODV Routing Protocol for MANETs</b></p> <p>Mr. Ravinder Mohan Jindal  Ph.d Student of Sant Baba Bhag Singh University Adampur (Punjab) India</p> <p>Mr. Leekha Jindal  Ph.d Student of Sant Baba Bhag Singh University Adampur(Punjab) India</p> <p>Mr Lekh Raj  M.Tech Student of CDLU, Sirsa, (Punjab) India</p> <p>Mr. Vidhu Vohra  Assistant Professor in PG Department of Computer SC &amp; IT Hans Raj Mahila Maha Vidyalaya Jalandhar City, (Punjab) India</p> <hr/> <p><b>Abstract</b>— MANETs are a collection of unstructured wireless mobile nodes which provides independence and scalability for mobile topologies. Energy conservation being cardinal in applications such as Emergency and Military operations requires energy efficient solutions. The proposed work is a newer variation of the AODV routing protocol, which tackles major issues in MANETs like adaptability and energy efficiency. It is achieved by evaluating energy values of the nodes and forwarding packets along least drained nodes path, making the network adaptive in nature. Performance evaluation with respect to network lifetime, throughput, packet delivery ratio, end-to-end delay is done using simulation tools like NS2/QualNet.</p> <p><b>Keywords</b>- MANETs, energy efficiency, drain count, NS2, network lifetime</p> <hr/> <p><b>I. INTRODUCTION</b></p> <p>In today's fast evolving era, wireless communication is bringing fundamental changes to the field of data networking design an energy efficient routing protocol for MANETs by integrating the principles of AODV protocol and drain count (energy metric) in order to obtain increased overall network lifetime to conserve the battery life of mobile nodes.</p> </div>
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19	Food Security in India - Challenges and Policy Imperatives	Ms. Shallu Batra	Purva Mimmansa-A Multi-Disciplinary Biannual Research Journal	<p style="text-align: right;">Vol. 6 No. 12 ISSN : 0976-0237</p> <p style="text-align: center;">(Peer Reviewed)</p> <h3 style="text-align: center;">Food Security in India- Challenges and Policy Imperatives</h3> <p style="text-align: right;">Shallu Batra*</p> <p>Food security refers to household's physical and economical access to sufficient, safe and nutritious food that fulfills the dietary needs and food preference of household for living an active and healthy life. Food security involves adequate physical availability of food in quantitative as well as qualitative terms to the entire population in a country. Food security does not only mean acquiring only self sufficiency, rather it also need attainment of lively, reliable and nutritionally adequate supply of food. World Health Organization defines food security as having 3 facts "food availability, food access and food use". Hence, Food Security has three dimensions-</p> <p>Food availability refers to available sufficient quantities of food on a consistent basis i.e. total food production in the country plus the imported food plus buffer stocks maintained in govt. granaries like FCI in previous years.</p> <ul style="list-style-type: none"> <li>• Food accessibility refers to sufficient resources both economic and physical to obtain appropriate food for nutritious diet i.e. food should be within the reach of every person, which means an individual should have enough money to buy proper, safe and nutritious food to meet his dietary needs.</li> <li>• Food usability refers to appropriate use based knowledge of basic nutrition and care as well as adequate water sanitation</li> </ul> <p>FAO added 4th fact to this definition that is Food Stability refers to the stability of first three dimensions of food security over time.</p> <p>Food security at the national level refers mainly to availability in the country of sufficient stocks of food through domestic supply or through imports. Attainment of self sufficiency depends on the fluctuations in the post-</p>
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20	An Empowering Woman for Self Sustained Inclusive Growth	Ms.Shallu Batra	Journal of University Institute of Legal Studies
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1405	63320	Kragujevac Journal of Science	Univ	Science	14509636		RWTH Publication	Reject:Primary Criteria
1406	63321	Industrial Engineering Journal	Univ	Science	09702555		Indian Institute of Industrial Engineering	Reject:Primary Criteria
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1408	63339	The Journal of Development Practice	Univ	Arts & Humanities	23940476		Assam Don Bosco University	Reject:Primary Criteria
1409	63344	Journal of Information Technology and Library Science	Univ	Arts & Hum	23479760		Enriched Publications Information Database	Reject:Primary Criteria
1410	63345	ICFAI Journal of Intellectual Property Rights	Univ	Social Scie	09726926		ICFAI University Press Hyderabad	Reject:Primary Criteria

21	<p>Potentiality of Selected Plants Species of the Euphorbiaceae and Moraceae Family for Biofuel production</p> <p><a href="https://www.researchgate.net/publication/282517392_Potentiality_of_Selected_Plant_Species_of_the_Euphorbiaceae_and_Moraceae_family_for_Biofuel_Production">https://www.researchgate.net/publication/282517392_Potentiality_of_Selected_Plant_Species_of_the_Euphorbiaceae_and_Moraceae_family_for_Biofuel_Production</a></p>	Dr. Anjana Bhatia	Journal of Biofuels and Bioenergy.
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## Potentiality of Selected Plants Species of the Euphorbiaceae and Moraceae family for Biofuel Production

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Navjot Kaur



Anjana Bhatia



Amita Mahajan

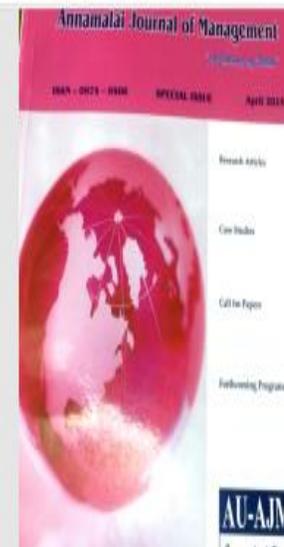


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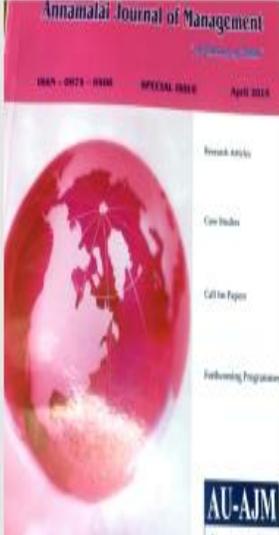
### Abstract

In recent years, the increase in industrialization, motorization and levels of greenhouse pollution from the combustion of fossil fuel has promoted interest in the use of biofuels worldwide. The large dependence on biofuels is encouraging from environmental and economic point of view. as

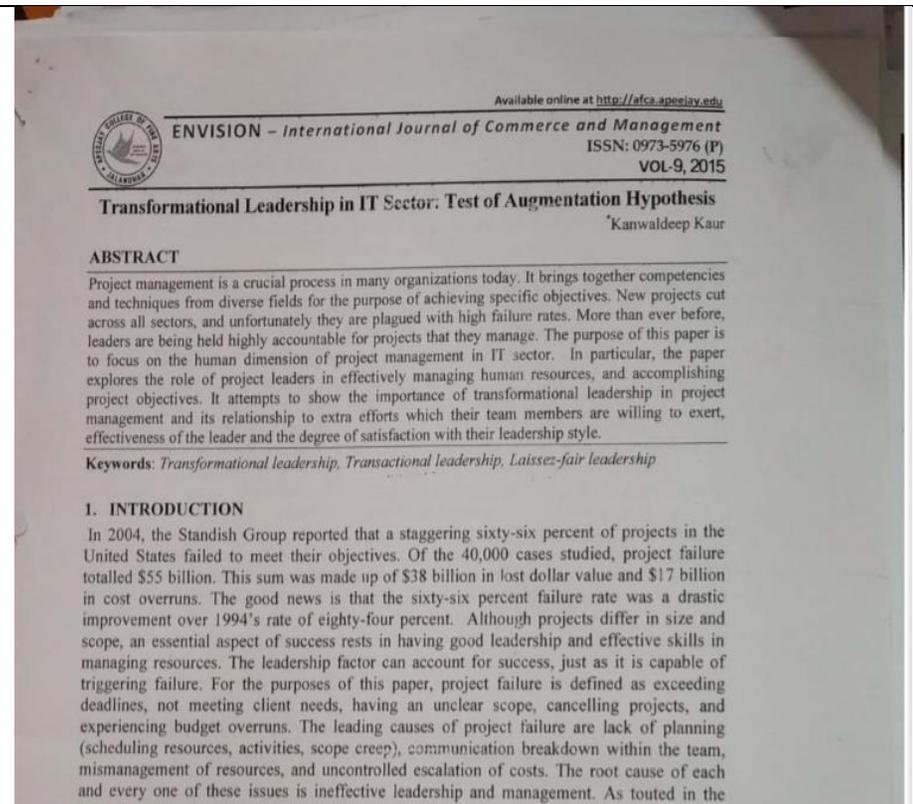
22	<p>A Study of Brand Building through CSR:A Case Study of ICICI Bank</p>	Mrs. Yuvika	Anamalai Journal of Management- Journal of virtu
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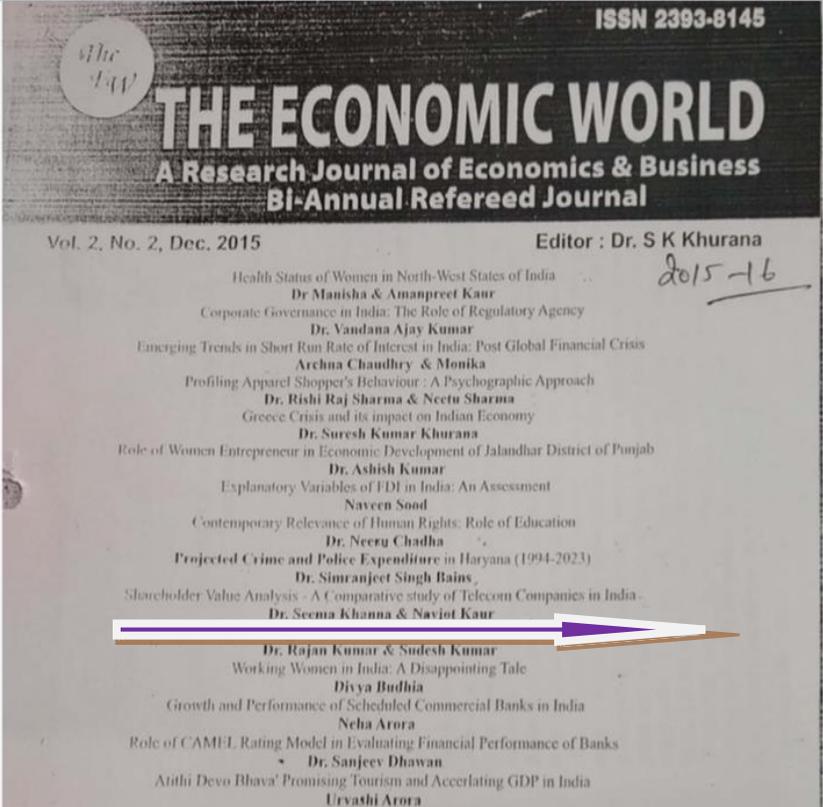


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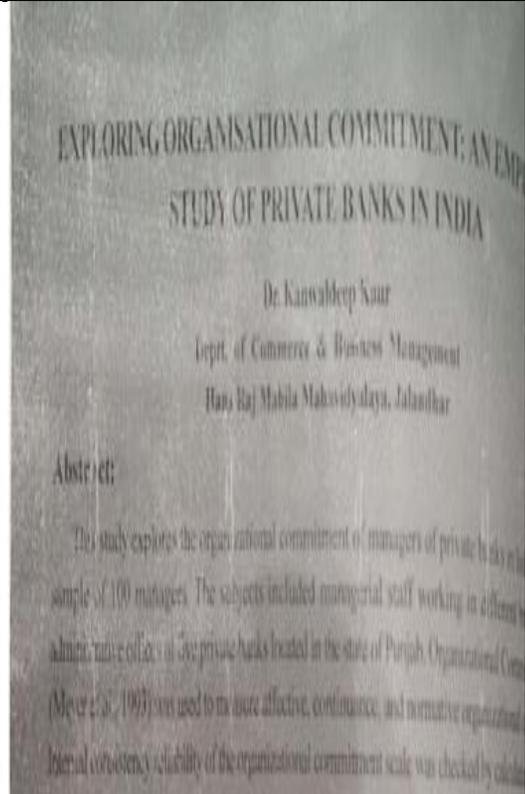
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24	Transformational Leadership in IT sector - Test of Augmentation Hypothesis	Dr. Kanwaldeep Kaur	ENVISION- International Journal of Commerce and Management <a href="https://www.hrmmv.org/documents/removedlist/JournalsRemovedfromUGC-ApprovedListofJournals.pdf">https://www.hrmmv.org/documents/removedlist/JournalsRemovedfromUGC-ApprovedListofJournals.pdf</a>
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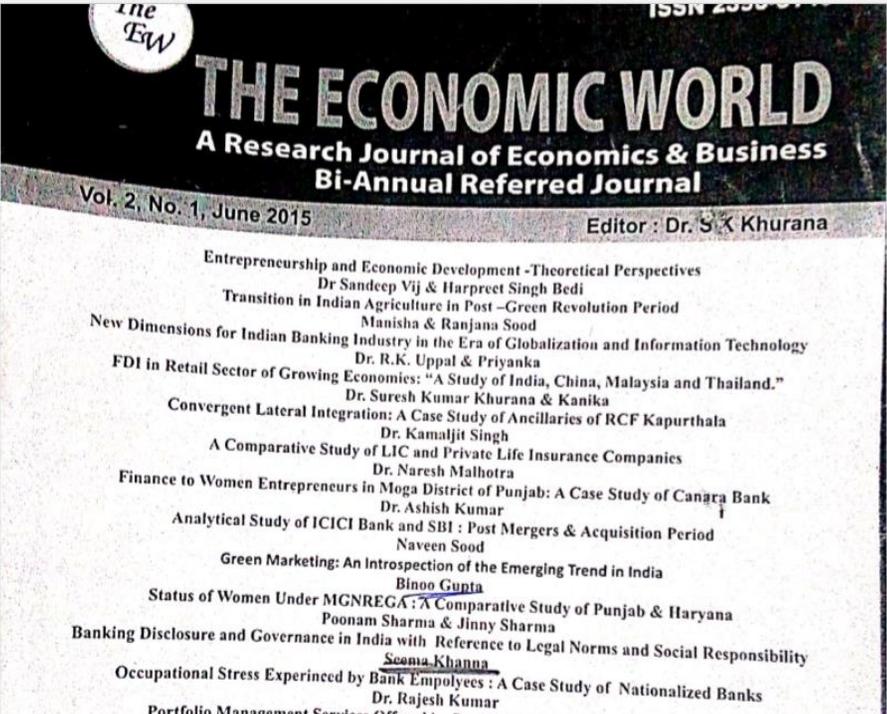
25	Shareholder Value analysis -A Comparative Study of Telecom Industries in India	Dr. Khanna  Seema	The Economic World-A Research Journal of Economics and Business	 <p>ISSN 2393-8145</p> <p><b>THE ECONOMIC WORLD</b> A Research Journal of Economics &amp; Business Bi-Annual Refereed Journal</p> <p>Vol. 2, No. 2, Dec. 2015 Editor : Dr. S K Khurana</p> <p>Health Status of Women in North-West States of India <b>Dr. Manisha &amp; Amanpreet Kaur</b></p> <p>Corporate Governance in India: The Role of Regulatory Agency <b>Dr. Vandana Ajay Kumar</b></p> <p>Emerging Trends in Short Run Rate of Interest in India: Post Global Financial Crisis <b>Archana Chaudhry &amp; Monika</b></p> <p>Profiling Apparel Shopper's Behaviour: A Psychographic Approach <b>Dr. Rishi Raj Sharma &amp; Nectur Sharma</b></p> <p>Greece Crisis and its impact on Indian Economy <b>Dr. Suresh Kumar Khurana</b></p> <p>Role of Women Entrepreneur in Economic Development of Jalandhar District of Punjab <b>Dr. Ashish Kumar</b></p> <p>Explanatory Variables of FDI in India: An Assessment <b>Navcen Sood</b></p> <p>Contemporary Relevance of Human Rights: Role of Education <b>Dr. Neeru Chadha</b></p> <p>Projected Crime and Police Expenditure in Haryana (1994-2023) <b>Dr. Simranjeet Singh Bains</b></p> <p>Shareholder Value Analysis - A Comparative study of Telecom Companies in India. <b>Dr. Seema Khanna &amp; Naviot Kaur</b></p> <p><b>Dr. Rajan Kumar &amp; Sudesh Kumar</b></p> <p>Working Women in India: A Disappointing Tale <b>Divya Budhia</b></p> <p>Growth and Performance of Scheduled Commercial Banks in India <b>Neha Arora</b></p> <p>Role of CAMEL Rating Model in Evaluating Financial Performance of Banks <b>Dr. Sanjeev Dhawan</b></p> <p>Atithi Devo Bhava' Promising Tourism and Accelerating GDP in India <b>Urvashi Arora</b></p> <p>2015-16</p>
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26	Metro Sexual man and Menis Cosmetic Product Market Segment	Mrs. Meenu Kundra	Emphasis-A Journal of Social sciences	<p>Emphasis : A Journal of Social Sciences Vol. 3, 2015</p> <p><b>METRO-SEXUAL MAN AND MENIS COSMETIC PRODUCT MARKET SEGMENT</b></p> <p><i>Meenu Kundra*</i></p> <p><b>ABSTRACT</b></p> <p><i>Metro-sexual man is usually a heterosexual straight stylish urban male who has a strong sensitive aesthetic sense and inordinat: interest in his personal appearance due to fastidious grooming, stylish living, beauty treatments, art of decorating and wearing fashionable clothes with extraordinary care, than other males. This term originated a hot discussion among the global companies when men's beauty products were introduced in the world market in 2000. Market players recognized the trend toward male cosmetics, and thus concentrated on launching a wide range of beauty care products to plea to various 'astes and needs of men. The present study aims at examining the reasons for immense growth of men's cosmetic product market segment and its present and fuure prospects in India, followed by certain recommendations to the marketers to grab opportunities in this high potential market. This study covers the Men's cosmetic product market segment because men's cosmetic products have gained much popularity in recent years. The study has been based on secondary data.</i></p> <p><b>INTRODUCTION</b></p> <p>In today's modern era, improvement of technology, society, economy, science and education, better standard of living, and due to the development of purchasing capacity, consumers have become more conscious of beauty which has led to the quick growth in beauty care market. The beauty market segment of women has been growing since long times whereas the men's beauty market segment has just been originated. Traditionally, men's grooming products limits to deodorants and shaving products such as gels, razors and foams. New companies are introducing a wide range of products in categories like hair and skin care, bath and shower products for men</p>
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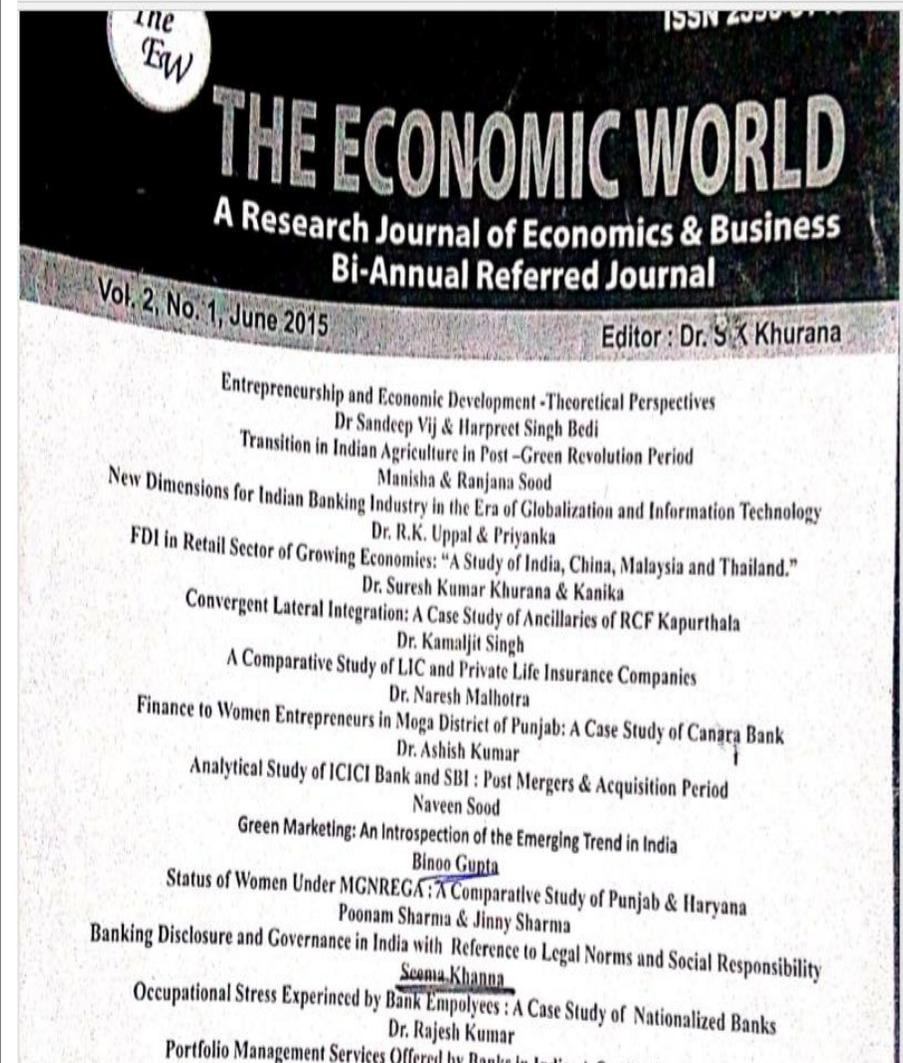
27	Exploring Organisational Commitment: An Empirical Study of Private Banks in India	Dr. Kanwaldeep Kaur	Indian Journal of Empirical Researches in India	 <p>The image shows the front cover of the journal. The title 'Indian Journal of Empirical Researches in Commerce' is printed in a stylized font. Below the title, it says 'Annual Refereed Journal'.</p>	 <p>The image shows the title page of the article. The title 'EXPLORING ORGANISATIONAL COMMITMENT: AN EMPIRICAL STUDY OF PRIVATE BANKS IN INDIA' is at the top. Below it, the author's name 'Dr. Kanwaldeep Kaur' and her affiliation 'Dept. of Commerce &amp; Business Management, Hans Raj Mahila Mahavidyalaya, Jalandhar' are listed. An abstract follows, starting with 'This study explores the organisational commitment of managers of private banks in a sample of 100 managers. The subjects included managerial staff working in different administrative offices of five private banks located in the state of Punjab. Organisational Commitment (Meyer et al., 1993) was used to measure affective, continuance, and normative organizational commitment. Internal consistency reliability of the organizational commitment scale was checked by calculating...</p>
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28	<i>In vitro</i> Asymbiotic Seed Germination of <i>Satyrium nepalense</i> -An Endangered Medicinally Important Orchid	Dr. Shaveta Chauhan	The Journal of the Orchid Society of India	<table border="1"> <tr> <td>511</td> <td>46704</td> <td>International Journal of Contemporary Research in Management and Social Science</td> <td>Univ</td> <td>Social Scie</td> <td>23947691</td> <td>23947691</td> <td></td> <td>ICRJMS</td> <td>Reject:Primary Criteria</td> </tr> <tr> <td>512</td> <td>46712</td> <td>Proceedings of the Imperial Academy</td> <td>Univ</td> <td>Science</td> <td>03699846</td> <td>18811140</td> <td></td> <td>Nippon Gakushin</td> <td>Reject:Primary Criteria</td> </tr> <tr> <td>513</td> <td>46719</td> <td>Journal of Indian Education</td> <td>Univ</td> <td>Arts &amp; Hum</td> <td>03770435</td> <td>09725628</td> <td></td> <td>National Council of Educational Research and Training</td> <td>Reject:Primary Criteria</td> </tr> <tr> <td>514</td> <td>46722</td> <td>The Primary Teacher</td> <td>Univ</td> <td>Social Scie</td> <td>09709282</td> <td></td> <td></td> <td>NCERT, New Delhi</td> <td>Reject:Primary Criteria</td> </tr> <tr> <td>515</td> <td>46728</td> <td>School Science</td> <td>Univ</td> <td>Arts &amp; 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29	Customers Satisfaction and Governance – A Factor Analysis in Banking Sector of India	Mrs. Seema Khanna	International Journal of Business and Management	<p>The International Journal Of Business &amp; Management (ISSN 2321 -8916)   www.theijbm.com</p> <hr/> <p style="text-align: center;"><b><i>THE INTERNATIONAL JOURNAL OF BUSINESS &amp; MANAGEMENT</i></b></p> <hr/> <p style="text-align: center;"><b>‘Customers Satisfaction and Governance – A Factor Analysis in Banking Sector of India’</b></p> <div style="border: 1px solid black; padding: 5px; text-align: center;"> <p><b>Seema Khanna</b> Assistant Professor, Department of Commerce, HMV Jalandhar, India</p> </div> <div style="border: 1px solid black; padding: 5px;"> <p><b>Abstract:</b> <i>Present research work concentrates on customer satisfaction from the disclosure practices of the banks with an aim to enhance corporate governance practices in Indian banking sector. An attempt has been made to analyze the significant factors affecting the satisfaction of customers from the disclosure practices of banks. The study has been conducted by using factor analysis technique. A sample of 180 respondents has been taken for the analysis. The results of the study indicate that the most significant factors for the disclosure requirements for the customers are social responsibility and grievance handling procedure of the banks. Therefore, Indian banks should give more priority to CSR and complaint settlement of the customers.</i></p> <p><b>Keywords:</b> Disclosure, governance, social responsibility, grievance handling</p> </div> <p><b>1. Introduction</b> The stakeholders are the principal players in inception, development and growth of any organization. They are the shareholders.</p>
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30	Banking Disclosure and Governance in India with Reference to Legal Norms and Social Responsibility	Mrs.Seema Khanna	The Economic World-A Research Journal of Economics and Business	 <p>ISSN 2550-0707</p> <p><b>THE ECONOMIC WORLD</b> A Research Journal of Economics &amp; Business Bi-Annual Referred Journal</p> <p>Vol. 2, No. 1, June 2015 Editor : Dr. S. K. Khurana</p> <p>Entrepreneurship and Economic Development -Theoretical Perspectives Dr Sandeep Vij &amp; Harpreet Singh Bedi</p> <p>Transition in Indian Agriculture in Post -Green Revolution Period Manisha &amp; Ranjana Sood</p> <p>New Dimensions for Indian Banking Industry in the Era of Globalization and Information Technology Dr. R.K. Uppal &amp; Priyanka</p> <p>FDI in Retail Sector of Growing Economies: "A Study of India, China, Malaysia and Thailand." Dr. Suresh Kumar Khurana &amp; Kanika</p> <p>Convergent Lateral Integration: A Case Study of Ancillaries of RCF Kapurthala Dr. Kamaljit Singh</p> <p>A Comparative Study of LIC and Private Life Insurance Companies Dr. Naresh Malhotra</p> <p>Finance to Women Entrepreneurs in Moga District of Punjab: A Case Study of Canara Bank Dr. Ashish Kumar</p> <p>Analytical Study of ICICI Bank and SBI : Post Mergers &amp; Acquisition Period Naveen Sood</p> <p>Green Marketing: An Introspection of the Emerging Trend in India Binoo Gupta</p> <p>Status of Women Under MGNREGA: A Comparative Study of Punjab &amp; Haryana Poonam Sharma &amp; Jinny Sharma</p> <p>Banking Disclosure and Governance in India with Reference to Legal Norms and Social Responsibility Seema Khanna</p> <p>Occupational Stress Experinced by Bank Empolyees : A Case Study of Nationalized Banks Dr. Rajesh Kumar</p> <p>Portfolio Management Services Offered by Banks in India</p>
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31	Green Marketing: An Introspection of Emerging Trend in India	Mrs. Binoo Gupta	The Economic World-A Research Journal of Economics and Business
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32	<p>Higher Education: An Emerging Challenge before India  <a href="http://52.172.159.94/index.php/ijird/article/view/71757">http://52.172.159.94/index.php/ijird/article/view/71757</a></p>	Mr.Jagjit Bhatia	International Journal of Innovative Research and Development
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ISSN 2278 – 0211 (Online)

### Higher Education: An Emerging Challenge before India

**Jagjit Bhatia**

Assistant Professor, Department of Computer Science  
 Hans Raj Mahila Maha Vidyalaya, Jalandhar, Punjab, India

**Abstract:**

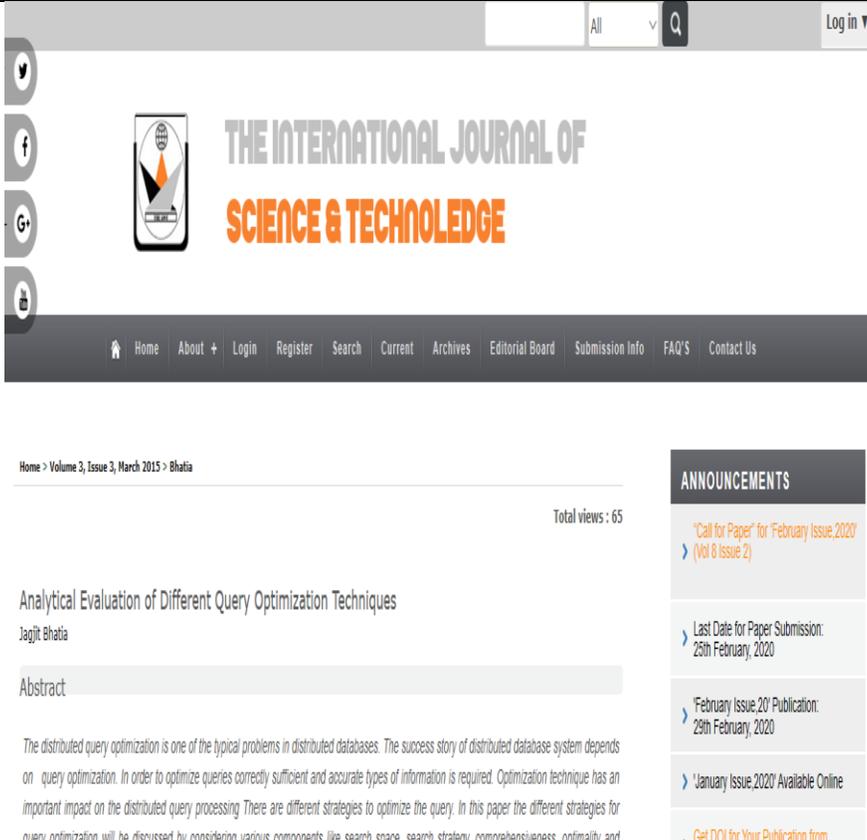
*Indian parliamentary system is giving impression like one step forward and two step back in case of various bills related to higher education, it may be commission of higher education research or National Accreditation regulatory authority for higher educational institutions. Now time has come to change the definition of education and mindset of the educational institutions. It is a time to remove the profit making disgrace associated with higher education sector. There should be debate on privatization of education. This privatization in higher education is emerging as capitalism. Do we need a check on affiliation and accountability of emerging private institutions in higher education? It is time to debate on sub standardization of higher education and its challenges.*

**Keywords:** educarer, unemployment, NAAC

*"Teaching is a creative profession, it is our duty as leaders and education influencers to offer the right climate to foster innovation....."* Samerchidiai

**1. Introduction**

Is there something wrong when we say that the most creative profession of teaching has turned into most lucrative profession of making money? No, there is actually nothing wrong in earning money. After all, the teachers teach students to attain skills to become economically independent and make money. Nevertheless, if the aim of education is left far behind and only the purpose of making huge profits is served, it is then that we must question the system and rethink on the lines that an educator also serves the role of an "educarer" i.e. the one who cares and reaches out to the students. Moreover, such a system which fills the pockets of a few is a huge burden on the national economy because it generates useless graduates without skill, mindset or the prowess to become a contributor. The sad scenario is that these graduates have paid a hefty amount, sometimes selling family gold or silver to attain their "education". We as a nation are undergoing a huge amount of rapid change in the education sector with the number of private institutes escalating dramatically with an intensifying apprehension about the standard of educators and graduates declining steadily. The institutes which are mongering money in the name of education fail to get accredited resulting in an overall decline in the quality of education. Although, India can boast of having the biggest education organization in the world in terms of quantity of institutions and second leading in terms of enrollment, yet these institutes fail to come anywhere near to the top 100, 500 or even one thousand institutes of the world. In fact, mushrooming of such institutes has turned education into a type of fast food, quick, easy but serving no mental

33	<p>Analytical Evaluation of Different Query Optimization Techniques  <a href="http://internationaljournalco.rner.com/index.php/theijst/article/view/124307">http://internationaljournalco.rner.com/index.php/theijst/article/view/124307</a></p>	Mr. Jagjit Bhatia	The International Journal of Science & Technology	 <p>The screenshot shows the journal's website interface. At the top, there is a search bar and a 'Log in' button. The main header features the journal's logo and title: 'THE INTERNATIONAL JOURNAL OF SCIENCE &amp; TECHNOLEDGE'. Below the header is a navigation menu with links for Home, About, Login, Register, Search, Current, Archives, Editorial Board, Submission Info, FAQ'S, and Contact Us. The main content area displays the article title 'Analytical Evaluation of Different Query Optimization Techniques' by Jagjit Bhatia. The abstract text is partially visible, starting with 'The distributed query optimization is one of the typical problems in distributed databases...'. On the right side, there is an 'ANNOUNCEMENTS' sidebar with several items, including 'Call for Paper' for February Issue, 2020, and 'January Issue, 2020 Available Online'.</p>
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34	<p>Hacking: Intimidation and Defenses  <a href="https://rpublication.com/ijeted/2015/MAY15/26.pdf">https://rpublication.com/ijeted/2015/MAY15/26.pdf</a></p>	Mr. Jagjit Bhatia	International Journal of Emerging Trends in Engineering and Development.
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## Hacking: intimidation and Defenses

**Jagjit Bhatia, Asst prof,**  
 Department of Computer Science, Hans Raj Mahila Maha Vidyalaya, Jalandhar

### Abstract

This era is digital era, everywhere and everything is now converting into its digital contour like money, business etc. There are serious problems arising about the security of digital objects and worst part is that our digital society is least concerned about this problem. Simple tricks and techniques are there to damage a lot. With this consideration my paper is about the various common attacks and remedies. In introduction part my aim is to sensitize the seriousness of hacking by quoting some incident and the losses that has to bear the society. Next my aim is to explain the various generations of hackers from their emergence to their existing maturity level. Next I have explained some very simple and serious attack which can be performed by the intermediate user of computer and also suggest the remedies to secure our system.

**Keywords:** SMTP (Simple mail transfer protocol), TCP, BIOS, LM/NTLM, SAM

### Introduction

In this digital era every thing is organized as electronic data. Banks, Government offices, School, hospitals and even money in your wallet in the form of credit or debit card. This means all the sensitive information is organizes in the form of electronic data. Even your money is travelling in air in the form of electronic data. Whenever we make monetary transaction through net banking, from credit card or debit card. Do we ever think about the security of this electronic data or

35	<p>Improved and New Technologies for Internet Access through Wireless Technology: “Wi-Fi and 3G”</p> <p><a href="https://708e8bd3-a-bb6ad6f3-s-sites.googlegroups.com/a/ijrit.com/papers/jan3/V3I126.pdf?attachauth=ANoY7cojIw2jbCN8iRuchS408Ds9BiEXO9B4K66gsTuvEXsT6Mc_fzmpnqb8n6a0VNVY7gYShU_AD-YVWss0oXstICrVp7gFOFo n4goxQGUZK2HH9ShLFXKb0AueHA2JyqBMgezXgyjd9kpvv1g63y7ANYO6koaWNhO_G2UPqDBbgT9Xq qBeHbIXbGBVORLV1W10tAjnz6z81PQtXvxDcDQmADqbbZC13A%3D%3D&amp;atredirects=0">https://708e8bd3-a-bb6ad6f3-s-sites.googlegroups.com/a/ijrit.com/papers/jan3/V3I126.pdf?attachauth=ANoY7cojIw2jbCN8iRuchS408Ds9BiEXO9B4K66gsTuvEXsT6Mc_fzmpnqb8n6a0VNVY7gYShU_AD-YVWss0oXstICrVp7gFOFo n4goxQGUZK2HH9ShLFXKb0AueHA2JyqBMgezXgyjd9kpvv1g63y7ANYO6koaWNhO_G2UPqDBbgT9Xq qBeHbIXbGBVORLV1W10tAjnz6z81PQtXvxDcDQmADqbbZC13A%3D%3D&amp;atredirects=0</a></p>	Mr. Ravinder Mohan Jindal	International Journal of Research in Information Technology	<p style="text-align: center;"><i>IJRIT International Journal of Research in Information Technology, Volume 3, Issue 1, January 2015, Pg. 188-192</i></p> <div style="display: flex; justify-content: space-around; align-items: center;">  <div style="text-align: center;"> <p><b>International Journal of Research in Information Technology (IJRIT)</b></p> <p><a href="http://www.ijrit.com">www.ijrit.com</a>      ISSN 2001-5569</p> </div> </div> <h3 style="text-align: center;">Improved and New Technologies for Internet Access through Wireless Technology “Wi-Fi and 3G”</h3> <p style="text-align: center;"><b>Lekh Raj<sup>1</sup>, Sata Nand<sup>2</sup>, Manoj Kumar<sup>3</sup>, Ravinder Mohan Jindal<sup>4</sup>, Leekha Jindal<sup>5</sup></b></p> <p style="text-align: center;"><sup>1,2,3</sup>M. Tech Scholar, Dept. of Computer Science and Application, Ch. Devi Lal University, Sirsa, Haryana, India  <sup>4</sup>Assistant Professor, P.G. Department of Computer Sciences, HMV College, Jalandhar, India  <sup>5</sup>Assistant Professor, P.G. Department of Computer Sciences DAV College, Jalandhar, India</p> <p><b>Abstract:</b> This article compares and contrasts two technologies for delivering broadband wireless Internet access services: “3G” and “Wi-Fi”. The former, 3G, refers to the collection of third-generation mobile technologies that are designed to allow mobile operators to offer integrated data and voice services over mobile networks. The latter, Wi-Fi, refers to the 802.11b wireless Ethernet standard that was designed to support wireless LANs. Although the two technologies reflect fundamentally different service, industry, and architectural design goals, origins, and philosophies, each has recently attracted a lot of attention as candidates for the dominant platform for providing broadband wireless access to the Internet. It remains an open question as to the extent to which these two technologies are in competition or, perhaps, may be complementary. If they are viewed as in competition, then the triumph of one at the expense of the other would be likely to have profound implications for the evolution of the wireless Internet and structure of the service-provider industry.</p> <p><b>Keywords:</b> Internet; Broadband; Wireless; 3G; WLAN; Ethernet; Access; Spectrum; Economics; Industry structure</p>
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36	<p>Integration of Wireless Network in WiMAX and Wi- Fi Wireless Technology Communication</p> <p><a href="http://www.ijecs.in/index.php/ijecs/article/view/608">http://www.ijecs.in/index.php/ijecs/article/view/608</a></p>	Mr. Ravinder Mohan Jindal	International Journal of Engineering and Computer Science	 <p>The screenshot shows the website interface for the International Journal of Engineering and Computer Science (IJECES). The header includes the journal's name, ISSN (2319-7242), and contact information. The main content area displays the article title, authors, and publication date. A sidebar on the right offers options for downloading the PDF, viewing sections, and recommendations. The abstract text is visible at the bottom of the article preview.</p>
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37	<p>Baggase- A Biosorbent for Basic Red-12  <a href="https://www.imedpub.com/abstract/baggasea-biosorbent-for-basic-red12-13929.html">https://www.imedpub.com/abstract/baggasea-biosorbent-for-basic-red12-13929.html</a></p>	Dr. Ekta Khosla	Advances in Applied Science Research	<p style="text-align: right;"><i>Available online at <a href="http://www.pelagiaresearchlibrary.com">www.pelagiaresearchlibrary.com</a></i></p> <div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: center;">  <p><b>Pelagia Research Library</b></p> </div> <div style="text-align: center;"> <p><b>Pelagia Research Library</b>  Advances in Applied Science Research, 2015, 6(12):124-130</p> </div> <div style="text-align: center;">  <p><b>Advances in Applied Science Research Library</b>  ISSN: 0976-8610  CODEN (USA): AASR</p> </div> </div> <p style="text-align: center;"><b>Baggase-A Biosorbent for Basic Red-12</b></p> <p style="text-align: center;"><b>Ekta Khosla</b></p> <p style="text-align: center;"><i>Department of Chemistry, Hans Raj Mahila Maha Vidyalaya, Jalandhar(Punjab)</i></p> <hr/> <p><b>ABSTRACT</b></p> <p><i>The objective of the work was to study Adsorption behavior of Baggase-a sugar industry waste for the removal of cationic dye- Basic Red-12. The equilibrium and kinetic experiments were performed in batch mode. The equilibrium data was fitted with Langmuir and Freundlich models. Several operation variables such as adsorbent dosage, contact time, initial pH, and temperature on the removal of dyes were investigated. The removal efficiency increased with increase in adsorbent dosage. The adsorption process followed pseudo second order kinetics. Thermodynamic parameters like <math>\Delta H^\circ</math>, <math>\Delta S^\circ</math> and <math>\Delta G^\circ</math> were analyzed. The processes were spontaneous for the cationic dye. These results suggests that baggase is a potential low cost industrial waste for textile industry waste water treatment containing cationic dyes.</i></p> <p><b>Key words:</b> Baggase, BasicRed-12, Kinetics, Thermodynamics, Isotherms</p> <hr/> <p style="text-align: center;"><b>INTRODUCTION</b></p> <p>In developing nations like India the conventional effluent treatment technologies are not affordable. Rapid industrial growth has brought economical revolution in all the parts of world and industrial waste water treatment is an important task due to environmental concerns. Thousands of dyes are prepared for printing and dyeing industries from coal tar based hydrocarbons such as benzene, anthracene, naphthalene, xylene, toluene etc. Dyes are used in industries like paper, textile, cosmetics, rubber, food, drug and plastics[1]. According to an estimate 10,000 different types of commercial dyes are present and <math>7 \times 10^5</math> tones of dyes are produced annually worldwide[2]. This is observed</p>
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38	<p>Efficient Gemini Surfactant Aided Extraction of Hazardous Reactive Dye from Effluent</p> <p><a href="http://www.cibtech.org/J-CHEMICAL-SCIENCES/PUBLICATIONS/2015/VOL-5-NO-4/06-JCS-006-EKTA-EFFICIENT.pdf">http://www.cibtech.org/J-CHEMICAL-SCIENCES/PUBLICATIONS/2015/VOL-5-NO-4/06-JCS-006-EKTA-EFFICIENT.pdf</a></p>	Dr. Ekta Khosla	International Journal of Basic and Applied Chemical Sciences	<p><i>An Open Access, Online International Journal Available at <a href="http://www.cibtech.org/jcs.htm">http://www.cibtech.org/jcs.htm</a></i>  <i>2015 Vol. 5 (4) October-December, pp.47-55/Mangat et al.</i>  <b>Research Article</b></p> <p><b>EFFICIENT GEMINI SURFACTANT AIDED EXTRACTION OF HAZARDOUS REACTIVE DYE FROM EFFLUENT</b></p> <p>Charanjeet Kaur Mangat<sup>1</sup>, Satindar Kaur<sup>2</sup> and *Ekta Khosla<sup>3</sup></p> <p><sup>1</sup> Department of Chemistry, Academic College RIMT, Mandi Gobindgarh, 147301(Punjab) India  <sup>2</sup> Department of Food Sciences and Technology, Guru Nanak Dev University, Amritsar 143040(Punjab) India  <sup>3</sup> Department of Chemistry, Hans Raj Mahila Maha Vidyalaya, Jalandhar 144001 (Punjab) India.  *Author for Correspondence</p> <p><b>ABSTRACT</b></p> <p>Reactive dyes are hazardous due to their property of forming covalent bond with –NH<sub>2</sub> and –SH group of proteins in living organisms. Hence their removal is mandatory from the effluent before discharging into main stream. Different methods have been employed for the satisfactory removal of dyes. Current methods for their removal largely rely on adsorption techniques which are costly and produce another waste to be disposed off, whereas the concept of reverse micelles acting to encapsulate the dye in aqueous micro pool in solvent environment provides a useful chemistry. The removal of the reactive red RB from aqueous phase in amyl alcohol solvent using cationic surfactants was successful giving 100% removal within seconds. The effect of dye and surfactant concentration, solvent, temperature, salts like NaCl, KCl, NH<sub>4</sub>Cl and MgCl<sub>2</sub> were studied. The percentage removal of dye depends upon the size of the reverse micelle of the surfactant. The solvent used for the dye removal can be recovered by distillation method and can be reused.</p> <p><b>Keywords:</b> Reverse Micelle, Effluent, Reactive Dye, Solvent Extraction</p> <p><b>INTRODUCTION</b></p> <p>The ever-developing dye industry has adversely affected the environment by producing 3,84,000 tons of waste each year. In 1856 when the synthetic dyes came into existence, they completely replenished natural dyes due to their properties like cheaper to produce, brighter, more color-fast, and easy to apply to fabric. Depending on exposure time and dye concentration, dyes can have acute or chronic effects on exposed flora and fauna and even its presence in small quantities (less than 1 ppm) is highly visible in water due to their brilliance. It affects the aquatic life as the light absorption by dyes diminishes photosynthetic activity of algae and seriously influences on the food chain. Dyes can remain in the environment for an extended period of time, because of high thermal and photo stability. Textile dyes can cause allergies such as contact dermatitis and respiratory diseases, allergic reaction in eyes, skin irritation, irritation to mucous membrane and the upper respiratory tract. Effluent containing dyes is responsible for water-borne diseases exhibiting symptoms such as haemorrhage, nausea, dermatitis, ulceration of the skin</p>
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39	<p>Adsorption of Azodye Methyl Orange over Aluminium Oxide Nano Particles</p> <p><a href="http://www.cibtech.org/J-CHEMICAL-SCIENCES/PUBLICATIONS/2015/VOL-5-NO-4/05-JCS-005-EKTA-ADSORPTION.pdf">http://www.cibtech.org/J-CHEMICAL-SCIENCES/PUBLICATIONS/2015/VOL-5-NO-4/05-JCS-005-EKTA-ADSORPTION.pdf</a></p>	Dr. Ekta Khosla	International Journal of Basic and Applied Chemical Sciences	<p><i>International Journal of Basic and Applied Chemical Sciences</i> ISSN: 2277-2073 (Online)  An Open Access, Online International Journal Available at <a href="http://www.cibtech.org/jcs.htm">http://www.cibtech.org/jcs.htm</a>  2015 Vol. 5 (4) October-December, pp.37-46/Khosla</p> <p><b>Research Article</b></p> <p><b>ADSORPTION OF AZO DYE METHYL ORANGE OVER ALUMINUM OXIDE NANO PARTICLES</b></p> <p><b>*Ekta Khosla</b>  Department of Chemistry, Hans Raj Mahila Maha Vidyalaya, Jalandhar 144001 (Punjab)  *Author for Correspondence</p> <p><b>ABSTRACT</b>  The adsorption behavior of an azo dye Methyl orange (MO) on Aluminum oxide nano particles (ANP) generated by sol gel method has been performed to understand the physicochemical process involved and to explore the potential use of nano particles in textile effluent treatment and management. The results revealed that ANP can remove MO dye up to 124.6 mg/g at 303 K. The adsorption process is found to be pH dependent and optimum pH obtained is 2.0. The equilibrium was established in 1h. Langmuir, Freundlich and Temkin Isotherm models were applied on the system. Scanning electron microscopic analysis reveals nanoporous morphology of the material. The results of FTIR spectroscopy reveal that the process is electrostatic complexation mechanism driven. XRD studies revealed nano crystalline structure of ANP. BET surface area measurement suggests high pore volume and surface area of adsorbent. The kinetic measurements suggest pseudo second order kinetic processes. The thermodynamic measurements suggest that all processes are endothermic accompanied with negative <math>\Delta G^\circ</math> and positive <math>\Delta S^\circ</math>, <math>\Delta H^\circ</math>.</p> <p><b>Keywords:</b> Sol Gel Method, Nano Particles, Methyl Orange, Kinetics, Thermodynamics</p> <p><b>INTRODUCTION</b>  It is well recognized that the presence of dyes in aquatic environment can be most undesirable. Dyes are water soluble in nature and most suited in their action in aqueous medium. Textile waste water is one of the major environmental concerns now days due to increasing environmental concern. Many industries like plastics, pharmaceuticals, textiles, leather, cosmetics, paints and varnishes etc. use dyes to color their final products. Consequently, the waste water effluents are highly colored and the disposal of this waste in water bodies causes damage to aquatic flora and fauna. These dyes affect photosynthetic activities of aquatic flora due to reduced penetration of sun light. Most of the dyes are xenobiotic and non-biodegradable in nature. The conventional waste water treatment technologies depend upon removal of biological oxygen demand but reduction of BOD is ineffective against color removal. The combination of technologies like adsorption and dye degradation can provide the solution to the problem (Chatterjee <i>et al.</i>, 2001). Although these processes are still in laboratory stage of development. Chemical oxidation of dyes is very successful for azo dyes as it can initiate the cleavage of azo bond. The problem of secondary pollution due to formation of oxidized amines and chlorine (in case of NaOCl) is suspected (Slokar <i>et al.</i>, 1998). In recent times UV/O<sub>3</sub> has been used as treatment technology. This is applicable in gaseous state and almost all types of dyes can be removed successfully without formation of any sludge. The process is</p>
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