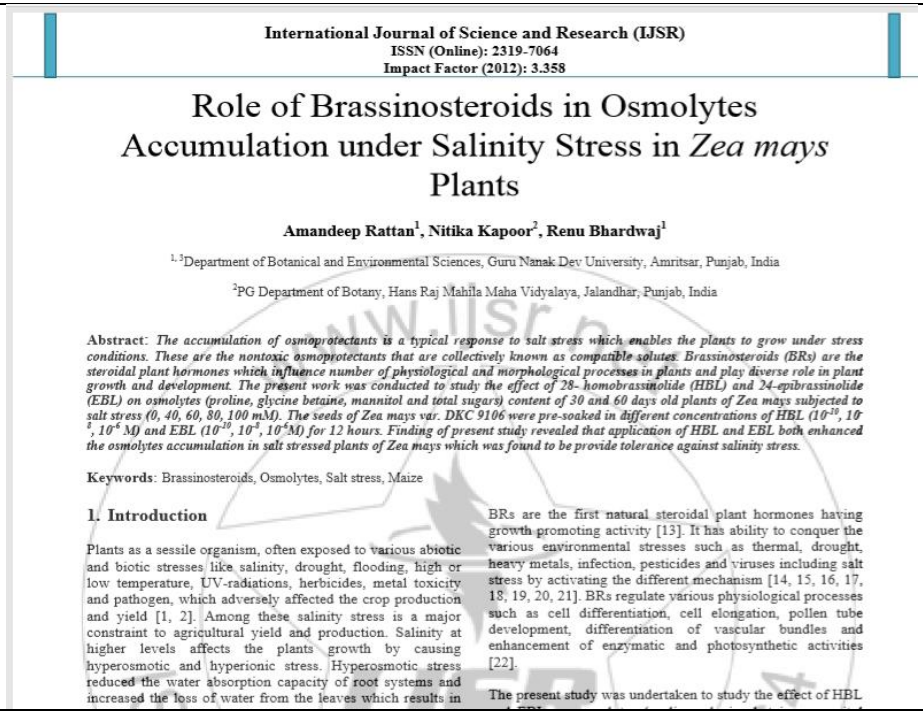
		2014-15		
S.NO	**TITLE OF PAPER**	**NAME OF AUTHOR**	**NAME OF JOURNAL**	**PROOF**
1	Comparative Genomics of Ten Solanaceous Plastomes https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4248371/	Mr. Harpreet Singh	Advances in Bioinformatics https://mjl.clarivate.com:/search-results?issn=1687-8027&hide_exact_match_fl=true&utm_source=mjl&utm_medium=share-by-link&utm_campaign=search-results-share-this-journal	

2	Role of Brassinosteroids in Osmolytes Accumulation under Salinity Stress in *Zea mays* Plants https://pdfs.semanticscholar.org/17d1/5f4dfe6d8791d634633df6860a1328a7cb1f.pdf	Dr. Nitika Arora	International Journal of Science and Research	

International Journal of Science and Research (IJSR)
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Role of Brassinosteroids in Osmolytes Accumulation under Salinity Stress in *Zea mays* Plants

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Abstract: *The accumulation of osmoprotectants is a typical response to salt stress which enables the plants to grow under stress conditions. These are the nontoxic osmoprotectants that are collectively known as compatible solutes. Brassinosteroids (BRs) are the steroidal plant hormones which influence number of physiological and morphological processes in plants and play diverse role in plant growth and development. The present work was conducted to study the effect of 28- homobrassinolide (HBL) and 24-epibrassinolide (EBL) on osmolytes (proline, glycine betaine, mannitol and total sugars) content of 30 and 60 days old plants of Zea mays subjected to salt stress (0, 40, 60, 80, 100 mM). The seeds of Zea mays var. DKC 9106 were pre-soaked in different concentrations of HBL (10^{-10}, 10^{-8}, 10^{-6} M) and EBL (10^{-10}, 10^{-8}, 10^{-6}M) for 12 hours. Finding of present study revealed that application of HBL and EBL both enhanced the osmolytes accumulation in salt stressed plants of Zea mays which was found to be provide tolerance against salinity stress.*

Keywords: Brassinosteroids, Osmolytes, Salt stress, Maize

1. Introduction

Plants as a sessile organism, often exposed to various abiotic and biotic stresses like salinity, drought, flooding, high or low temperature, UV-radiations, herbicides, metal toxicity and pathogen, which adversely affected the crop production and yield [1, 2]. Among these salinity stress is a major constraint to agricultural yield and production. Salinity at higher levels affects the plants growth by causing hyperosmotic and hyperionic stress. Hyperosmotic stress reduced the water absorption capacity of root systems and increased the loss of water from the leaves which results in

BRs are the first natural steroidal plant hormones having growth promoting activity [13]. It has ability to conquer the various environmental stresses such as thermal, drought, heavy metals, infection, pesticides and viruses including salt stress by activating the different mechanism [14, 15, 16, 17, 18, 19, 20, 21]. BRs regulate various physiological processes such as cell differentiation, cell elongation, pollen tube development, differentiation of vascular bundles and enhancement of enzymatic and photosynthetic activities [22].

The present study was undertaken to study the effect of HBL

3	Application of Brassionsteroids Reverses the Inhibitory Effect of Salt Stress on Growth and Photosynthetic Activity of *Zea mays* Plants https://www.researchtrend.net/ijtas/ijtas_2013/4%20AMandEEP%20RATTAN.pdf	Dr. Nitika Arora	International Journal of Theoretical & Applied Sciences	

International Journal of Theoretical & Applied Sciences 6(2): 13-22(2014)

ISSN No. (Print): 0975-1718
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Application of Brassionsteroids Reverses the Inhibitory Effect of Salt Stress on Growth and Photosynthetic Activity of *Zea mays* Plants

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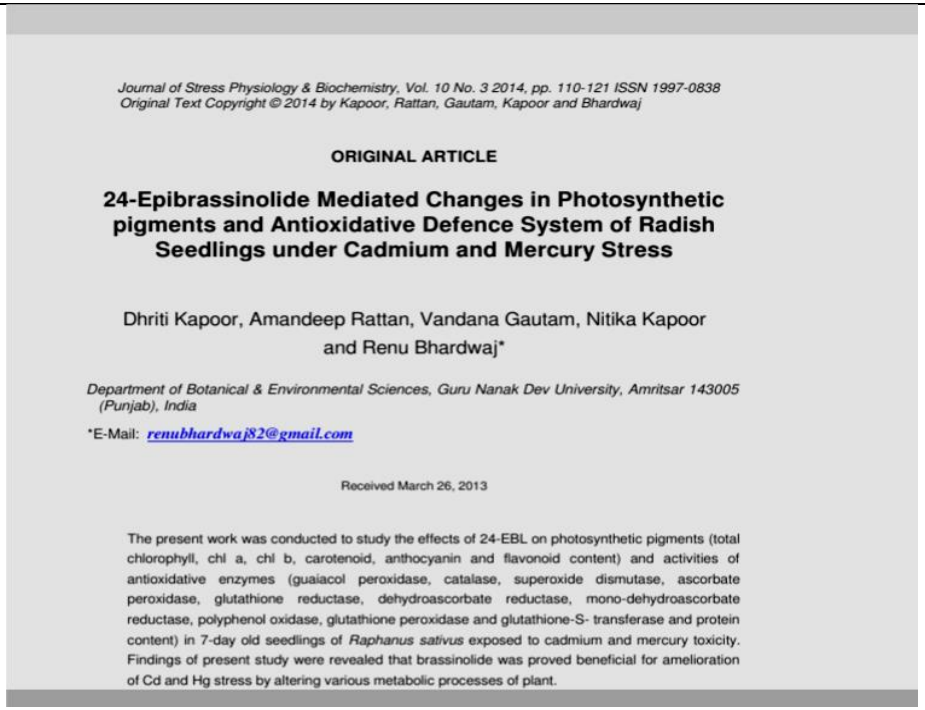
ABSTRACT: The present study was conducted to investigate the effect of 28-homobrassinolide (HBL) on growth and photosynthetic activity of *Zea mays* plants (30 and 60 dayold) subjected to different NaCl concentration (0, 40, 60, 80,100 mM). The parameters examined were growth (root length, shoot length, number of leaves), photosynthetic pigments (chlorophyll a, chlorophyll b, total chlorophyll, carotenoid, anthocyanin and xanthophyll content) and gaseous exchange parameters (photosynthetic rate (A), stomatal conductance (gs), intercellular CO_2 concentration (Ci), transpiration rate (E) and water use efficiency (A/E). The result of present study revealed that growth and photosynthetic activity was reduced under salinity stress whereas the treatment of HBL reversed the inhibitory effects of salt stress by improving the growth and photosynthetic activity.

Keywords: 28-homobrassinolide, salt stress, maize, photosynthesis.

I. INTRODUCTION

Maize is the important cereal crop which fulfills the need of food and oil for human intake. It is also used as feed for livestock [1], throughout the world but the production and yield of this crop has been adversely affected due to salt stress as it is a major constraint to this crop. Salt stress causes worldwide huge loss in agricultural yield and production. Out of world's 5.2 billion ha of dryland, 3.6 billion ha land already suffers from the salt stress which isa foremost issue of concern [2]. The most prominent symptom of salinity stress is the plant growth reduction. Salt stress affects the plant growth and development by interfering with the normal physiological processes especially the photosynthesis conductance, CO_2 availability and photosynthetic enzyme activity [6-8].

Brassinosteroids (BRs) are the plant-specific polyhydroxylated steroidal hormones which regulate a broad range of physiological processes and various aspects of plant growth and development, such as vascular system differentiation, cell division and elongation, and sex determination [9]. Among various diverse roles, BRs play important role in regulation of photosynthesis in plants. BRs application improved the photosynthetic rate under different abiotic stresses has been reported in various crops i.e. mustard [10], mung bean [11], wheat [12], eggplant [13] and cucumber [14]. Therefore the aim of present study was to

4	24-Epibrassinolide Mediated Changes in Photosynthetic Pigments and Antioxidative Defence System of Radish Seedlings under Cadmium and Mercury Stress https://cyberleninka.ru/article/n/24-epibrassinolide-mediated-changes-in-photosynthetic-pigments-and-antioxidative-defence-system-of-radish-seedlings-under-cadmium-and/viewer	Dr. Nitika Arora	Journal of Stress Physiology & Biochemistry	

Journal of Stress Physiology & Biochemistry, Vol. 10 No. 3 2014, pp. 110-121 ISSN 1997-0838

ORIGINAL ARTICLE

24-Epibrassinolide Mediated Changes in Photosynthetic pigments and Antioxidative Defence System of Radish Seedlings under Cadmium and Mercury Stress

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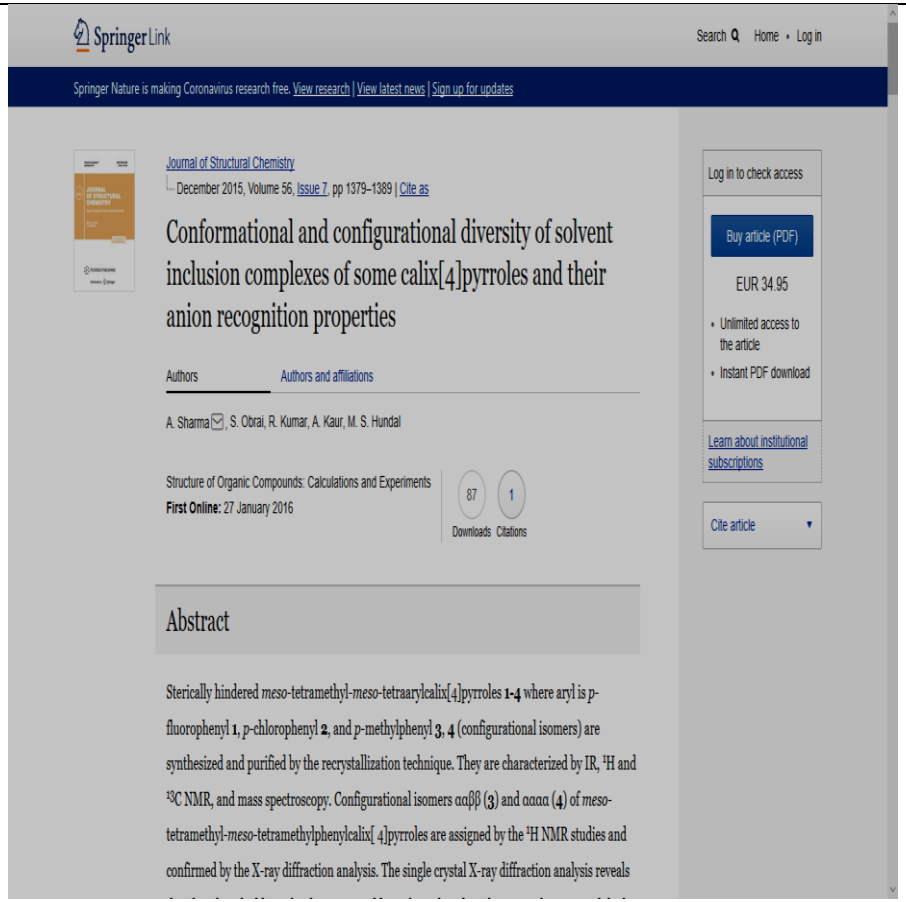
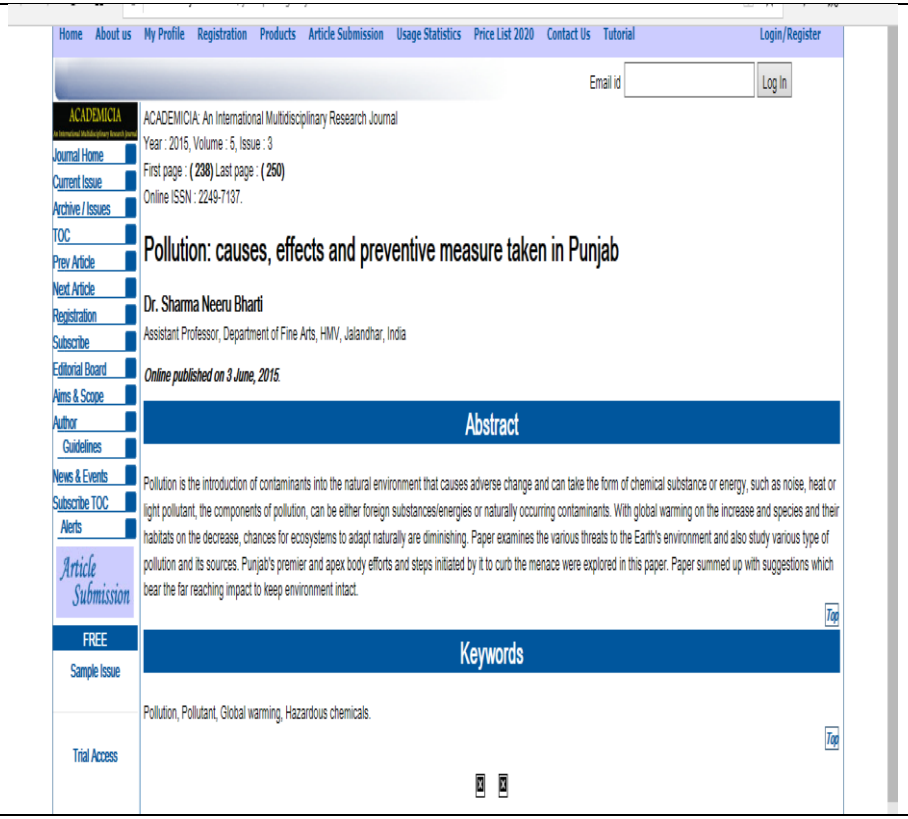
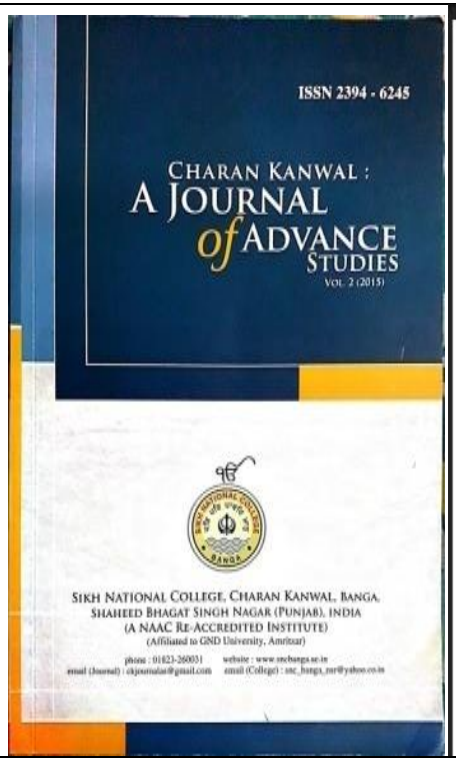
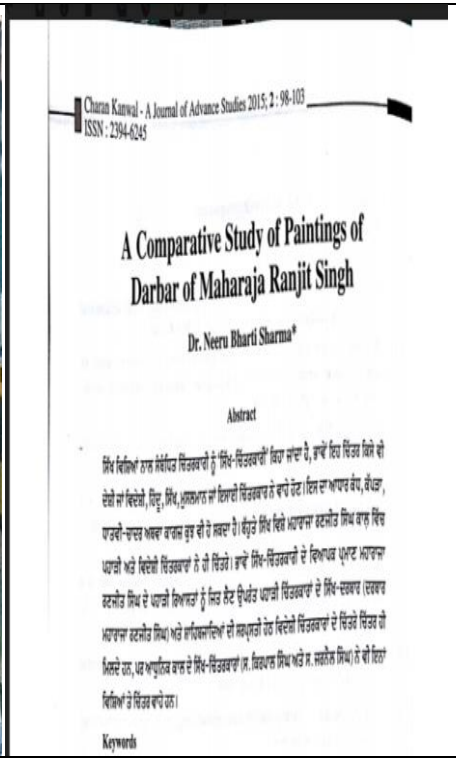
The present work was conducted to study the effects of 24-EBL on photosynthetic pigments (total chlorophyll, chl a, chl b, carotenoid, anthocyanin and flavonoid content) and activities of antioxidative enzymes (guaiacol peroxidase, catalase, superoxide dismutase, ascorbate peroxidase, glutathione reductase, dehydroascorbate reductase, mono-dehydroascorbate reductase, polyphenol oxidase, glutathione peroxidase and glutathione-S- transferase and protein content) in 7-day old seedlings of *Raphanus sativus* exposed to cadmium and mercury toxicity. Findings of present study were revealed that brassinolide was proved beneficial for amelioration of Cd and Hg stress by altering various metabolic processes of plant.

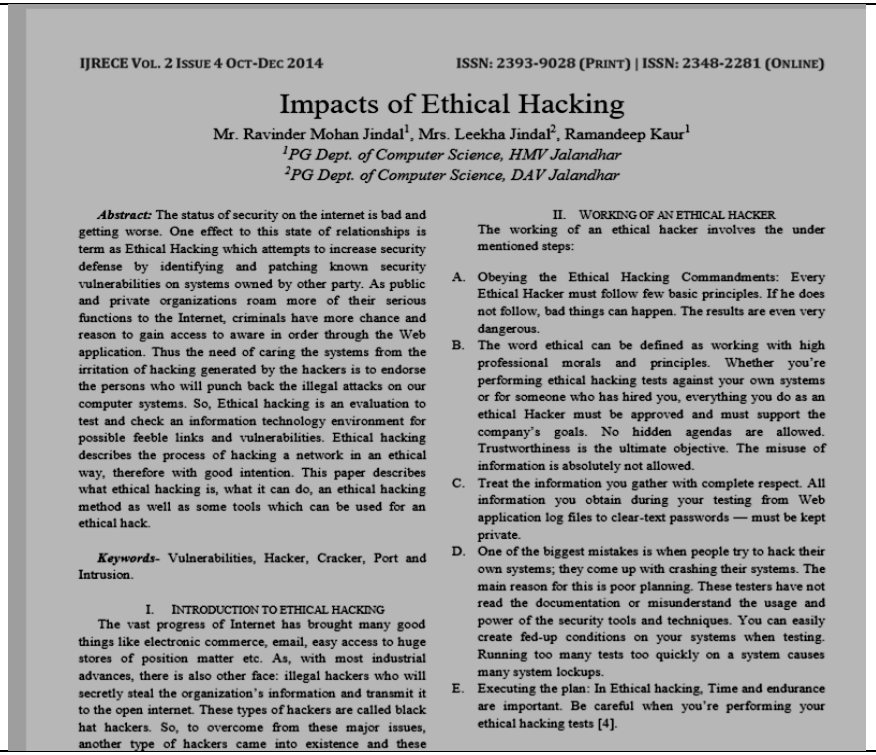
5	Ionic Dyes Adsorption by Zinc Oxide Nanoparticles https://www.tandfonline.com/doi/abs/10.1080/02757540.2014.907281	Dr. Ekta Khosla	Chemistry and Ecology https://mjl.clarivate.com/search-results	

6	Synthesis, Structural, Spectral Characterization, DFT Analysis and Antimicrobial Studies of Aquabis (L-ornithine)Copper (II)Picrate https://www.researchgate.net/publication/263930683_Synthesis_structural_spectral_characterization_DFT_analysis_and_antimicrobial_studies_of_aquabisL-ornithinecopperII_picrate	Dr. Aparna Sharma	Journal of Molecular Structure https://mjl.clarivate.com:/search-results?issn=0022-2860&hide_exact_match_fl=true&utm_source=mjl&utm_medium=share-by-link&utm_campaign=search-results-share-this-journal	

7	Conformational and Configurational Diversity of Solvent Inclusion Complexes of some Calix[4]Pyrroles and their Anion Recognition Properties https://www.researchgate.net/publication/291952380_Conformational_and_configurational_diversity_of_solvent_inclusion_complexes_of_some_calix4pyrroles_and_their_anion_recognition_properties	Dr. Aparna Sharma	Journal of Structural Chemistry https://mjl.clarivate.com:/search-results?issn=0022-4766&hide_exact_match_fl=true&utm_source=mjl&utm_medium=share-by-link&utm_campaign=search-results-share-this-journal	 SpringerLink Search Home Log in Springer Nature is making Coronavirus research free. View research | View latest news | Sign up for updates Journal of Structural Chemistry December 2015, Volume 56, Issue 7, pp 1379–1389 | Cite as Conformational and configurational diversity of solvent inclusion complexes of some calix[4]pyrroles and their anion recognition properties Authors Authors and affiliations A. Sharma, S. Obrai, R. Kumar, A. Kaur, M. S. Hundal Structure of Organic Compounds: Calculations and Experiments First Online: 27 January 2016 87 Downloads 1 Citations Log in to check access Buy article (PDF) EUR 34.95 Unlimited access to the article Instant PDF download Learn about institutional subscriptions Cite article Abstract Sterically hindered *meso*-tetramethyl-*meso*-tetraarylcalix[4]pyrroles **1-4** where aryl is *p*-fluorophenyl **1**, *p*-chlorophenyl **2**, and *p*-methylphenyl **3**, **4** (configurational isomers) are synthesized and purified by the recrystallization technique. They are characterized by IR, ^{1}H and ^{13}C NMR, and mass spectroscopy. Configurational isomers ααββ (**3**) and αααα (**4**) of *meso*-tetramethyl-*meso*-tetramethylphenylcalix[4]pyrroles are assigned by the ^{1}H NMR studies and confirmed by the X-ray diffraction analysis. The single crystal X-ray diffraction analysis reveals

8	Pollution : Causes, Effects and Preventive Measures taken in Punjab http://www.indianjournals.com/ijor.aspx?target=ijor:aca&volume=5&issue=3&article=028	Dr. Neeru Bharti Sharma	ACADEMICA- An International Multi-Disciplinary Research Journal	

9	A Comparative Study of Paintings of Darbar of Maharaja Ranjit Singh	Dr. Neeru Bharti Sharma	Charan Kanwal : A Journal of Advance Studies		

10	Impacts of Ethical Hacking http://nebula.wsimg.com/e1076cfb3c73c538f705a5106975cc65?AccessKeyId=DFB1BA3CED7E7997D5B1&disposition=0&alloworigin=1	Mrs. Ramandeep Kaur	International Journal of Research in Electronic and Computer Engineering	

IJRECE VOL. 2 ISSUE 4 OCT-DEC 2014 ISSN: 2393-9028 (PRINT) | ISSN: 2348-2281 (ONLINE)

Impacts of Ethical Hacking

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Abstract: The status of security on the internet is bad and getting worse. One effect to this state of relationships is term as Ethical Hacking which attempts to increase security defense by identifying and patching known security vulnerabilities on systems owned by other party. As public and private organizations roam more of their serious functions to the Internet, criminals have more chance and reason to gain access to aware in order through the Web application. Thus the need of caring the systems from the irritation of hacking generated by the hackers is to endorse the persons who will punch back the illegal attacks on our computer systems. So, Ethical hacking is an evaluation to test and check an information technology environment for possible feeble links and vulnerabilities. Ethical hacking describes the process of hacking a network in an ethical way, therefore with good intention. This paper describes what ethical hacking is, what it can do, an ethical hacking method as well as some tools which can be used for an ethical hack.

Keywords- Vulnerabilities, Hacker, Cracker, Port and Intrusion.

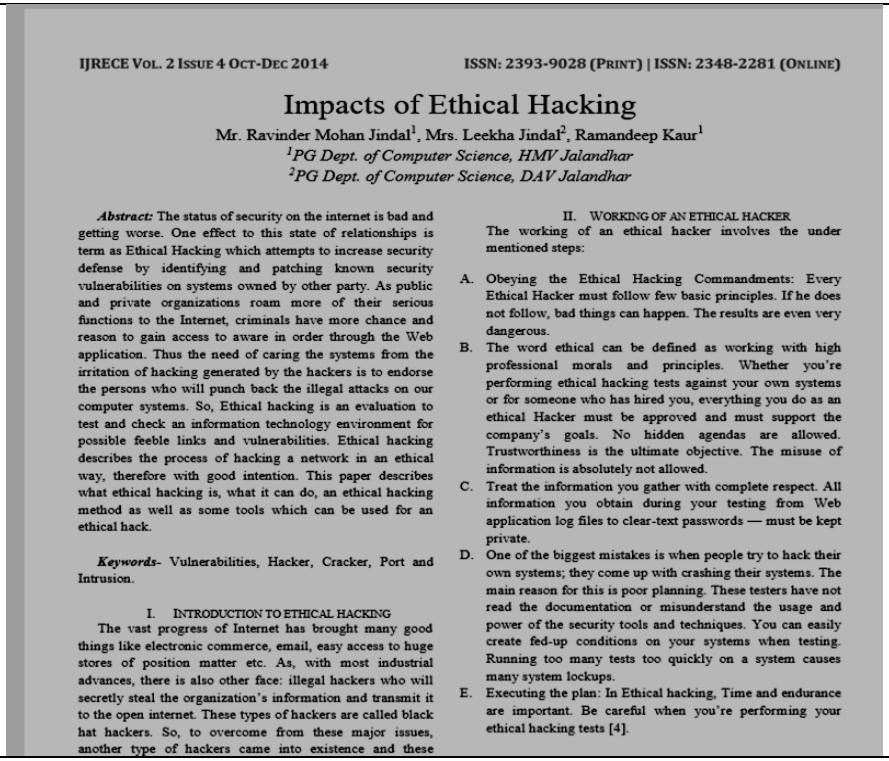
I. INTRODUCTION TO ETHICAL HACKING

The vast progress of Internet has brought many good things like electronic commerce, email, easy access to huge stores of position matter etc. As, with most industrial advances, there is also other face: illegal hackers who will secretly steal the organization's information and transmit it to the open internet. These types of hackers are called black hat hackers. So, to overcome from these major issues, another type of hackers came into existence and these

II. WORKING OF AN ETHICAL HACKER

The working of an ethical hacker involves the under mentioned steps:

A. Obeying the Ethical Hacking Commandments: Every Ethical Hacker must follow few basic principles. If he does not follow, bad things can happen. The results are even very dangerous.
B. The word ethical can be defined as working with high professional morals and principles. Whether you're performing ethical hacking tests against your own systems or for someone who has hired you, everything you do as an ethical Hacker must be approved and must support the company's goals. No hidden agendas are allowed. Trustworthiness is the ultimate objective. The misuse of information is absolutely not allowed.
C. Treat the information you gather with complete respect. All information you obtain during your testing from Web application log files to clear-text passwords — must be kept private.
D. One of the biggest mistakes is when people try to hack their own systems; they come up with crashing their systems. The main reason for this is poor planning. These testers have not read the documentation or misunderstand the usage and power of the security tools and techniques. You can easily create fed-up conditions on your systems when testing. Running too many tests too quickly on a system causes many system lockups.
E. Executing the plan: In Ethical hacking, Time and endurance are important. Be careful when you're performing your ethical hacking tests [4].

11	Impacts of Ethical Hacking http://nebula.wsimg.com/e1076cfb3c73c538f705a5106975cc65?AccessKeyId=DFB1BA3CED7E7997D5B1&disposition=0&alloworigin=1	Mr. Ravinder Mohan Jindal	International Journal of Research in Electronic and Computer Engineering	

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12	Quantification and Comparison of Interdependencies among Factors affecting the Software Development Effort http://ijoes.vidyapublications.com/paper/Vol13/45-Vol13.pdf	Mrs. Sangeeta Bhandari	International Journal of Engineering Sciences	

Quantification and Comparison of interdependencies among factors affecting the software development effort

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Abstract- Software effort estimation is the most vital task in software development. Various models have been proposed for this purpose. This estimate is vital to win a contract, to allocate appropriate resources, to schedule the process and above all, to finish the project within approximated budget and time. Various factors have been proposed in constructive cost model of cost estimation commonly known as COCOMO. These factors affect each other apart from affecting the software effort. The quantification and comparison of interdependencies of these factors is the main task performed in this paper. Fuzzy inference system has been implemented in MATLAB to find the weights, which represents the strength of interconnections among various pairs of factors.

Keywords : software effort estimation, fuzzy inference system, COCOMO.

1. Introduction

The software industry is always in search of a model for software development effort estimation. This estimate is vital to win a contract, to allocate appropriate resources, to schedule the process and above all, to finish the project within approximated budget and time. In the area of software engineering and project management, estimating the software development time and cost is the biggest challenge. As

- amount of cost to perform correctly.
- The process is often done hurriedly, without an appreciation for the cost required to perform the estimate.
- Experience is required for developing estimates, especially for large projects.
- Human bias.

Numerous models have been proposed by various researchers over a period of time. This includes various variants of Constructive Cost Estimation Model (COCOMO), Halsted Model, Bailey Besli Model, Walston Model etc. COCOMO developed by B.Boehm has been a landmark in software estimation models. It is one of the most widely used and studied model. The software cost is amalgamation of many factors as expressed by effort adjustment factors in COCOMO. In this paper we have studied the interrelationships of the effort multipliers used in COCOMO using fuzzy cognitive maps.

2. Software Effort Estimation Models

There are several software cost estimation models which can be classified as algorithmic and non-algorithmic models. These models are discussed in [9,10,15,16,17]. The

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where KDSI is estimated directly or computed from a FP analysis
E is the product of 15 effort multipliers (Table 3) i.e.

$$MM = a * KDSI^{b} * (EM1*EM2*EM3*.....)$$

a and b depend on the mode of the development. There are 152 hours per man month.

Advanced Model: The advanced or detailed COCOMO model incorporates all characteristics of the intermediate version with an assessment of the cost driver's impact on each step (analysis, design, etc.) of the software engineering process.
The three ways of estimating with increasing levels of accuracy are simple, intermediate and complex models. These three models are each defined using increasingly detailed mathematical relationship between the developed time, the effort and the maintenance effort. The estimation accuracy is significantly improved when adopting models such as the Intermediate and Complex COCOMO models.

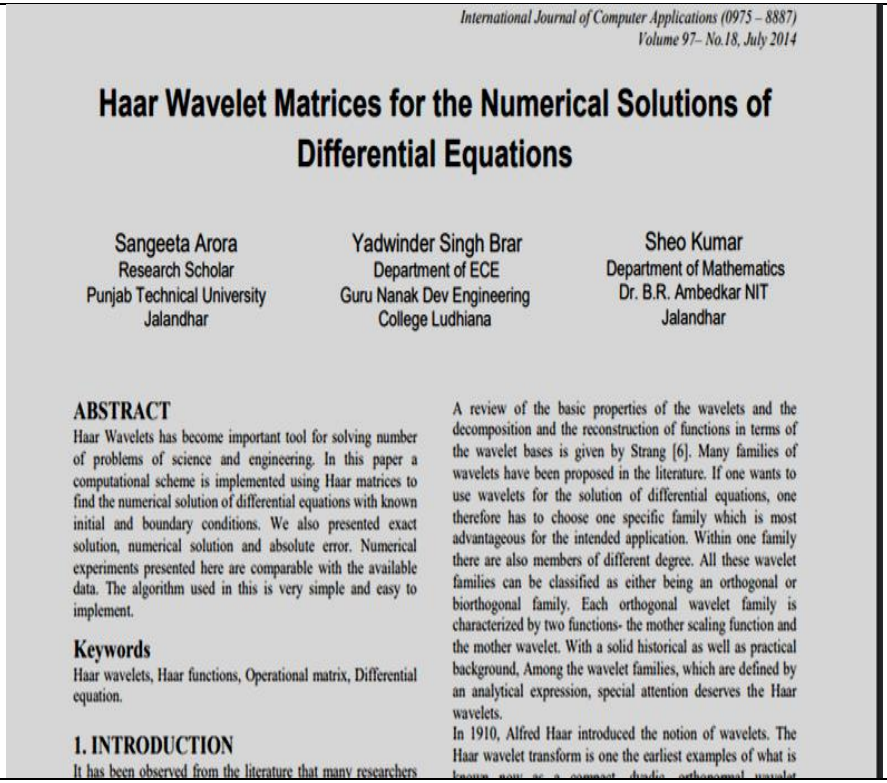
4. Fuzzy Cognitive Map

Fuzzy cognitive map was proposed by Kosko [18] to represent the causal relationship between concepts and analyze inference patterns. FCM have been successfully used to model complex systems and develop decision support systems. The FCM is a soft computing modeling methodology that follows a method similar to the human reasoning and human decision-

concept *Cj* could be positive W_{ij} which means that an negative causality i.e. value of W_{ij} negative, means that an increase in the value of concept *Ci* leads to the decrease of the value of concept *Cj* and vice versa.

Fig. 2 A Simple Fuzzy Cognitive Map [19]

Beyond the graphical representation of the FCM there is its mathematical model. It consists of an 1x *n* state vector **A** which includes the values of the *n* concepts and an *n* x *n* weight matrix **W** which gathers the weights *Wij* of the interconnections between the *n* concepts of the FCM. The matrix **W** has *n* rows and *n* columns where *n* equals the total number of distinct concepts of the FCM and the matrix diagonal is zero since it is assumed that no concept causes itself. The value of each one concept is influenced by the

13	HAAR Wavelet Matrices for the Numerical Solutions of Differential Equations http://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.679.4051&rep=rep1&type=pdf	Dr. Sangeeta Arora	International Journal of Computer Applications	

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Volume 97– No.18, July 2014

Haar Wavelet Matrices for the Numerical Solutions of Differential Equations

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ABSTRACT

Haar Wavelets has become important tool for solving number of problems of science and engineering. In this paper a computational scheme is implemented using Haar matrices to find the numerical solution of differential equations with known initial and boundary conditions. We also presented exact solution, numerical solution and absolute error. Numerical experiments presented here are comparable with the available data. The algorithm used in this is very simple and easy to implement.

Keywords

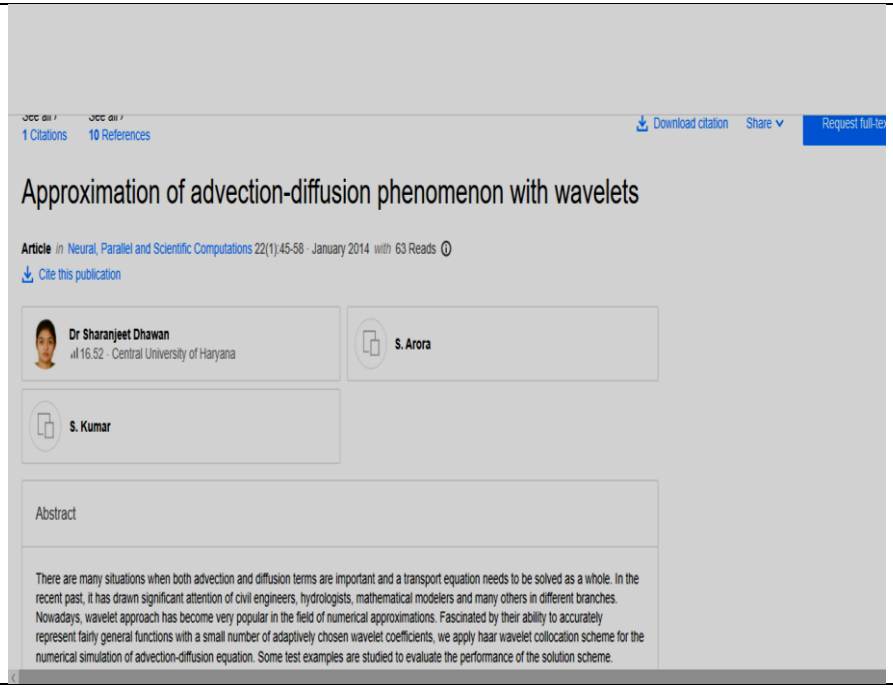
Haar wavelets, Haar functions, Operational matrix, Differential equation.

1. INTRODUCTION

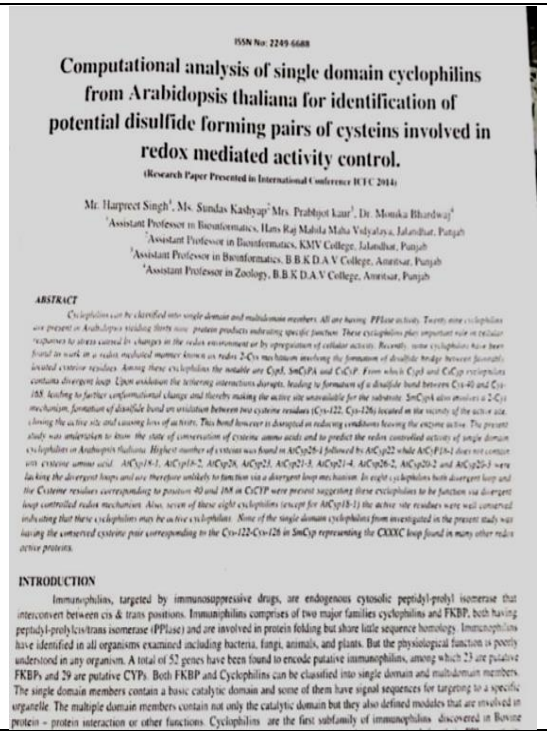
It has been observed from the literature that many researchers

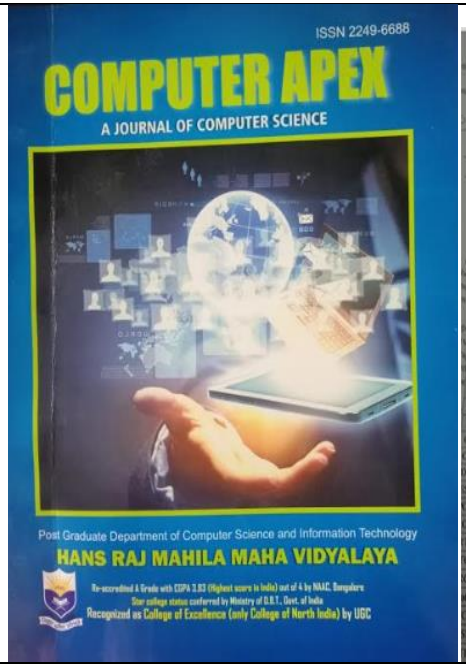
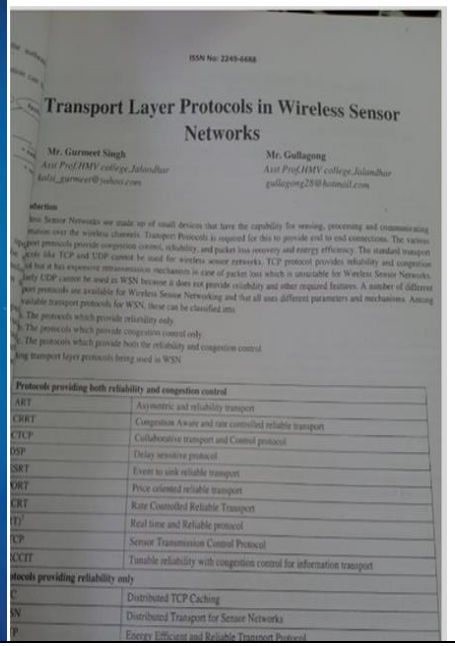
A review of the basic properties of the wavelets and the decomposition and the reconstruction of functions in terms of the wavelet bases is given by Strang [6]. Many families of wavelets have been proposed in the literature. If one wants to use wavelets for the solution of differential equations, one therefore has to choose one specific family which is most advantageous for the intended application. Within one family there are also members of different degree. All these wavelet families can be classified as either being an orthogonal or biorthogonal family. Each orthogonal wavelet family is characterized by two functions- the mother scaling function and the mother wavelet. With a solid historical as well as practical background, Among the wavelet families, which are defined by an analytical expression, special attention deserves the Haar wavelets.

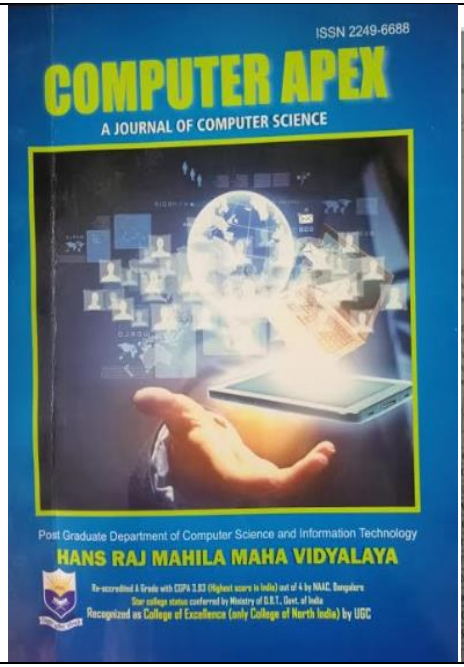
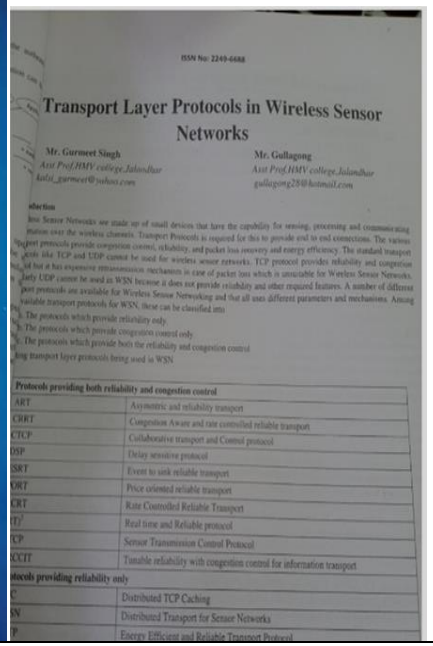
In 1910, Alfred Haar introduced the notion of wavelets. The Haar wavelet transform is one the earliest examples of what is

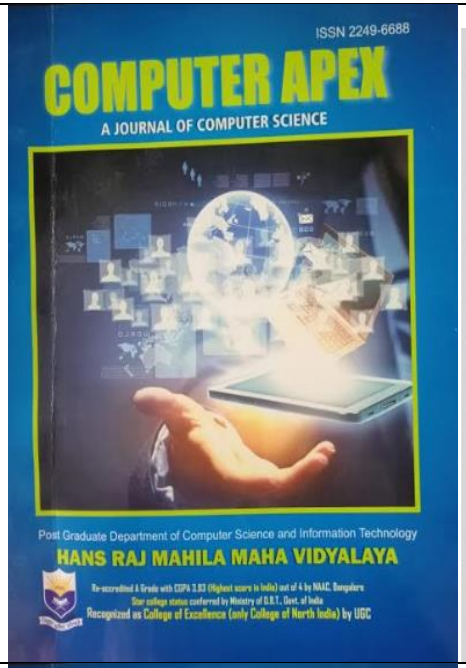
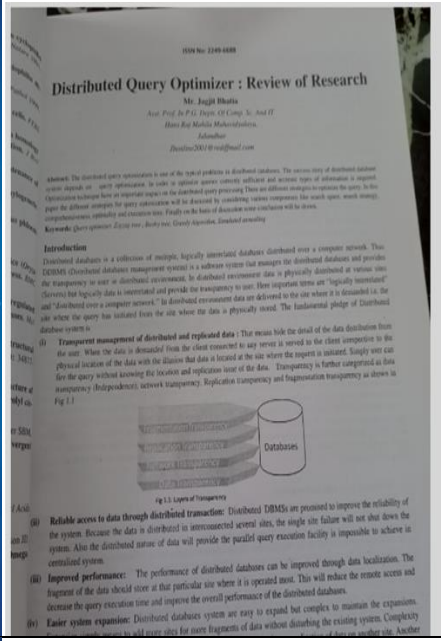
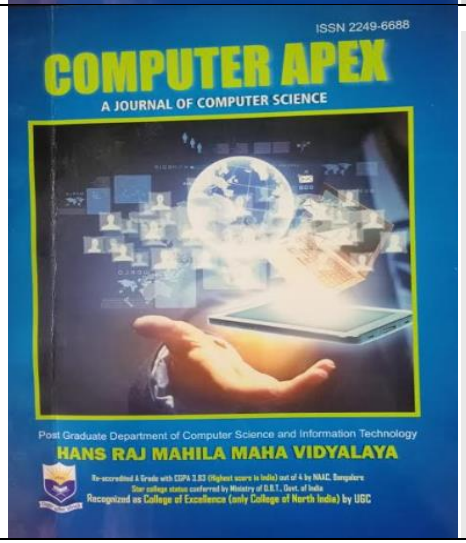
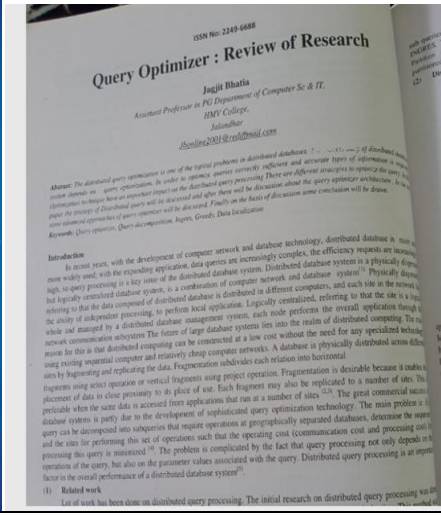
14	Approximation of Advection-Diffusion Phenomenon with Wavelets https://www.researchgate.net/publication/285087344_Approximation_of_advection-diffusion_phenomenon_with_wavelets	Dr. Sangeeta Arora	International Journal of Neutral ,Parallel and Scientific Computations	

15	HAAR Wavelet Transform for Solution of Image Retrieval https://www.semanticscholar.org/paper/HAAR-WAVELET-TRANSFORM-FOR-SOLUTION-OF-IMAGE-Arora-Brar/28f0b43a26a6abed0f9ce3f43cb0177aedd443f7	Dr. Sangeeta Arora	International Journal of Advanced Computer and Mathematical Sciences	 Mathematics · Published 2014 Share This Paper HAAR WAVELET TRANSFORM FOR SOLUTION OF IMAGE RETRIEVAL Sangeeta Arora, Yadwinder Singh Brar, +1 author Guru Nānak An efficient algorithm based Haar Wavelet approach for image retrieval solution, is proposed. This met hod is applicable for different kinds of image extraction features. Wavelet Transformation is a powerful tool for many problems. It can be used in numerical techniques. H ere we proposed a new technique of wavelet transfor mation trough which a feature vector of size ten, characte rizing texture feature of image is constructed from only three iterations of Wavelet transform. Mask technique is... CONTINUE READING Save To Library Create Alert Cite ABSTRACT 6 CITATIONS RELATED PAPERS

16	Computational Analysis of Single Domain Cyclophilins from *Arabidopsis thaliana* for Identification of Potential Disulfide forming Pairs of Cysteins involved in Redox Mediated Activity Control	Mr. Harpreet Singh	Computer Apex	  ISSN No: 2249-6688 **Computational analysis of single domain cyclophilins from Arabidopsis thaliana for identification of potential disulfide forming pairs of cysteins involved in redox mediated activity control.** (Research Paper Presented in International Conference ICTC 2014) Mr. Harpreet Singh[1], Ms. Sundas Kashyap[2] Mrs. Prabhjot kaur[3], Dr. Monika Bhardwaj[4] [1]Assistant Professor in Bioinformatics, Hans Raj Mahila Maha Vidyalaya, Jalandhar, Punjab [2]Assistant Professor in Bioinformatics, KMV College, Jalandhar, Punjab [3]Assistant Professor in Bioinformatics, B.B.K.D.A.V College, Amritsar, Punjab [4]Assistant Professor in Zoology, B.B.K.D.A.V College, Amritsar, Punjab **ABSTRACT** *Cyclophilins can be classified into single domain and multidomain members. All are having PPIase activity. Twenty nine cyclophilins are present in Arabidopsis totaling thirty nine protein products indicating specific function. These cyclophilins play important role in cellular responses to stress caused by changes in the redox environment or by upregulation of cellular activity. Recently, some cyclophilins have been found to work in a redox regulated manner known as redox 2-Cys mechanism involving the formation of disulfide bridge between functionally located cysteine residues. Among these cyclophilins the notable are CypA, SmCyPA and CsCyP. From which CypA and CsCyp cyclophilins contains divergent loop. Upon oxidation the tethering interactions disrupts, leading to formation of a disulfide bond between Cys-40 and Cys-168, leading to further conformational change and thereby making the active site unavailable for the substrate. SmCypA also produces a 2-Cys mechanism, formation of disulfide bond on oxidation between two cysteine residues (Cys-122, Cys-126) located in the vicinity of the active site, closing the active site and causing loss of activity. This bond however is disrupted in reducing conditions leaving the enzyme active. The present study was undertaken to know the state of conservation of cysteine amino acids and to predict the redox controlled activity of single domain cyclophilins in Arabidopsis thaliana. Highest number of cysteines was found in AtCyp28-1 followed by AtCyp22 while AtCyP18-1 does not contain any cysteine amino acid. AtCyp18-1, AtCyp18-2, AtCyp20, AtCyp23, AtCyp21-3, AtCyp21-4, AtCyp26-2, AtCyp20-2 and AtCyp20-3 were lacking the divergent loops and are therefore unlikely to function via a divergent loop mechanism. In eight cyclophilins both divergent loop and the Cysteine residues corresponding to position 40 and 168 in CsCYP were present suggesting these cyclophilins to be function via divergent loop controlled redox mechanism. Also, seven of these eight cyclophilins (except for AtCyp18-1) the active site residues were well conserved indicating that these cyclophilins may be active cyclophilins. None of the single domain cyclophilins from investigated in the present study was having the conserved cysteine pair corresponding to the Cys-122-Cys-126 in SmCyp representing the CXXXC loop found in many other redox active proteins.* **INTRODUCTION** Immunophilins, targeted by immunosuppressive drugs, are endogenous cytosolic peptidyl-prolyl isomerase that interconvert between cis & trans positions. Immunophilins comprises of two major families cyclophilins and FKBP, both having peptidyl-prolyl cis/trans isomerase (PPIase) and are involved in protein folding but share little sequence homology. Immunophilins have identified in all organisms examined including bacteria, fungi, animals, and plants. But the physiological function is poorly understood in any organism. A total of 52 genes have been found to encode putative immunophilins, among which 23 are putative FKBPs and 29 are putative CYPs. Both FKBP and Cyclophilins can be classified into single domain and multi-domain members. The single domain members contain a basic catalytic domain and some of them have signal sequences for targeting to a specific organelle. The multiple domain members contain not only the catalytic domain but they also defined modules that are involved in protein – protein interaction or other functions. Cyclophilins are the first subfamily of immunophilins discovered in Bovine

17	Transport Layer Protocols in Wireless Sensor Networks	Mr. Gurmeet Singh	Computer Apex		

18	Transport Layer Protocols in Wireless Sensor Networks	Mr. Gullagong	Computer Apex		

19	Distributed Query Optimizer : Review of Research	Mr. Jagjit Bhatia	Computer Apex		
20	Query Optimizer : Review of Research	Mr. Jagjit Bhatia	Computer Apex		

21	Understanding Big Data and its Impact	Mrs. Sangeeta Bhandari	Computer Apex		

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Understanding Big Data and its Impact

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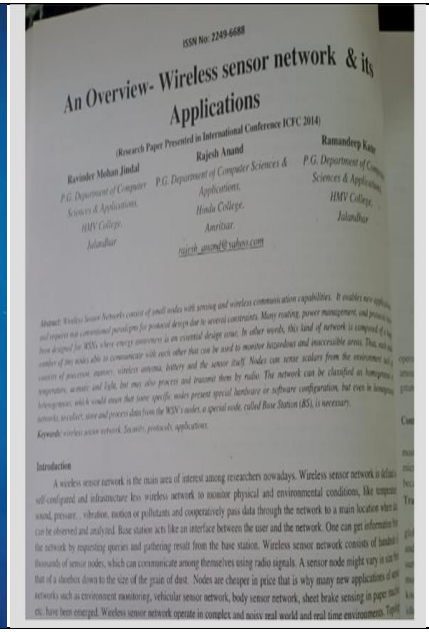
Abstract:

Big data is a popular term used to describe the exponential growth and availability of data, both structured and unstructured. The basic idea behind the phrase 'Big Data' is that everything we do is increasingly leaving a digital trace (or data), which we (and others) can use and analyse. Big Data therefore refers to our ability to make use of the ever-increasing volumes of data. Big data may be as important to business – and society – as the Internet has become. The real issue is not that organizations are acquiring large amounts of data. It's what they do with the data that counts. The hopeful vision is that organizations will be able to take data from any source, harness relevant data and analyze it to find answers that enable cost reductions, time reductions, new product development and optimized offerings, and smarter business decision making. More data may lead to more accurate analyses. Data-mining relevant data is key to delivering value from massive amounts of data. The true value of big data lies not just in having it, but in harvesting it for fast, fact-based decisions that lead to real business value.

Introduction:

Big data is a relative term describing a situation where the volume, velocity and variety of data exceed an organization's storage or compute capacity for accurate and timely decision making. Some of this data is held in transactional data stores – the by product of fast-growing online activity. Machine-to-machine interactions, such as metering, call detail records, environmental sensing and RFID systems, generate their own tidal waves of data. Simple activities like listening to music or reading a book are now generating data. Digital music players and eBooks collect data on our activities. Your smart phone collects data on how you use it and your web browser collects information on what you are searching for. Your credit card company collects data on where you shop and your shop collects data on what you buy. It is hard to imagine any activity that does not generate data. Our conversations are now digitally recorded. It all started with emails but nowadays most of our conversations leave a digital trail. Just think of all the conversations we have on social media sites like Facebook or Twitter. Even many of our phone conversations are now digitally recorded. Just think about all the pictures we take on our smart phones or digital cameras. We upload and share 100s of thousands of them on social media sites every second. The increasing amounts of CCTV cameras take video images and we up-load hundreds of hours of video images to YouTube and other sites every minute. We are increasingly surrounded by sensors that collect and share data. Take your smart phone, it contains a global positioning sensor to track exactly where you are every second of the day, it includes an accelerometer to track the speed and direction at which you are travelling. We now have sensors in many devices and products. We now have smart TVs that are able to collect and process data in

22	An Overview - Wireless Sensor Network & its Applications	Mr. Ravinder Mohan Jindal	Computer Apex			

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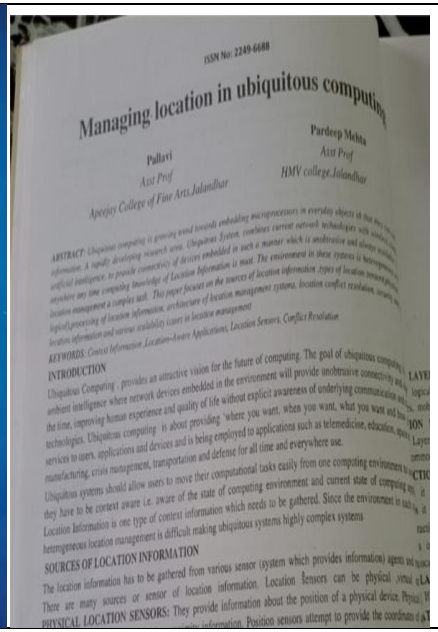
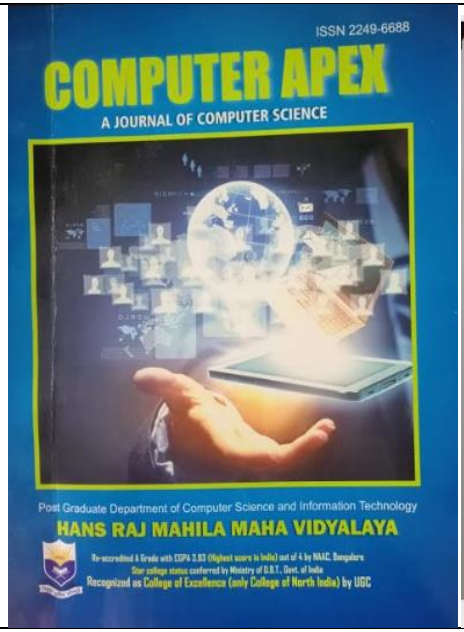
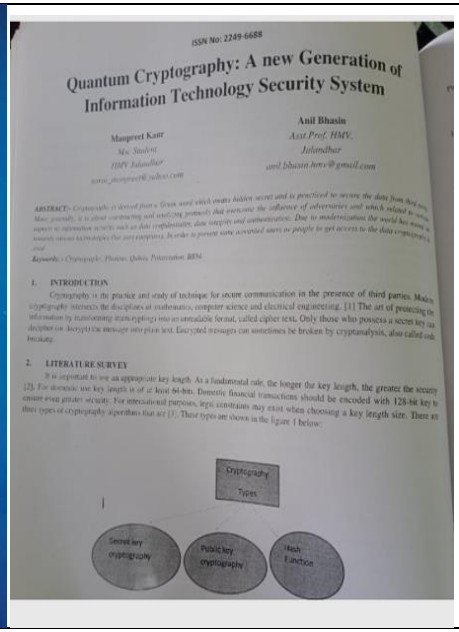
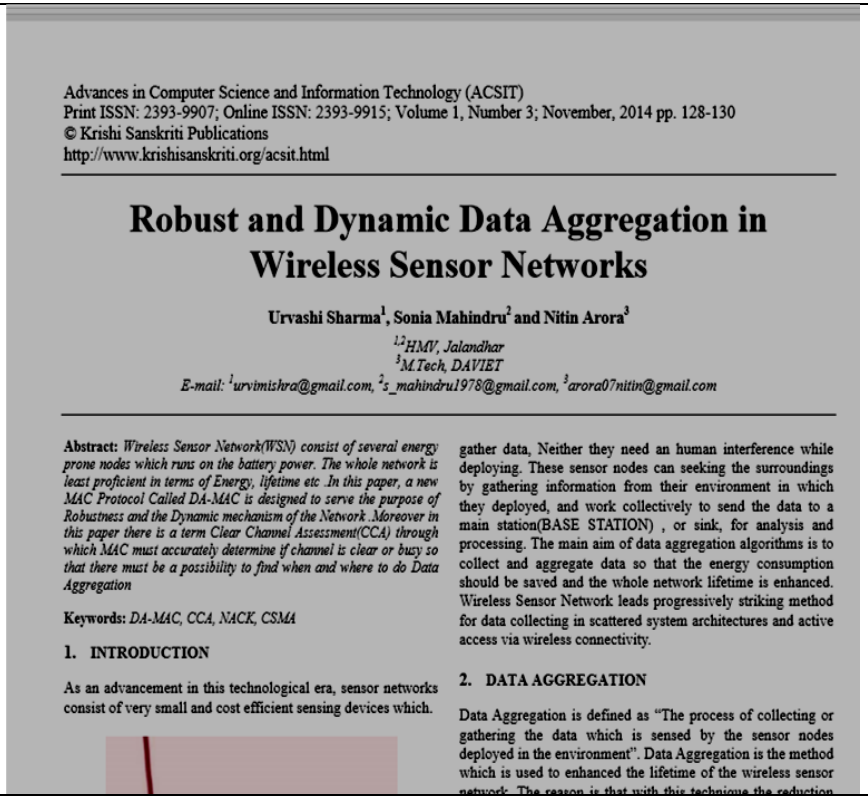
24	Managing Location in Ubiquitous Computing	Mr. Pardeep Mehta	Computer Apex		

25	Quantum Cryptography :A New Generation of Information Technology Security System	Mr. Anil Bhasin	Computer Apex		

26	Robust and Dynamic Data Aggregation in Wireless Sensor Networks https://www.krishisanskriti.org/vol_image/02Jul20151107160808%20%20%20Nitin%20Arora%20%20%20%20%20%20%20%20%20%20128-130.pdf	Mrs. Urvashi Mishra	Advances in Computer Science and Information Technology	

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Robust and Dynamic Data Aggregation in Wireless Sensor Networks

Urvashi Sharma[1], Sonia Mahindru[2] and Nitin Arora[3]

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[3]M.Tech, DAVIET
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Abstract: *Wireless Sensor Network(WSN) consist of several energy prone nodes which runs on the battery power. The whole network is least proficient in terms of Energy, lifetime etc .In this paper, a new MAC Protocol Called DA-MAC is designed to serve the purpose of Robustness and the Dynamic mechanism of the Network .Moreover in this paper there is a term Clear Channel Assessment(CCA) through which MAC must accurately determine if channel is clear or busy so that there must be a possibility to find when and where to do Data Aggregation*

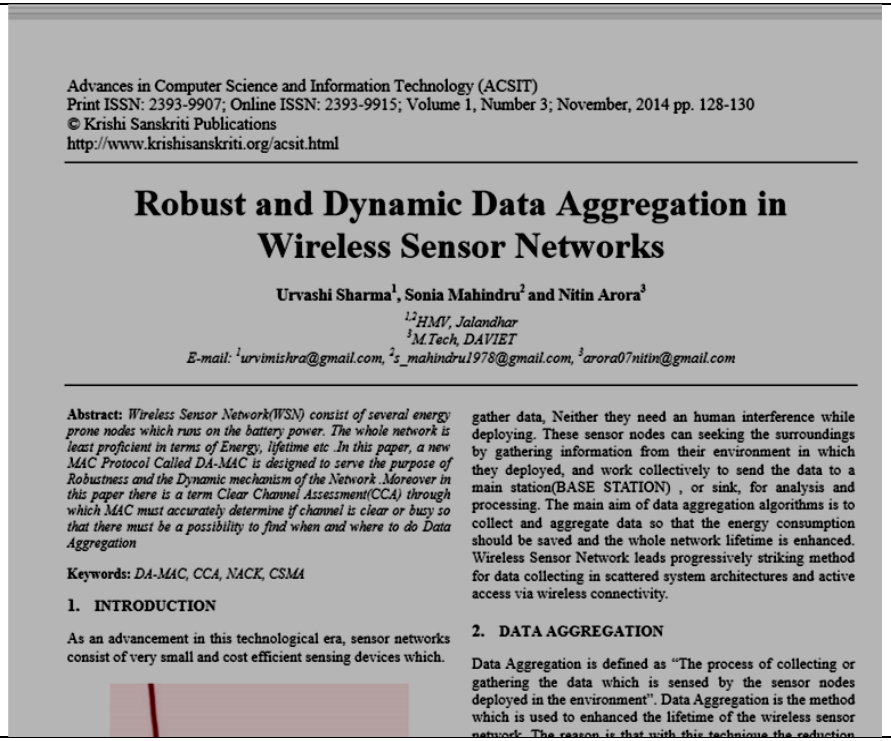
Keywords: *DA-MAC, CCA, NACK, CSMA*

1. INTRODUCTION

As an advancement in this technological era, sensor networks consist of very small and cost efficient sensing devices which. gather data, Neither they need an human interference while deploying. These sensor nodes can seeking the surroundings by gathering information from their environment in which they deployed, and work collectively to send the data to a main station(BASE STATION) , or sink, for analysis and processing. The main aim of data aggregation algorithms is to collect and aggregate data so that the energy consumption should be saved and the whole network lifetime is enhanced. Wireless Sensor Network leads progressively striking method for data collecting in scattered system architectures and active access via wireless connectivity.

2. DATA AGGREGATION

Data Aggregation is defined as "The process of collecting or gathering the data which is sensed by the sensor nodes deployed in the environment". Data Aggregation is the method which is used to enhanced the lifetime of the wireless sensor

27	Robust and Dynamic Data Aggregation in Wireless Sensor Networks https://www.krishisanskriti.org/vol_image/02Jul201511071608%20%20%20Nitin%20Arora%20%20%20%20%20%20%20%20%20%20128-130.pdf	Ms. Sonia Mahindru	Advances in Computer Science and Information Technology	

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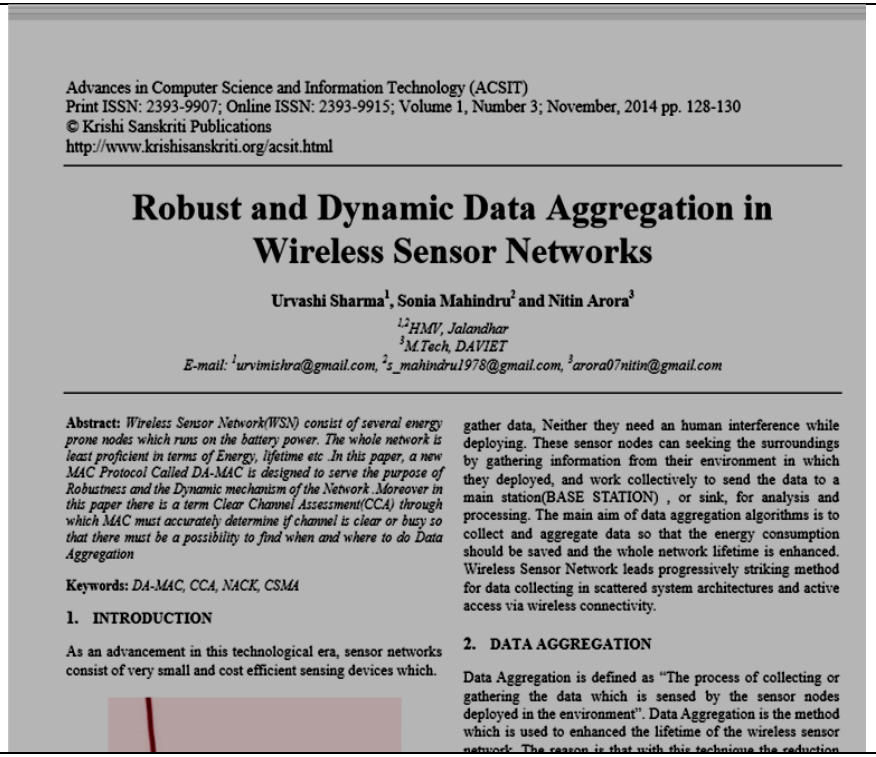
28	Robust and Dynamic Data Aggregation in Wireless Sensor Networks https://www.krishisanskriti.org/vol_image/02Jul201511071608%20%20%20Nitin%20Arora%20%20%20%20%20%20%20%20%20128-130.pdf	Mr. Nitin Arora	Advances in Computer Science and Information Technology	

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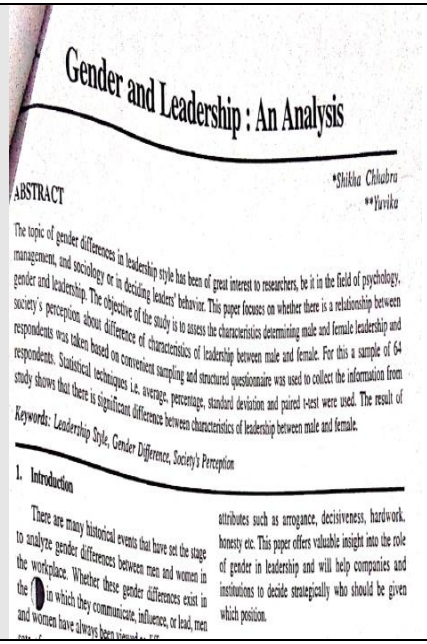
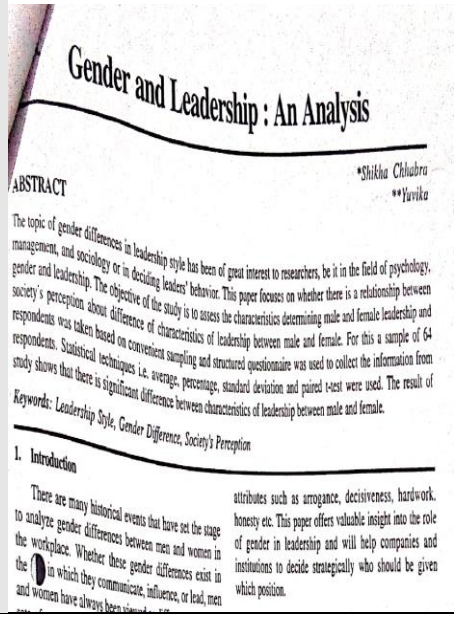
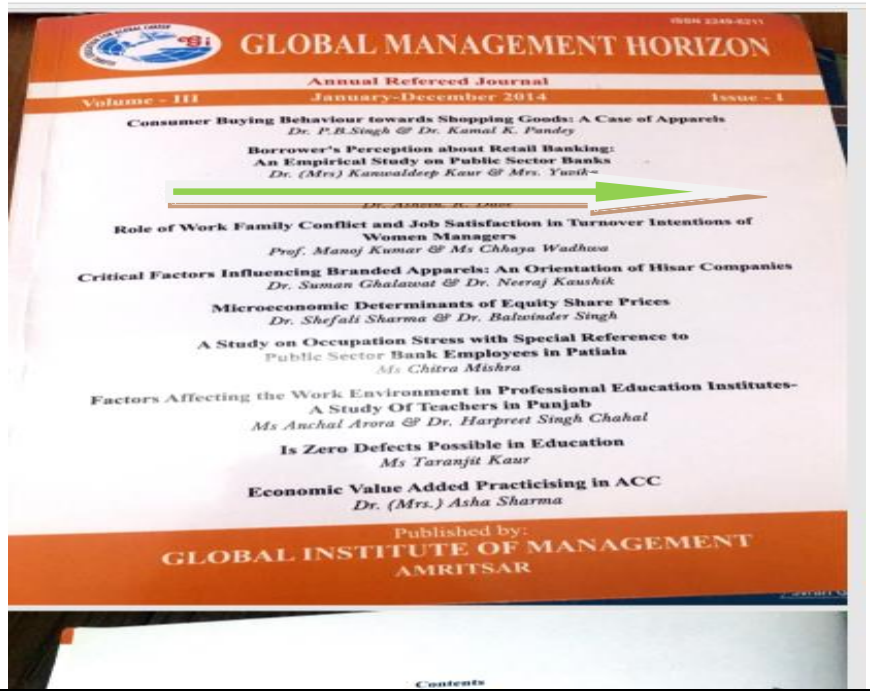
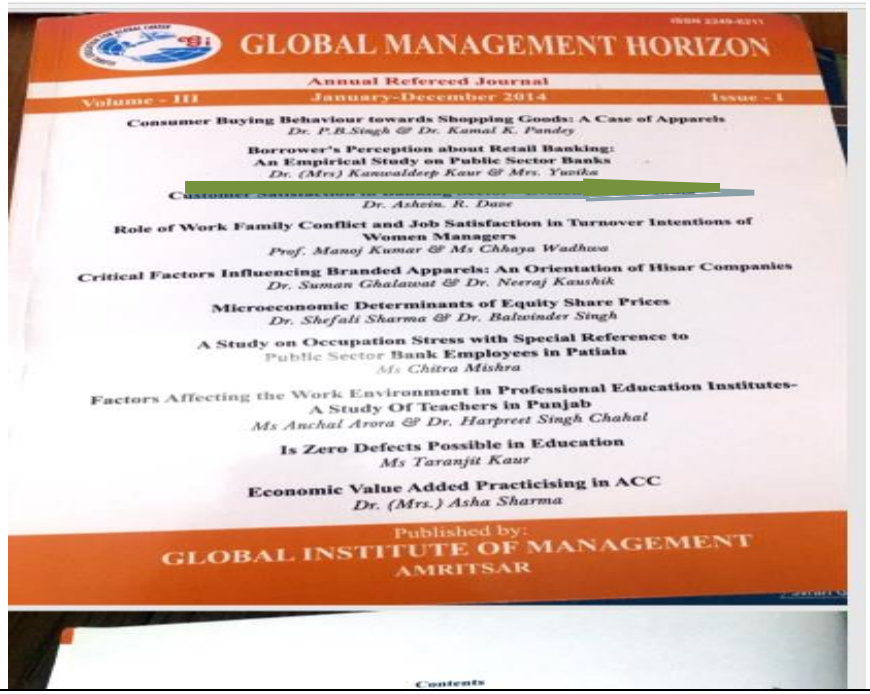
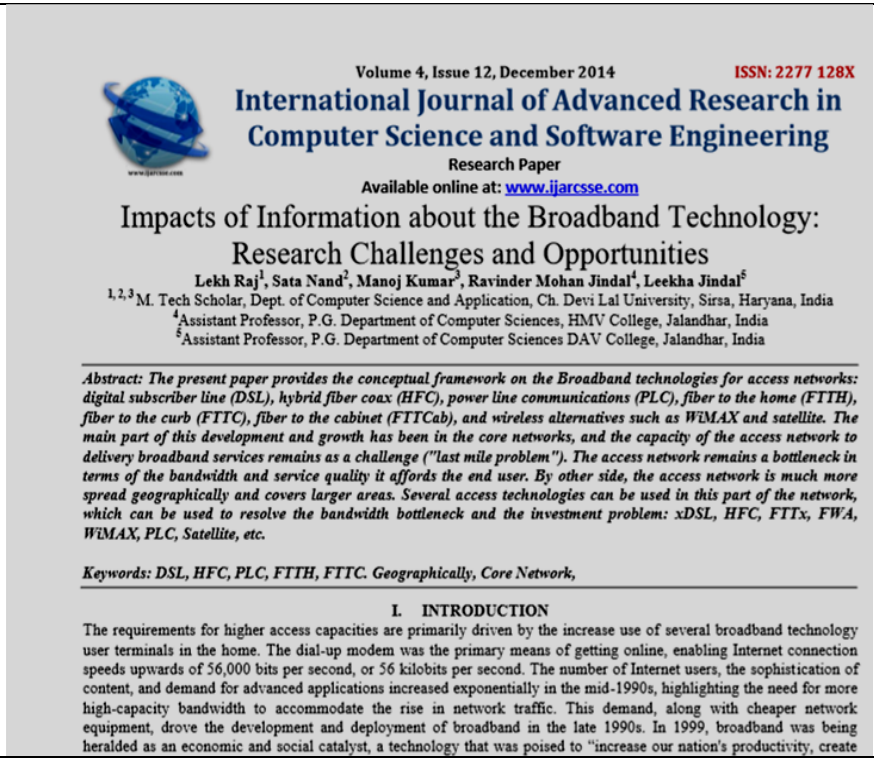
29	Gender & Leadership: An Analysis	Mrs. Yuvika	ENVISION-International Journal of Commerce and Management https://www.hrmmv.org/documents/removedlist/JournalsRemovedfromUGC-ApprovedListofJournals.pdf		 Gender and Leadership : An Analysis *Shikha Chhabra **Yuvika ABSTRACT The topic of gender differences in leadership style has been of great interest to researchers, be it in the field of psychology, management, and sociology or in deciding leaders' behavior. This paper focuses on whether there is a relationship between gender and leadership. The objective of the study is to assess the characteristics determining male and female leadership and society's perception about difference of characteristics of leadership between male and female. For this a sample of 64 respondents was taken based on convenient sampling and structured questionnaire was used to collect the information from respondents. Statistical techniques i.e. average, percentage, standard deviation and paired t-test were used. The result of study shows that there is significant difference between characteristics of leadership between male and female. Keywords: Leadership Style, Gender Difference, Society's Perception 1. Introduction There are many historical events that have set the stage to analyze gender differences between men and women in the workplace. Whether these gender differences exist in the [illegible] in which they communicate, influence, or lead, men and women have always been viewed [illegible] attributes such as arrogance, decisiveness, hardwork, honesty etc. This paper offers valuable insight into the role of gender in leadership and will help companies and institutions to decide strategically who should be given which position.

30	Gender & Leadership: An Analysis	Mrs. Shikha Chabbra	ENVISION-International Journal of Commerce and Management https://www.hrmmv.org/documents/removedlist/JournalsRemovedfromUGC-ApprovedListofJournals.pdf	  Gender and Leadership : An Analysis *Shikha Chhabra **Yuvika ABSTRACT The topic of gender differences in leadership style has been of great interest to researchers, be it in the field of psychology, management, and sociology or in deciding leaders' behavior. This paper focuses on whether there is a relationship between gender and leadership. The objective of the study is to assess the characteristics determining male and female leadership and society's perception about difference of characteristics of leadership between male and female. For this a sample of 64 respondents was taken based on convenient sampling and structured questionnaire was used to collect the information from respondents. Statistical techniques i.e. average, percentage, standard deviation and paired t-test were used. The result of study shows that there is significant difference between characteristics of leadership between male and female. *Keywords: Leadership Style, Gender Difference, Society's Perception* 1. Introduction There are many historical events that have set the stage to analyze gender differences between men and women in the workplace. Whether these gender differences exist in the [illegible] in which they communicate, influence, or lead, men and women have always been [illegible] attributes such as arrogance, decisiveness, hardwork, honesty etc. This paper offers valuable insight into the role of gender in leadership and will help companies and institutions to decide strategically who should be given which position.

31	Borrower's Perception about Retail Banking : An Empirical Study of Public Sector Banks	Dr. Kanwaldeep Kaur	Global Management Horizon	

32	Borrower's Perception about Retail Banking : An Empirical Study of Public Sector Banks	Mrs. Yuvika	Global Management Horizon	

33	Impacts of Information about the Broadband Technology: Research , Challenges and Opportunities http://ijarcsse.com/Before_August_2017/docs/papers/Volume_4/12_December2014/V4I12-0318.pdf	Mr. Ravinder Mohan Jindal	International Journal of Advanced Research in Computer Science and Software Engineering.	

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International Journal of Advanced Research in Computer Science and Software Engineering
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Impacts of Information about the Broadband Technology: Research Challenges and Opportunities

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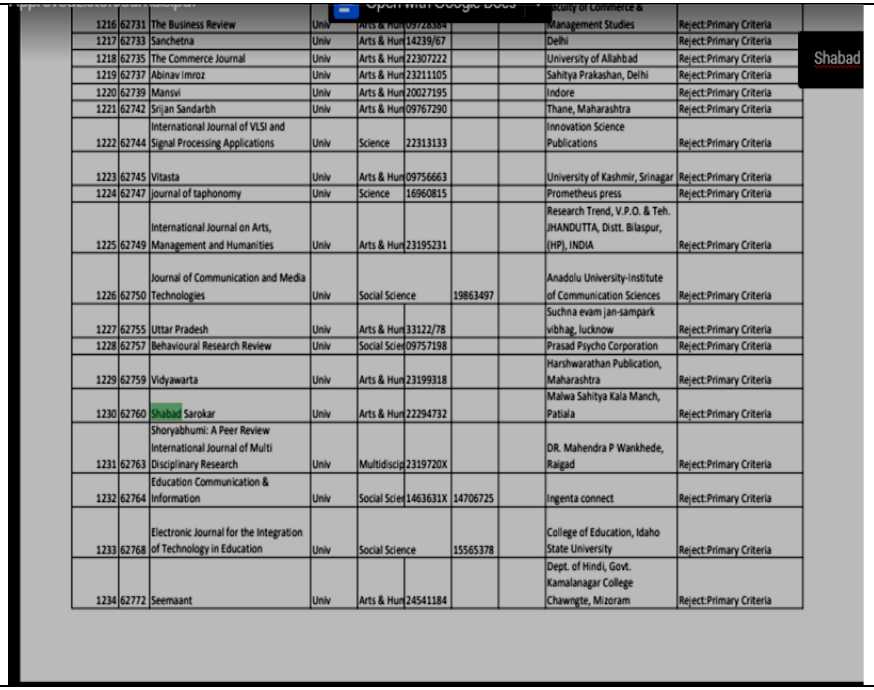
[1,2,3]M. Tech Scholar, Dept. of Computer Science and Application, Ch. Devi Lal University, Sirsa, Haryana, India
[4]Assistant Professor, P.G. Department of Computer Sciences, HMV College, Jalandhar, India
[5]Assistant Professor, P.G. Department of Computer Sciences DAV College, Jalandhar, India

***Abstract:** The present paper provides the conceptual framework on the Broadband technologies for access networks: digital subscriber line (DSL), hybrid fiber coax (HFC), power line communications (PLC), fiber to the home (FTTH), fiber to the curb (FTTC), fiber to the cabinet (FTTCab), and wireless alternatives such as WiMAX and satellite. The main part of this development and growth has been in the core networks, and the capacity of the access network to delivery broadband services remains as a challenge ("last mile problem"). The access network remains a bottleneck in terms of the bandwidth and service quality it affords the end user. By other side, the access network is much more spread geographically and covers larger areas. Several access technologies can be used in this part of the network, which can be used to resolve the bandwidth bottleneck and the investment problem: xDSL, HFC, FTTx, FWA, WiMAX, PLC, Satellite, etc.*

***Keywords:** DSL, HFC, PLC, FTTH, FTTC. Geographically, Core Network,*

I. INTRODUCTION

The requirements for higher access capacities are primarily driven by the increase use of several broadband technology user terminals in the home. The dial-up modem was the primary means of getting online, enabling Internet connection speeds upwards of 56,000 bits per second, or 56 kilobits per second. The number of Internet users, the sophistication of content, and demand for advanced applications increased exponentially in the mid-1990s, highlighting the need for more high-capacity bandwidth to accommodate the rise in network traffic. This demand, along with cheaper network equipment, drove the development and deployment of broadband in the late 1990s. In 1999, broadband was being heralded as an economic and social catalyst, a technology that was poised to "increase our nation's productivity, create

34	Madhaya Kaleen Bhakti Andolan Ka Udabhav : Naveen Paripekshya	Dr. Jyoti Gogia	Shabad-Sarokar https://www.hrmmv.org/documents/removedlist/JournalsRemovedfromUGC-ApprovedListofJournals.pdf	

1216	62731	The Business Review	Univ	Arts & Hun	09726384			Faculty of Commerce & Management Studies	Reject:Primary Criteria
1217	62733	Sanchetna	Univ	Arts & Hun	14239/67			Delhi	Reject:Primary Criteria
1218	62735	The Commerce Journal	Univ	Arts & Hun	22307222			University of Allahbad	Reject:Primary Criteria
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1225	62749	International Journal on Arts, Management and Humanities	Univ	Arts & Hun	23195231			Research Trend, V.P.O. & Teh. JHANDUTTA, Distt. Bilaspur, (HP), INDIA	Reject:Primary Criteria
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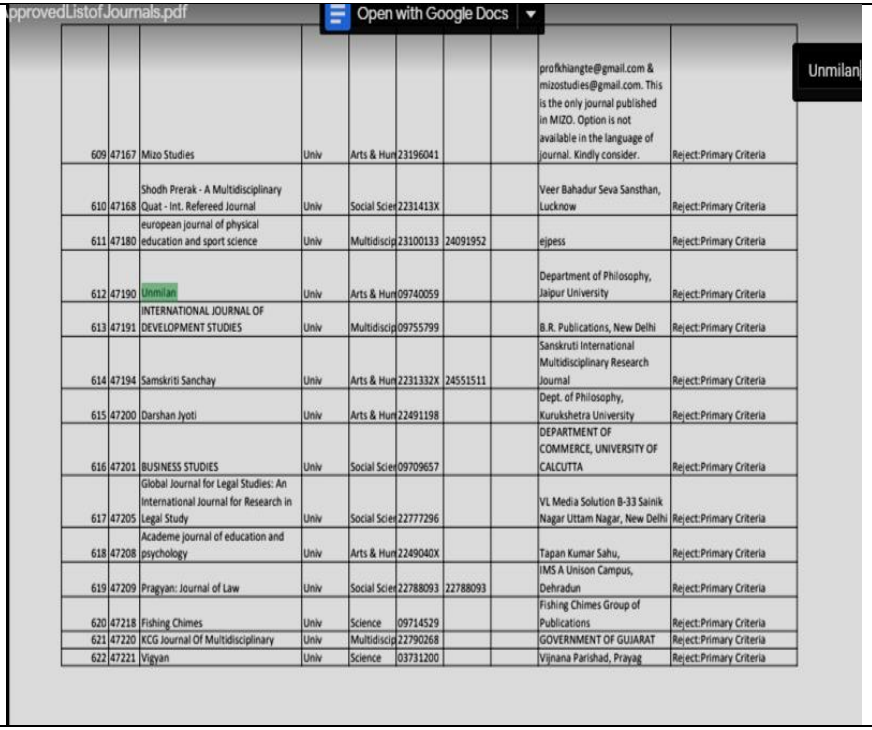
1233	62768	Electronic Journal for the Integration of Technology in Education	Univ	Social Science		15565378		College of Education, Idaho State University	Reject:Primary Criteria
1234	62772	Seemaant	Univ	Arts & Hun	24541184			Dept. of Hindi, Govt. Kamalanagar College Chawngte, Mizoram	Reject:Primary Criteria

35	Ramchiratmanas-Pratikarth vivechan	Mrs. Pawan	Unmilan https://www.hrmmv.org/documents/removedlist/JournalsRemovedfromUGC-ApprovedListofJournals.pdf	

609	47167	Mizo Studies	Univ	Arts & Hun	23196041			profkhiangte@gmail.com & mizostudies@gmail.com. This is the only journal published in MIZO. Option is not available in the language of journal. Kindly consider.	Reject:Primary Criteria
610	47168	Shodh Prerak - A Multidisciplinary Quat - Int. Refereed Journal	Univ	Social Scie	2231413X			Veer Bahadur Seva Sansthan, Lucknow	Reject:Primary Criteria
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612	47190	Unmilan	Univ	Arts & Hun	09740059			Department of Philosophy, Jaipur University	Reject:Primary Criteria
613	47191	INTERNATIONAL JOURNAL OF DEVELOPMENT STUDIES	Univ	Multidiscip	09755799			B.R. Publications, New Delhi	Reject:Primary Criteria
614	47194	Samskriti Sanchay	Univ	Arts & Hun	2231332X	24551511		Sanskruti International Multidisciplinary Research Journal	Reject:Primary Criteria
615	47200	Darshan Jyoti	Univ	Arts & Hun	22491198			Dept. of Philosophy, Kurukshetra University	Reject:Primary Criteria
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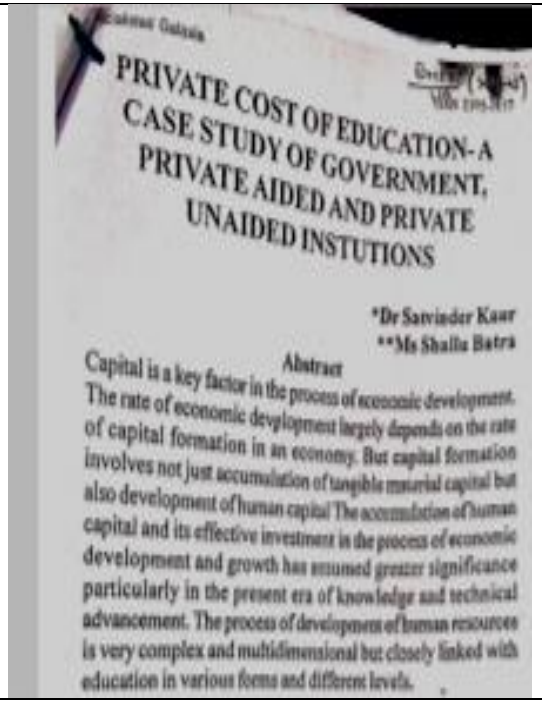
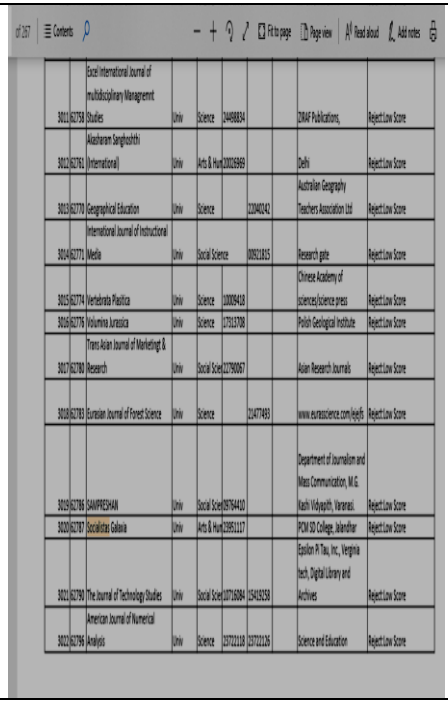
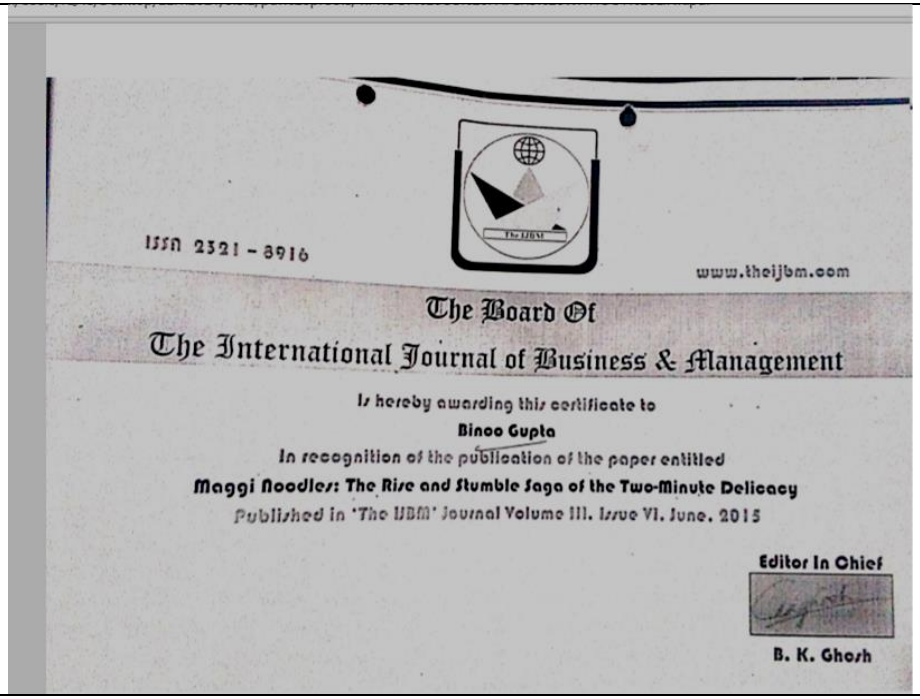
617	47205	Global Journal for Legal Studies: An International Journal for Research in Legal Study	Univ	Social Scie	22777296			VL Media Solution B-33 Sainik Nagar Uttam Nagar, New Delhi	Reject:Primary Criteria
618	47208	Academe journal of education and psychology	Univ	Arts & Hun	2249040X			Tapan Kumar Sahu,	Reject:Primary Criteria
619	47209	Pragyan: Journal of Law	Univ	Social Scie	22788093	22788093		IMS A Unison Campus, Dehradun	Reject:Primary Criteria
620	47218	Fishing Chimes	Univ	Science	09714529			Fishing Chimes Group of Publications	Reject:Primary Criteria
621	47220	KCG Journal Of Multidisciplinary	Univ	Multidiscip	22790268			GOVERNMENT OF GUJARAT	Reject:Primary Criteria
622	47221	Vigyan	Univ	Science	03731200			Vijnana Parishad, Prayag	Reject:Primary Criteria

36	Private Cost of Education - A Case Study of Government Private Aided and Private Unaided Institutes.	Ms. Shallu Batra	Socialistas galaxia https://www.hrmmv.org/documents/removedlist/JournalsRemovedfromUGC-ApprovedListofJournals.pdf	 PRIVATE COST OF EDUCATION- A CASE STUDY OF GOVERNMENT, PRIVATE AIDED AND PRIVATE UNAIDED INSTUTIONS *Dr Satvinder Kaur **Ms Shallu Batra Abstract Capital is a key factor in the process of economic development. The rate of economic development largely depends on the rate of capital formation in an economy. But capital formation involves not just accumulation of tangible material capital but also development of human capital The accumulation of human capital and its effective investment in the process of economic development and growth has assumed greater significance particularly in the present era of knowledge and technical advancement. The process of development of human resources is very complex and multidimensional but closely linked with education in various forms and different levels.	

37	Maggi Noodles : The Rise and Stumble Saga of Two Minute Delicacy	Mrs. Binoo Gupta	International Journal of Business &Management	

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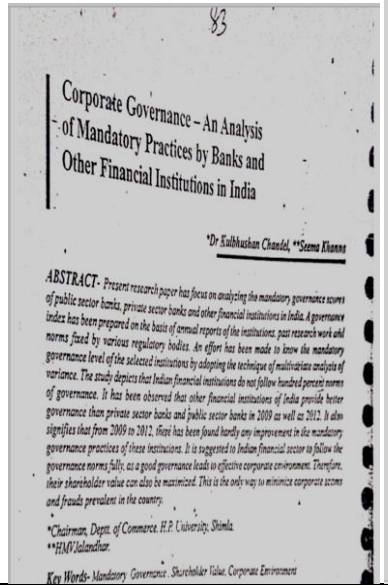
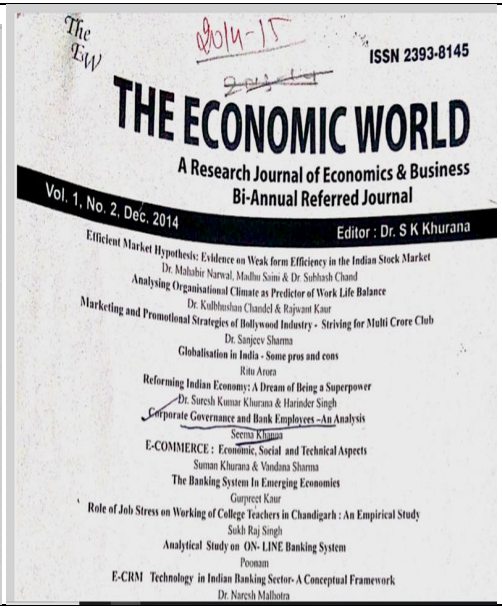
38	Corporate Governance- An Analysis of Mandatory Practices by Banks and other Financial Institutions in India	Mrs. Seema Khanna	The Economic World-A Research Journal of Economics and Business		

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Corporate Governance – An Analysis of Mandatory Practices by Banks and Other Financial Institutions in India

*Dr Kulbhushan Chandel, **Seema Khanna

ABSTRACT- Present research paper has focus on analyzing the mandatory governance scores of public sector banks, private sector banks and other financial institutions in India. A governance index has been prepared on the basis of annual reports of the institutions, past research work and norms fixed by various regulatory bodies. An effort has been made to know the mandatory governance level of the selected institutions by adopting the technique of multivariates analysis of variance. The study depicts that Indian financial institutions do not follow hundred percent norms of governance. It has been observed that other financial institutions of India provide better governance than private sector banks and public sector banks in 2009 as well as 2012. It also signifies that from 2009 to 2012, there has been found hardly any improvement in the mandatory governance practices of these institutions. It is suggested to Indian financial sector to follow the governance norms fully, as a good governance leads to effective corporate environment. Therefore, their shareholder value can also be maximized. This is the only way to minimize corporate scams and frauds prevalent in the country.

*Chairman, Deptt. of Commerce, H.P. University, Shimla.
**HMV Jalandhar.

Key Words- Mandatory, Governance, Shareholder Value, Corporate Environment

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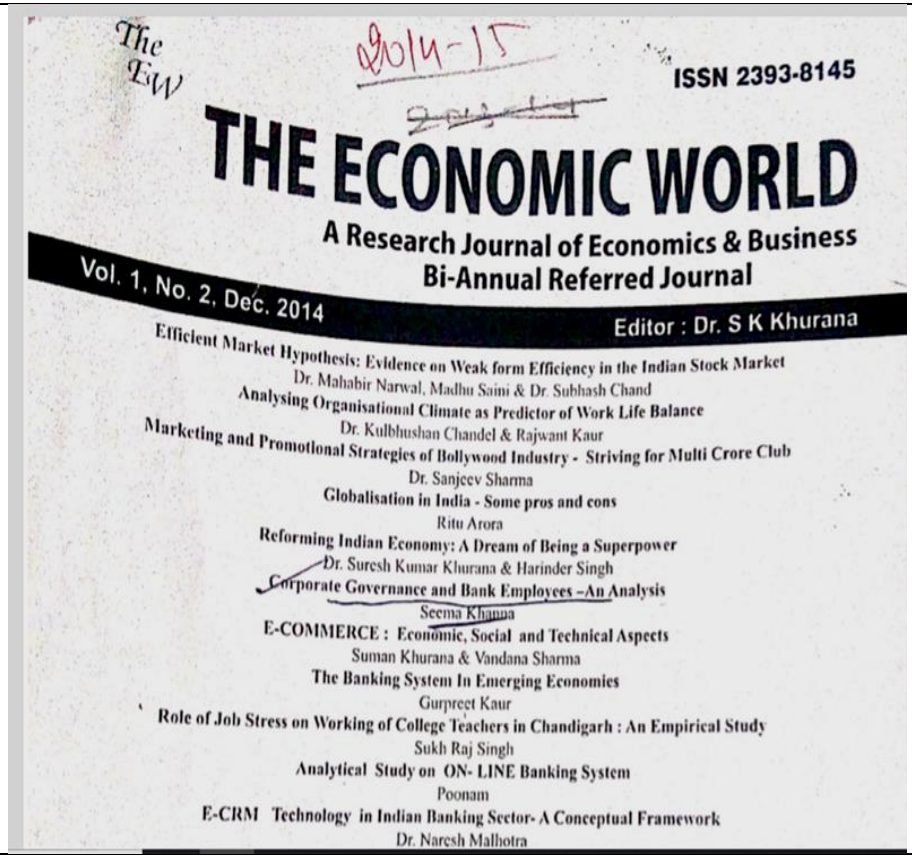
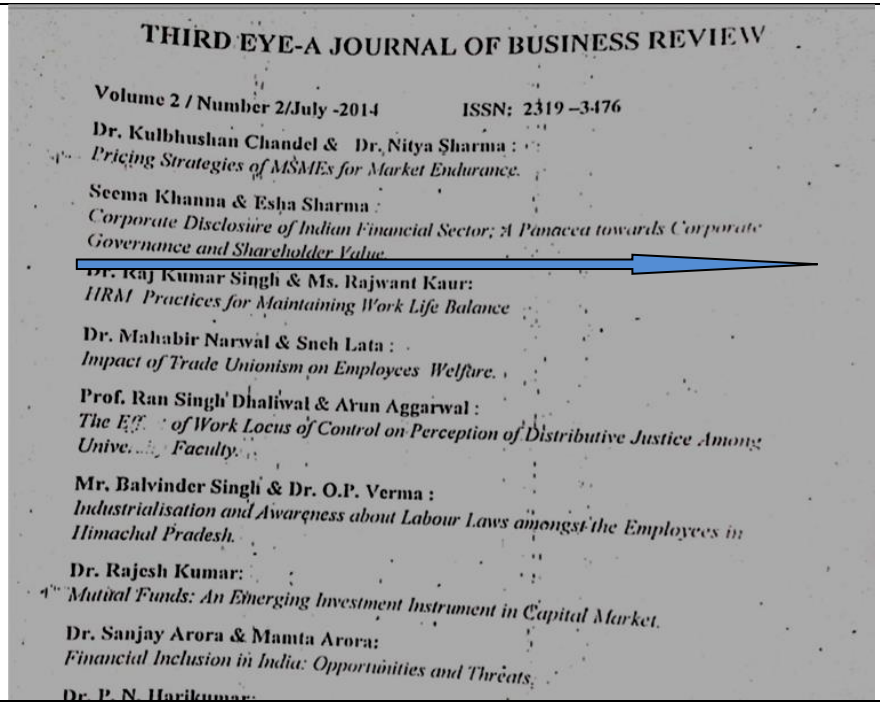
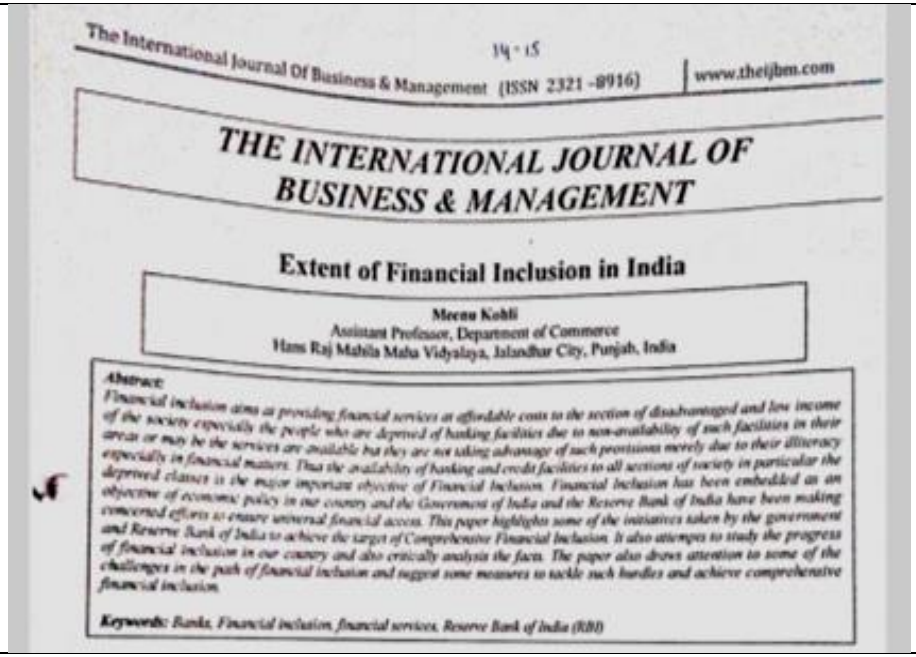
39	Corporate Governance and Bank Employees- An analysis	Mrs. Seema Khanna	The Economic World-A Research Journal of Economics and Business	

40	Corporate Disclosure of Indian Financial Sector : A Panacea Towards Corporate Governance and Shareholder Value	Mrs. Seema Khanna	Third Eye-A Journal of Business Review	

41	Extent of Financial Inclusion in India	Mrs. Meenu Kohli	International Journal of Business and Management	

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Extent of Financial Inclusion in India

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Abstract:
Financial inclusion aims at providing financial services at affordable costs to the section of disadvantaged and low income of the society especially the people who are deprived of banking facilities due to non-availability of such facilities in their areas or may be the services are available but they are not taking advantage of such provisions merely due to their illiteracy especially in financial matters. Thus the availability of banking and credit facilities to all sections of society in particular the deprived classes is the major important objective of Financial Inclusion. Financial Inclusion has been embedded as an objective of economic policy in our country and the Government of India and the Reserve Bank of India have been making concerted efforts to ensure universal financial access. This paper highlights some of the initiatives taken by the government and Reserve Bank of India to achieve the target of Comprehensive Financial Inclusion. It also attempts to study the progress of financial inclusion in our country and also critically analysis the facts. The paper also draws attention to some of the challenges in the path of financial inclusion and suggest some measures to tackle such hurdles and achieve comprehensive financial inclusion.

Keywords: *Banks, Financial inclusion, financial services, Reserve Bank of India (RBI)*