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3.3.2. Number of research papers per teachers in the Journals notified on UGC website during the last year

3.3.2.1 Number of research papers in the Journals notified on UGCwebsite during the last year

| Title of paper | Name of the | | Departmen | Name of | Year of | ISBN/I | | |
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| BIOTECHNOLOGY | | | | | | | | |
| Isolation of Fungi | Bhawana | В | iotechnology | International | 2023 | ISSN | | |
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| The role of | Dr. Mohana | E | ducation | Editorial | 10 | | | |
| Emotional | Sushant | D | epartment | Board of | march | ISSN:25 | | |
| intelligence in | Pandit | | | Universe | 2024 | 82-6417 | | |
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| COMMERCE | | | | | | | | | |
| A Study Of Agricultural And Rural Development Of Chhattisgarh | Dr. Bharti Verma | Commerce | International Journal of Social Science & management Studies | August, 2023 | ISSN- 2454- 4655 | | | | |
| Women Entrepreneurship In Tourism Industry a Study on Women Entrepreneurial Opportunities And Challenges In Tourism Industry Of Chhattisgarh | Dr. Bharti Verma | Commerce | Swadeshi Research Foundation | Sep- 2023 | ISSN: 2394- 3580 | | | | |
| A study on performance of selected hybrid mutual funds in Indian Capital Market | Dr. Rajshree Sharma | Commerce | IPE Journal of Management | Jan- June 2024 | ISSN No. 2249- 9040 | | | | |
| Agriculture Products Pricing and Marketing in Chhattisgarh | Dr. Rajshree Sharma | Commerce | International Journal Of Social Science and Management Studies | Aug- 2023 | ISSN No. 2454- 4655 | | | | |
| MGNREGA and Women Empowerment | Dr. M. Madh uri Devi | Commerce | International Journal of Social Science & Management Studies(I.J.S. S.M.S.) UGC | March- 2024 | ISSN: 2454 - 4655 | | | | |
| A Study of Financial Performance using Ratio Analysis of Steel Authority of | Dr. M. Madh uri Devi | Commerce | Pontifical Universidad Catolica De Chile Facultad De Letras | Septem ber 2023:7 95-804 | ISSN: 0718 - 5758 | | | | |

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| Socialization in the Era of Social Media – A Study of Bhilai. | Dr. M. Madhuri Devi | Commerce | Hi – Tech Research Analysis - UGC Approved & Peer- Reviewed Journal | Feb- July 2023 | ISSN No. 2231- 6671 | | |
| Critical Analysis of Digital payment System | Dr. M. Madhuri Devi | Commerce | Interlink Research Analysis International Registered & Recognized Research Journal | Jan2024- Jun2- 2024 | ISSN 0976- 0377 | | |
| Balancing Population and Livelihood is a Challenge for Indian Economy | Dr. M. Madhuri Devi | Commerce | International Journal of Social Science & Management Studies (I.J.S.S.M.S.) UGC S.No. 5351 | August 2023. | ISSN: 2454 - 4655 | | |
| Impact of COVID-19 on digital Marketing in India | Dr. Nidhi Monika Sharma | Commerce | International Journal Of Social Science and Management Studies | August, 2023 | ISSN No.2454 -4655 | | |
| सतत कृषि विकास अवसर और चुनौतियां | Dr. Nidhi Monika Sharma | Commerce | International Journal Of Social Science and Management Studies | August, 2023 | ISSN No.2454 -4655 | | |
| A study on exploring the transformation and dynamics of an emerging economy | Dr. Nidhi Monika Sharma | Commerce | Research Journal of Management Sciences | June,20 23 | ISSN No. 2319- 1171 | | |
| | HOME SCIENCE | | | | | | |
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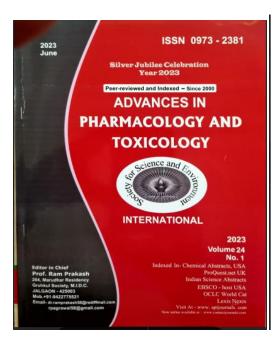
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| Some Demeanor | M. | Maths | International | 2024 | ISSN: | | |
| Based on Utility | Bhagyalaxmi | | Journal of | | 0973- | | |
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| Histopathological | S. Singh, Raju, | Zoology | Eco. | 2 | 0971- | | |
| Impact of Silver | A. Shrivastava, | | Env. & | 0 | 765 X | | |
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| Review | | | | 3 | | | |

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3.3.4. Number of research papers per teachers in the Journals notified on UGC website during the last year

3.3.4.1. Number of research papers in the Journals notified on UGCwebsite during the last year

BIOTECHNOLOGY



Adv. Pharmacol. Toxicol. Vol. 24 (1) 2023, 1-8 ISSN - 0973 - 2381

ISOLATION OF FUNGI FOR LIPASE PRODUCTION FROM PADDY FIELDS

hawana Pandey" And Chitra Bhattacharya Department of Biotechnology and Microbiology, Bhilai Mahila ahavidyalaya. BHILAI (C.G.) INDIA Department of Microbiology, Atmiya University, Rajkot, Gujarat, INDIA

Three different fungal strains of Aspergillus sp. were isolated and screened. These isolates were identified on the basis of morphological and microscopic studies. Among these fungal strains, Aspergillus fumigatus gave the best results for these studies. Olive oil substrates were optimized, and a maximum lipase activity of 85.51 U/g was observed at pH 7.0. Maximum lipase activity was observed for an incubation period of 72 hrs at 30°C.

INTRODUCTION

INTRODUCTION

The ester hond between triacylglycerol, free fatty acids, and glycerol is broken by lipases, which are hydrolytic enzymes. Lipases can catalyze esterrification, interesterification, and transesterification processes in non-aqueous conditions as part of their normal function (Ghala Mahmoud et al., 2015). Generally speaking, fungi are the best sources of lipase and are preferred for industrial uses. Recently, it has become more common to make biotechnological products, especially enzymes, from waste biomaterials. In recent years, solid substrate fermentation (SSF), which uses cheap media to make enzymes and other microbial products, has become more popular. Both plant and animal cells have lipases. For the synthesis of lipase, certain microbes are preferred. Because of their biotechnological potential, lipase enzymes are enzyment are currently receiving a lot of interest. The microbial enzymes are preferred among the sources of lipases because they are inexpensive, highly stable in organic solvents (which are frequently employed in synthesis procedures), require no cofactors, and have a wide range of pH and temperature stabilities (Hikhar et al., 2010).

To obtain the microbial enzymes, two processes can be employed: submerged fermentation (SmF) and solid-state fermentation (SSF) (Oliveir et al., 2013). The SSF is the process where the substrate given to the microorganism is solid, and is moistened by a nutritious solution or a buffer solution. According to Bhattacharya et al. (2016), this method appears useful because it makes use of widely accessible.

Isolation and Characterization of Newly Laccase-Producing Endophytic Fungi in Submerged Cultures from Calotropis gigantean Plant Leaves

dra Gupta², Tanushre

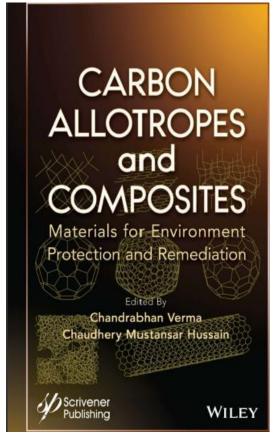
ABSTRACT
The aim of the side study to isolate and identify new becomes owners from an endophytic fungal in the aim of the side of the side

NTRODUCTION

Toward factors, including post-ingestion metabolic excretion, or creat factors, including post-ingestion metabolic excretion, or constitute to harmaceuticals' environmental contamination (Plubber et L., 2018). The health of people and animals is significantly spaced by the pollutants and toxins that accumulate in hallenging and are discharged into water bodies (Daughton, 004). Biotechnologists are creating innovative tools and ownormentally friendly procedures all over the world tomitigate he fact that remarkable selectivity high productivity while saintaining a low impact on the ecosystem, microorganisms and microbial enzymes are being used to eliminate industrial endership high productivity while saintaining a low impact on the ecosystem, microorganisms and microbial enzymes are being used to eliminate industrial endership high productivity while saintaining a low impact on the ecosystem, microorganisms and endership the saintaining and the saintaining and

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Zoology



Carbon Allotropes in Lead Removal

Shippi Dewangan¹, Amarpreet K. Bhatia²⁺ and Nishtha Vaidya³

¹Department of Chemistry, SW Pukeshwar Singh Bhardiya Govt. College, Nikum, Durg, Chhattisgarh, India ²Department of Chemistry, Bhilai Mahila Mahavidyalaya, Bhilai Nagar, Chhattisgarh, India ³Department of Zoology, Bhilai Mahila Mahavidyalaya, Bhilai Nagar, Chhattisgarh, India

Abstract

By manipulating the size and structure of the materials at the nanoscale, nanotechnology is an advanced discipline of research that can address several environmental problems. Adsorbents made of carbon nanotubes have generated a lot of interest as prospective heavy metal removal sorbents. Due to their benign makeup, high area of surface, ease of biodegradation, and special utility in environmental cleanup, carbon nanoparticles are exceptional. Water contamination with lead is a serious issue that puts people's health at risk. Carbon nanomaterials (CNMs) are gaining attention as they posse's specific physicochemical qualities because of that, they are used to treat heavy metals present in some concentrations in wastewater. Because of their high surface area, nanoscale size, and presence of different functionalities as well as the ease with which they can be chemically modified and recycled, carbon nanomaterials (CNMs), specifically carbon nanotubes, fullerenes, graphene, and graphene oxide, have a specific property to treat lead-contaminated water. This chapter has examined recent developments in the use of these carbon nanomaterials for treating water contaminated with lead metal and has highlighted their use for environmental remediation.

Keywords: Water pollution, lead, carbon allotropes, adsorption, carbon nanotubes, fullerene

Chandrabhan Verma and Chaudhery Mustansar Hussain (eds.) Carbon Allotropes and Composites Materials for Environment Protection and Remediation, (51–72) © 2023 Scrivener Publishing LLC

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Carbon Allotropes in Air Purification

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Abstract

One of the most fundamental and adaptable components found in the landscape, carbon has a variable that allows it to generate different allotropes. Carbon has been employed as an energy source for the last few decades. Today, carbon plays a large and outsized role in virtually every area of applied science, including research, technology, and innovation. We should all be aware of carbon's extraordinary properties, including its many forms and allotropes, as well as how widely they are used in fields as disparate as science and environmental preservation and restoration. To cure a variety of organic and inorganic contaminants for renewable energy and environmental protection, amazingly adaptable nanomaterials, and carbon nanotubes can be used. One of the biggest environmental issues we face today is global warming, which was brought on by the improper use of fossil fuels, which resulted in the development of greenhouse gases. The majority of air pollutants, such as carbon monoxide, sulfur dioxide, nitrogen oxides, organic volatile compounds, ozone, toxic substances, and inhalable particulates (PM 2.5 and PM 10), were found as a result of incomplete combustion of the gases. These pollutants differ in their chemical makeup. A recent definition of nanoparticles of carbon. It possesses the capacity to change the world in terms of new inventions, technology, power, and accuracy as well as enable humankind will explore new depths and heights, states that one of the most significant goals of sustainable development is the protection of environmental health. The use of carbon allotropes and the elimination of environmental air contaminants and the methods used to clean them were discussed in the current book chapter. The application of carbon allotropes and their synthesis as nanoparticles, as well as the uses of

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Chandrabhan Verma and Chaudhery Mustansar Hussain (eds.) Carbon Allotropes and Composites: Materials for Environment Protection and Remediation, (191–228) © 2023 Scrivener Publishing LLC

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Carbon Allotropes in Nickel Removal

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Abstract

The stock of secure drinking and uncontaminated water is getting to be progressively perplexing recommendations all through the world. The arrangement of naturally economical nanomaterials with one-of-a-kind preferences specifically selectivity, elevated effectiveness, great quantity, eco-friendly, low-charge of generation forms, and steadiness, has been a need even though a few critical tasks and imperatives quite remained uncertain. Carbon nanomaterials, to be specific, single- and multiwalled nanotubes of carbon, fullerene have been created and connected for instance adsorbents for the management of contaminated water and refinement; nanomaterials based on graphene and graphene oxide have appeared as noteworthy guarantees for the management of contaminated water and water filtration, particularly, for mechanical- and pharmacological-loaded squanders. The expulsion of nickel from the sea-going environment could be a genuine natural issue in see of open well-being. Consequently, this chapter includes progressed carbonaceous nanomaterials and techniques that are used for the disposal of nickel particles in aquatic environments, and instance innovative nanosorbents for drinking groundwater and contaminated water management. Moreover, later patterns and tasks relating to the maintainable graphene and carbon-inferred nanomaterials and their apparatuses for considering and decontaminating polluted water are emphasized.

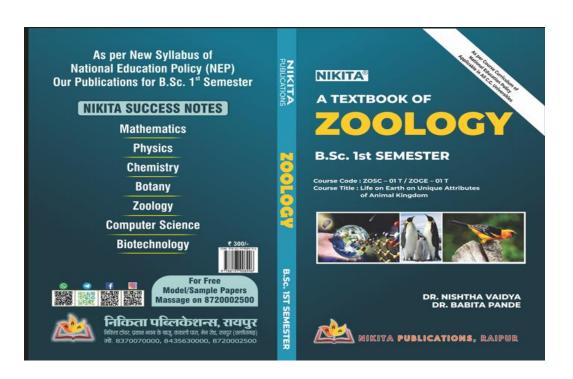
Keywords: Nanotubes of carbon, graphene, fullerene, nickel ion, contaminated water, adsorption

Chandrabhan Verma and Chaudhery Mustansar Hussain (eds.) Carbon Allotropes and Composites: Materials for Environment Protection and Remediation, (73–90) © 2023 Scrivener Publishing LLC

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Course Type : Discipline Specific Course (DSC)

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AUTHOR

DR. NISHTHA VAIDYA Asst. Prof., Dept. of Zoology, Bhilai Mahila Mahavidyalaya, Bhilai (C.G.)

2024
Publisher: Nikita Publications
Nikita Tower, Kankali Para, Main Road, Raipur
(C.G.)

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ISBN: 978-81-979089-9-6

New Edition : 2024 Price : Rs. 300/-

Tower, Main Road Kankali Para, Chhattisgarh (India) 83700-70000; 84356-30000 nikitapublicationss@gmali.com

Laser D.T.P. Composing: "Nikita Computer Centre" Nikita Tower, Main Road Kankali Para, Raipur (C.G.)

Phincipal Bhllai Mahila Mahavidyalaya Hospital Sector, Bhilai, Durg (C.G.) Volume 3, Issue 1, January – 2024 PP 59-63

International Journal of Futuristic Innovation in Arts, Humanities and Management (IJFIAHM)

Research paper On "The effect of socialchange on the social behavior of students

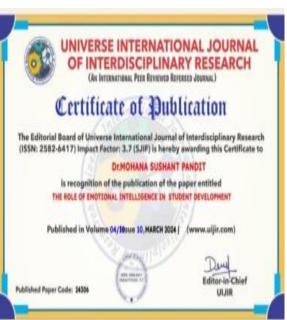
Dr. Mohana Sushant paudit, Mrs. Heera Manikpuri Department, Department of Education, Bhilai Mahaila Mahavidyalaya Bhilai (C.G) Presented by Research scholar, Hemchand Yadav University, Durg (C.G)

ABSTRACT: Education, as a transformative process, unfolds the inherent potential and shapes the personality of an individual, preparing them for adult roles and responsible citizenship within society. Offering essential skills and knowledge, education cultivates concentration, hard work, and a sense of social responsibility to address societal challenges. Educated individuals actively contribute to social welfare, making education a potent instrument for social change. This reciprocal relationship between education and society underscores the societal influence on the form and nature of education. As society undergoes changes, education adapts, facilitating social transformation. This study explores the nexus between education and social change, focusing on the impact of social changes on the social behavior of students. By examining the influence of social stimuli, cultural factors, and group dynamics, the study delves into how these factors shape students' academic, social, intellectual, and cultural development. The investigation aims to elucidate the effects of social change on students' behavior, adjustment, and thinking, offering valuable insights into the intricate

INTRODUCTION

Education is a process which develops the inherent potential and personality of a person. This process helps him to play the role of an adult person in the society and prepares the person to become a member of the society and a responsible citizen. Provides necessary skills and knowledge. Through education, we are given a sense of concentration, hard work and social responsibility to solve the problems of the society. Educated people play active roles in the society and contribute to social welfare. Education is the most powerful instrument of social change. Man becomes modern through education and brings real change in the society itself. There is a deep connection between education and society. The process of education is a social process. It is the society itself that decides what should be the form of education given to its

ISSN 2583-6196 UFLAHM



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International Journal of Social Science & Hanagement Studies (£155.M.S.)

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A Study of Agricultural and Rural development of Chhattisgarh



Principal Bhilai Mahila Mahavidyalaya Hospital Sector, Bhilai, Durg (C.G.)

Women Entrepreneurship in Tourism Industry A Study on Women Entrepreneurial opportunities and challenges in Tourism industry of Chhattisgarh

Dr. Bharati Verma Assistant Professor, Bhilai Mahla Mahavidyalaya Hospital Sector, Bhilai

Assistant Professor, thilal Markil.

Be accommic in hadia as it is the largest contributor to the foreign currency earnings. Globelly, small firms are considered to have an important role in the economy serving as a agent of change by their entrepreneural activity. Women Entrepreneurs as an positively contribute towards the local or national economy by pursuing Tourism as a development strategy. The glorious culture and heritage our nation are closely linked with the development of Tourism women.

Women Entrepreneurs need to boost development of Tourism which turn helps in progress of a country. The key findings of this study show the challenges and opportunities for women Entrepreneurs mainly in Tourism Industry of the woods.

Key words :- Tourism, women Entrepreneu

Introduction: Tourism Industry has been recognized as one of the implicit areas for profitable development and profitable metamorphosis in the world. Service Industry like metamorphosis in the world. Service ledustry like tourism opens immense openings for employment generation and entrepreneurial practices especially for developing and under developed countries. It has been recognized as one of the fastest growing assiduity in India and the world, where the compass of employment and entrepreneurship both are unlimited. Tourism is little different from other goods. It's largely reliable on seasonal factors and guest's satisfaction criteria. Like the other assiduity, tourism also drink and encourage women participation not only as trained and untrained force, but also as a business leaders and entrepreneurs. As a parent assiduity, tourism supports and encourages other confederated areas to contribute further and produce employment and business openings. The number of women entrepreneurs are adding day by day and their benefactions are also recognised and appreciated encydoperically. CHHATTEGARH is also known as proteen touriam products and tourism business occasion. Government enterprise have formerly been taken to promote and exercise tourism each over the state. Business and exercise tourism each over the state. Some and exercise tourism each over the state. Some and exercise tourism each over the state. Some and exercise tourism each over the state. Characterism produces and support system to make Characterism produces and support system to make Characterism produces. Characterism is blessed rich nature beauty and diversity and espectant with rich heritage. It has colorful geomorphology, monument delicately outpeted tabernacks, wildlife, beautiful falls, ancient grottoes. Busidhits spots, green timbers and ethnical town lets.

capernaces, wildline, beautiful falls, ancient grottoes, Buddhist spots, green timbers and ethnical town lets.

Nearly all of these location serve as a new and interspersing sightseer destination and give an engaging experience to the trippears.

The distinct metropolises and municipalities of Chhattisgarh correspond of their own separate unique appeal and charm. Bester own separate unique appeal and charm. Bester region has a unique netural and artistic actuality that can amp the excursionists. Dandewada is dominated by the autochthons or the ethnical people who still continue their age old life. Bhilai on the other hand is a well-developed megacity and forms the central point of assiduity and frugality of the state. Nature Tourism in Chhattisgarh. The stunning and magnific falls of Cheattisgarh. The stunning and magnific falls of Cheattisgarh, Chitradhara, Chitzakook, Chinadhar, Tamda and numerous others are popular as family fun and games spots. Chhattisgarh is a haven for

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Dr. Rajshree Sharma:

IPE Journal of Management ISSN 2249-9040 Volume 14, No 1, January-June 2024

A Study on Performance of Selected Hybrid Mutual Funds in Indian Capital Market

Duna Jogeswar Rao¹, Dr. Rajshree Sharma², Dr. Syed Saleem Aquil

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nic Indian mutual fund industry, which has grown impressively to reach ₹50.78 trillion AUM as of December 31, 2023. The study examinesselected hybrid mutual funds in the India's stock market from 2019 to 2023. It considers important variables like average returns, Beta, Sharpe ratio, Treynor ratio, and Jensen alpha. The findings highlight HDFC Balanced Adv Dir Gr, Bank of India Mid & Small Cap E, and Quant Absolute Fund as they regularly provide superior average NAV returns. HDFC Balanced Adv Dir Gr and UTI Aggressive Hybrid Fund have favourable risk-adjusted metrics, however concerns are raised regarding DSP Equity & Bond Fund. This research shows how important it is for investors to carefully study and understand their own willingness to take risks and their financial goals. It emphasizes that the market is always changing, and to do well in investments, it's crucial to make smart decisions when choosing funds and actively managing your investment mix.

Keywords:Investment, Risk-Adjusted Returns, Sharpe Ratio, Treynor Ratio, Jesen Alpa

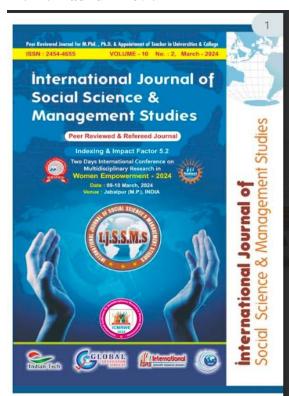
order to generate long-term returns. A fund manager or portfolio manager, who is an investment professional, oversees this collection of funds. It is his or her responsibility to allocate the corpus across a variety of assets, including equities, bonds, gold, and other securities, with the expectation of generating returns. The investors collectively bear the gains (or losses) a with the investment in accordance with their respective contributions to the fund. The Mutual Fund Industry of India has grown significantly in the past decade, with AUM reaching ₹50.78

International Journal of Social Science & Management Studies & Management International Journal of Social Science & Manageme Science

Principal Bhilai Mahila Mahavidyalaya Hospital Sector, Bhilai, Burg (C.G.)



Dr. M. Madhuri Devi:



International Journal of Social Science & Management Studies (I.J.S.S.M.S.)

Peer Reviewed-Refereed Research Journal, Indexing & Impact Factor - 5.2, Ex - UGC S.N. 5351

ISSN: 2454 - 4655, Vol. - 10, No. - 2, March - 2024, Conference Special Issue English

2024

Mgnrega and Women Empowerment

Dr. M. Madhuri Dev

Assistant Professor, Commerce, Bhilai Mahila Mahavidyalaya, Durg

Introduction about the study :- Women are an integral part of the economy. Since early ages women were treated like 'objects'. For a long time women in India remained within four walls of their house, but now everything has changed, women and men have become head to head in every sphere of life and that's why empowering them more is the need of the hour. Women is the important element which constitute the family, and which leads to society and nation. Social and economic development of women is necessary for overall development of society. A nation's all round development and harmonious growth would only be possible when women will be considered as equal partners in progress with men.

The term **Empowerment of Women** refers to the process of providing power to women to stand up with others and help them to lead a prosperous and successful life.

- Woman's empowerment has five components:> Woman's sense of self-worth,
- > Their right to have and to determine choices,
- Their right to have access to opportunities and resources,
 Their right to have the power to contribute
- their own lives both within and outside the home.

Review of Literature: There are many studies conducted related to the Impact of MGNREGA on women's participation and their empowerment, which are as follows:-

which are as follows:-Maurya (2004) also identified why Mahatma Gandhi National Rural Employment labour force. In 2004-05, 348 million workers lived in rural areas and the majority of them (56.5% of the total workers) earned their livelihood from agriculture. But in agriculture sector, the employment is only for a short period of time and rest the time they are unemployed. (O.P.Maurya, 2004; 48)

Sudha Narayanan (2007) conducted a survey on the sideline of social audit regarding women participation and crèche facilities in Villupuram district (Tamil Nadu) from July 29 to 31 under MGNREGA. The survey covered 15 MGNREGA worksites of 11 villages located in two blocks (Tirukovilor and Tiruvennainellur) of Villupuram district (Tamil Nadu). A total of 104 women workers with at least one child below the age of six years were interviewed. The survey found that 41 percent women were getting income from MGNREGA and most of them belonged to SC"s and ST"s in the district. In Vengur village the scheme solved the problem of water scarcity, which was available from the pond constructed under MGNREGA. Thiathanur village residents were dependent on the mercy of the Zamindars, but MGNREGA gave them a sense of independent and security by providing them work. So the scheme was a lifeline for the rural people. Some of them said that they would "starve" without MGNREGA. 41 percent respondents declared that MGNREGA has been the only source of income for the households in the past few months. 95 percent said that it was their own decision to work under MGNREGA. MGNREGA was the only option when there was no agricultural work. The problem faced by women at worksites

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A Study on Financial Performance using Ratio Analysis of Steel Authority of India

Sakan Solanki, Dr. M. Madhuri Devi, Dr. Sved Saleem Aquil Research Scholar, Hemchand Yadav University, Durg C.G. Assistant Professor, Bhilai Mahila Mahavidyalaya, Sector 9, Bhilai Assistant Professor, Drillar Marina Maria (1975), 25-2-1-1, Nagar, Durg, C.G. Assistant Professor, Kalyan PG College, Bhilai Nagar, Durg, C.G

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INTERLINK

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ONOMÁZEIN 61 (September 2023): 795-804 ISSN: 0718-5758

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In 1991 the Indian Government initiated economic reform; this Reform added further dimension in industrial growth as well as also boosted the growth of steel industry. India's team industries development is depended or driven by domestic accessibility and availability of raw material like Iron cerespiners a dependent of union by duriness, accessioning and areasoning or in a marketime in or or and low-cost abour. To promote and to boost steel sector government introduced various steps like. National Steel Policy which came in year 2017 and also allowed 100% foreign Direct linesterment in this sector. To provide further momentum in growth of steel industry the government eases industrial policy, also removed restriction on external trade, both in export and import. The export of Steel started a long time ago but and that time it was not regulated and heavily Reliant on domestic surpluses. But after liberalization a sudden jump was seen in Steel export.

SAIL is Inda's most iron producing company. It has around annual sales of 1.05.398 crore (US Dollar 13 billion). The SAIL is in top five Maharatnas of the country public sector units. There are five integrated steel plants which are own and operated under SAIL is Billia, Rourfeia, Bolaro, Berrupur, Durgapur, SAIL is one of the largest Steel producer which is owned by Government. It is estimated that by 2025 the production of hot metal capacity of the company will reach up to fifty million torones per annum. Three special Steel plants which are at Salem. Durgapur, and Bhadravathi are also managed by SAIL. It also possesses a ferro alloy plant at Chandrapur. Due to increasing demand of Steel and having the advantage of quality of raw material and lason, the public sector units is going through a huge expansion and remodeling program by building new facilities by giving more importance on Green Innovative Technologies and Internet of Things. "*Bhilla Steel Plant**

ORIECTIVES OF THE STUDY

- OBJECTIVES OF THE STOUT

 To analyze the profile of Steel Authority of India.

 To evaluate the company's financial performance by using different ratios.

 To identify areas of weakness and suggest measures.

2. Research Methodology

Methods of Data Collection: This research is based on secondary data and the data is collected from annual reports, ministry of steel.

ime Period of the study. The period of the study is from 2017-2022, covering a time period of

tistical Tools and Techniques: To analyze the financial performance of the company the statistical that has been used is Mean, Standard deviation and Variance.

3. Limitation Of The Study

This study has following limitations

- is alloying line informing limitations. The current study is based on Five years period i.e. 2017-2018 to 2021-2022 for financial analysis of Steel Authority of India.

 The study is based on secondary data like audited company's annual report.

Interlink Research Analysi



ISSN 0976-0377

Critical Analysis of Digital Payment System

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Research Paper - Commerce

ABSTRACT

The core objective of this study is to have a thorough study about the problems and prospects of cashless economy as well as study the various tools of cashless transactions. India is moving towards cashless economy, where people minimize or avoid the use of cash for meeting their periodic financial commitments. The aim of cashless economy is to eliminating black money, enhance government tax compliance and revenues for development, seriously eradicate counterfeit currency and enhance value of money held by the common man. It is in the paramount interest of both Government and citizens to collectively work towards a digitally enabled, cashless economic system as it would bring in transparency, genuine economic growth and eliminate forces threatening national security. As Our Prime Minister has introduced Degital payment system, a decade ago, its important to study the pros and cons of the cashless payment system, so that, problems if any can be eliminated and improvement can be made to get benefitted in the long run.

Keyword: Cashless, critical, digital payment, cashless.

After demonetization Indian economy moving towards the cashless transactions Digitalization of transaction is the best way to move towards cashless economy. Such cashless economy is realizable by promoting electronic money instruments, developing financial infrastructure and spreading digital transaction habits among the people

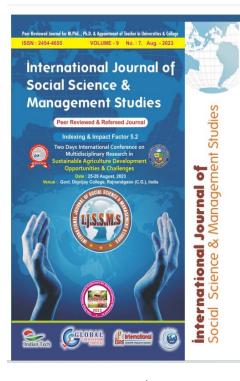
Meaning of Digital Payment System - It is an economic setting in which goods and services are bought and paid for through electronic media. Cashless economy does not

ISSN 0976-0377



Editor In Chief Dr. Balaji Kamble

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Balancing Population and Livelihood is a Challenge for Indian Economy

Dr. M Madhuri Der

Assistant Professor, Commerce, Bhilai Mahila Mahavidyalaya, Chhattisgarh

Introduction > Population growth and natural resources are directly connected and play role in climate disruption and farmers' shiftly to adapt to climate disruption and farmers' shiftly to adapt to climate change especially in developing countries with rapid demographic changes and economies mostly dependent on natural resources. India is a developing Country of good density of population. So, this is one of the challenges of Indian teconomy which has been included in our Five-Year plans. Although Iterature exists on population issues, emphasis was given to positive roles of population growth providing only incomplete picture for stakeholders and policy makers. This constrained climate change adaptation and mitigation strategies, improving food security and attaining sustainable! development goals. Review was done on publications on developing countries. This review was firing forth offers side limit issue of population growth for decision-makers and future research in the context of achieving sustainable development goals of the United Nations for 2013–2013. Therefore, this review was focused to reveal the impacts of population growth on natural resources only.

It has not covered the key issue of farmers' capacity to adapt the climate change in the developing countries. Rapid population growth continues to be a major underlying force of environmental degradation and a threat to environmental degradation and a threat to sustainable use of natural resources. It reduces the quality and quantity of natural resources through overexpoloitation, intensive farming and land fragmentation. Regions with high population pressure face scarcity of arbate land, which leads to shoctsned/removed fallow period, declining soil to shoctsned/removed fallow period, declining soil retility and farm income due to farm subdivision. Low farm income from small farms not only exacerbates food insecurity of farmers but also constrains their ability to adopt certain climate change adaptation technologies. Balanced Regional Development, although a hard task initially, can lead to sustainable Economic

breviopment. Advancements in the Researches of io-Technology can better solve our problem and an balance the livelihoods and population. All takeholders should take swift actions to address hallenges of rapid population growth and after the dynamics between population, natural socurces and climate change and its adaptation.

number of global trends are influencing food courlet, powerty and the overall sustainability of pod and agricultural systems > The world's opulation is espected to grow to almost 3.0 sillion by 3050, boosting agricultural demand income growth in low- and middle-income countries would hasten a dietary transition owards higher consumption of meat, fruits and vegetables, relative to that of cereals, equiring commensurate shifts in output and dding pressure on natural resources.

Economic growth and population dynamics are driving the structural change of economies: The decline in the share of economies: The decline in the share of employment is taking place at different speeds and posse different challenges across regions. Although agricultural investments and technological innovations are boosting productivity, growth of yields has slowed to rates that are too low for comfort. Food losses and waste claim a significant proportion of agricultural output, and reducing them would lessen the need for production increases. However, the needed acceleration in productivity growth is hampered by the degradation of natural resources, the loss of biodiversity, and the spread of transboundary peets and diseases of plants and animals, some of which are becoming resistant to antimicrobials.

Climate change affects disproportionately

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ISSN 2231- 6671 Feb. 2023 To July 2023



Socialization in The Era of Social Media - A Study of Bhilai

Dr. M Madhuri Devi Asst. Professor Dept. of Commerce



Research Paper - Commerce



Introduction:

What is Social media?

The mass media used for the purpose of social interaction is called social media.

Social media are interactive technologies that facilitate the creation and sharing of information, ideas, interests, and other forms of expression through virtual communities and networks.

Socialization: Socialization is an important part of Human life for the wellbeing. Celebration of religious festivals, days of National importance, special occasions are just for the sake of Socialization and interactions for the betterment of human life.

Social Media is playing key role in the society and the perspective of people has entirely changed. People would like to socialize on their own conditions. They like virtual socialization and solitude. The scenario of socialization has been entirely changed in the era of Internet and in the era of Social media Communication.

The introduction of affordable smart phone in addition to data plans have increased the popularity of social networking sites for last few years. People are engaging themselves to social media for communication purpose and find social media easier rather than face to face communication. So, virtual communication has replaced face to face communication.

Socialization is the means of exchange of information and the psychological well being of all

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Dr. Nidhi Monika Sharma



Swadeshi Research Foundation A Monthly Journal of Multidiscipilinary Research International Peer Reviewed, Refereed, Indexing & Impact Factor - 3.2, Es-UGC S.N. 4990 ISSN 2-2194-2590, Vol. - 9, Mo. - 12, Oct. - 2022, Conference Special Issues

Impact of Covid-19 on Digital Marketing in India

Nisha Deshlehre Vidya Deep Public School Kumhari, Balai District, Durg, Chhartisga Dr. Nishi Monika Sharma Shilai Mahlia Mahavidyalaya, Bhilai, Durg, Chhartisgarh

Billal Mahila Mahila Mahavidyali aphilosophy are narry unknown. The male objective of this paper is to provide a prime investigation on how Covid-19 pandemic can affect the developments of marketing, it also alms to-provide more knowledge on how marketing philosophy are changing due to the pandemic. By following a qualitative research method, this paper outlines how marketing could be affected by this pandemic. CoVid-19 changes the priority of human beings in the whole world. People are more careful with their health. This crisis changes the life society, economically. People are living alone for following the social distancing, in this scenario digital marketing is playing important role for the society. Without going physically, anyone can buy any leam, pay bill, transfer morey, and compare items through digital marketing. After Covid-15, people will more conscious with safety. Cove-15, people will more conscious with safety, trust. This paper will focus those factors, which will play important role for the society and organization, in other words, scope of digital marketing will increase and organizations will also face some challenges. The global pandemic of Covid-19 while having its impact on various sectors had a considerable impact on Digital Marketing and Advertising as well, in global, regional and locallevel. However, this impact for most part was a positive one, rather than what was being witnessed in various other fields such as economy, human resource, etc., the behavioural shift was predominantly towards digital platforms and digital content, which created two apportunities for the marketes and brands to connect with the customers digitally more than ever before. This paper is made with an attempt to highlight, analyze and understand the impact of covid-19 pandemic on digital marketing and advertising as a whole.

Introduction > Digital marketing in India is spread to aimost all the sector ex: shopping and order tracking, online payment, banking and content reacting, online payment, banking and content reacting that utilizes internet and digital technologies such as Computers, Mobile phones, Websites, Social Media platforms, Application Software, e-mail and other platforms to promote products and services. The development of Digital Marketing in the 1990's and 2000's changed the way brands and marketers use technology for implementing marketing plans and strategies, in recent times, Digital Marketing have become more prevalent, employing combination of Content Marketing, Micro Video Marketing (M.V.M.), Search Engine Optimization (S.E.O), Search Engine Marketing (S.E.M.), Social Media Marketing (S.M.M.), influences Marketing, Con digital marketing Online video

Marketing (S.M.M), Influencers Marketing.
On digital marketing Online video conference software Zoom reports a 78% growth in profits, and Google Meet reports an approximately 60% increase in user traffics, where people spend 2 billion minutes in online meetings every day. The digital marketing in India report by the International journal of Advanced Research Foundation.

Advertising were growing at a steady pace, the outbreak of Covid-19 gave it an unexpected boost, by making the people locked down at home with less or no work hand and influencing a fast paced behavior shift towards digital platforms, digital media, and digital receivers.

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International Journal of Social Science & **Management Studies** Peer Reviewed & Refereed Journal

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Hospital Sector, Bhilai, Burg (C.G.)

Dr. Alpana Sharma:

First Impression: 2024

International Conference on Computer Engineering and AI Applications (ICCEAI-24)

ISBN: 978-81-976500-3-1



Editors : Prof. Dorota Jelonek

Dr. Vemula Venkata Sunil Kumar, Professor in CSE

Dr. PVR Rajeswari Prof. Magdalena Rzemieniak Prof Mamta Chahar

Conference jointly organized by

Department of Computer Science & Engineering, CSE-AI, CSE-IoT and AI & ML

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M.Bhagyalaxmi

Global Journal of Pure and Applied Mathematics. ISSN 0973-1768 Volume 19, Number 2 (2023), pp. 271-279 © Research India Publications http://www.ripublication.com/gjpam.htm

On Connection of Fuzzy Entropy Like Functional with Generalized Fuzzy Values and Similarity Measures

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In this work, we looked into how entropy and similarity measurements relate in this work, we sets. We noted that the fuzzy entropy is equal to the separation between the fuzzy set and the corresponding crisp set. We also use illustrative examples to demonstrate and discuss the properties of the fuzzy values and similarity measure. It is demonstrated that some features hold for some measures but not for others, and that some properties are shared by all measures. Last but not least, we developed a measure of similarity from and demonstrated using a straightforward example that the maximum similarity measure of the statement of the straightforward example that the maximum similarity measure of the statement when the straightforward example that the maximum similarity measure can be attained using a minimum entropy formulation. measure can be attained using a minimum entropy formulation.

Keywords: Fuzzy values, similarity measures, distance measure, crisp set

Introduction:

The definitions of closeness measure and roughly equal fuzzy sets as well as the idea of approximating fuzzy values have all been introduced in [2]. a similarity index based on the greatest difference between equivalent membership grades, was implied, along

25 25 Strategies and Best Practices for Change Management in Business Processes Processes Processes Assistant Professor, Department of Commerce Bhilai Mahila Mahavidyalaya, Bhilai, C.G. India sharmaplana34569 gamil com Dr. Alexan Sharmaplana34569 gamil com Dr. Aran Kam Pahauli Professor & Dean School of Management Studies Badds University of Emerging Sciences and Technology, Baddi, Himachal Prodesh, India painoi, annakantil yahon, o.o.in Dr. Bhadrupya Baruknya Professor and HOD, Department of MIA, Lingual Aypu Engineering College Bidar-585403, Kamataka, India Dr. Bhadrupya Baruknya Depaily Dean Fuculty of Management Sciences, Durban University of Technology South Africa melaniel@ddata.acanfords: Oool 0002-4288-8277 Coll B. S. Rao School of Business, Sk University, Warangal, Telangana geochamandaran 1988 genal com Shadoun Fukad University of Technology, Bahrain s.fatad@uto.edu.bh Strategies and Best Practices for Change Management in Business

Abstract

Abstract
Businesses must manage change in their business aperations if they are to respond to changing consumer needs, market
Businesses must manage change in their business aperations if they are to respond to changing consumer needs, market
Businesses must manage change in the context of business process transformation and improvements, this study
supports successful change management strategies and best practices. Using a mixed-method approach that black
quantitative analysis and qualitative case studies, this study investigates effective change management programs. It
seeks to pispoint the crucial tractices that facilitate effective change in company procedures, such as leadership, employe
empowerment, communication, and stakeholder engagement. The study provides useful information to help businesses
better manage the challenges of process change and become more adaptable in the fast-paced commercial world of
today. The business process was widely addressed and carned out in many different kinds of companies worldwide.
This paper examines the best strategies and practices for the wider notion of business process change management, but
investigation used a quantitative descriptive survey methodology to scientifically explain the winessed change
120 mining business staff and other parties, 154 have been elected at random using startified sampling to form the
business, support section, and business layout categories. The facilings demonstrate an outstanding uniformity in the
significance of change management proclems such as strategy, shift, ade practices. Furthermore, the concept of conformity in the
significance of change management proclems under a strategy shift, and practices. Furthermore, the concept of conformity in the
significance of change management proclems under a strategy shift, and practices. Furthermore, the concept of conditions
that and the parties of the process change appears to be gaining traction. The research lays the groundwork to determine important factors that can be
investigated to

11. Introduction

For organizations to be competitive and relevant in a world where change is constant, they need to be flexible and agile. Efficiently executing changes in business processes is one of the biggest problems that firms have. Change management is essential to the success of any effort, whether in the process optimization, digital transformation, or restructuring in business operations, change management refers to a methodical methodology that moves teams, people, and the organization as a whole from one state to another. This is a complicated process that requires strategic planning, has many playors, and may encounter resistance. It is crucial to comprehend and put into practice successful methods and best practices as a result.



Journal of Advances in Mathematics and Computer Science

Volume 39, Issue 5, Page 44-50, 2024; Article no.JAMCS.115410 ISSN: 2456-9968 i-9968 British Journal of Mathematics & Computer Science, Past ISSN: 2231-0851)

for Quantitative Information Measures

Uniform Estimates on Length of Programs and Computing Algorithmic Complexities

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This work was carried out in collaboration between both authors. Both authors read and approved the final

DOI: 10.9734/JAMCS/2024/v39i51889

Original Research Article

Accepted: 08/04/2024 Published: 12/04/2024

Shannon entropy and Kolmogorov complexity are two conceptually distinct information metrics since the latter is based on probability distributions while the former is based on program size. All recursive probability distributions, however, are known to have an expected Up to a constant that solely depends on the distribution, the Kolmogorov complexity value is equal to its Shannon entropy. We investigate if a comparable correlation exists between Renyi and Havrda-Charvat Entropy entropies order a, indicating that it is consistent solely with Renyi and Havrda-Charvat Entropy entropies order a, indicating that it is consistent solely with Renyi and Havrda-Charvat Entropy entropies order a, indicating that it is consistent solely with Renyi and Havrda-Charvat Entropy entropies order a, indicating that it is consistent solely with Renyi and Havrda-Charvat Entropy entropies order a, indicating that it is consistent solely with Renyi and Havrda-Charvat Entropy entropies order a, indicating that it is consistent solely with Renyi and Havrda-Charvat Entropy entropies order a, indicating that it is consistent solely with Renyi and Havrda-Charvat Entropy entropies order a, indicating that it is consistent solely with Renyi and Havrda-Charvat Entropy entropies order a, indicating that it is consistent solely with Renyi and Havrda-Charvat Entropy entropies order a, indicating that it is consistent solely with Renyi and Havrda-Charvat Entropy entropies order a, indicating that it is consistent solely with Renyi and Havrda-Charvat Entropy entropies order a, indicating that it is consistent solely with Renyi and Havrda-Charvat Entropy entropies order a, indicating that it is consistent solely with Renyi and Havrda-Charvat Entropy entropies order a, indicating that entropies order a, indicating that expects of the entropies order a, indicating that entropies order a, indicating that expects of the entropies order a, indicating that expects of the entropies order a, indicating that expects of the entropies order a, indicating t

J. Adv. Math. Com. Sci., vol. 39, no. 5, pp. 44-50, 2024

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Eco. Env. & Cons. 29 (July Special Issue) : 2023; pp. (S106-S109) Copyright@ EM International ISSN 0971–765X

Histopathological Impact of Silver Nanoparticles: A Review

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Introduction

The term nanoparticle is a combination of the words hancost (Greek: dwarf) and iparticulumi (Latin: particle). In scientific context hancost normally refers to magnitude of 10° meters. Nanoparticles can be traditionally defined as particles whose at least one dimension is in range of 1-100 nm. But sometimes nanoparticles can exceed the size of 100 nanometer up to 1000 nm. Nanoparticles are dealt in a multi-disciplinary field i.e. nanotechnology and it was first well famous lecture "there is plenty of room at the bottom" that is why he is also called father of Nanotechnology. Nanoparticles can synonymously be called Nano crystals or nanomaterials.

The human made nanoparticles can be categorized into- Non-metallic inorganic NPs- TiO₂, SiO₂, ZNO, CaO; Carbon based NPs- Carbon narotubes (CNTs), Fullerense set; Quantum dost- Carbon Telluride, Cadmium selenide; Quantum dost free of Cadmium; Nano polymers and dendrimers anotubes Nano rods, Nano cellulose etc.

Since past few decades there have been a Nano Polymer in the side of NPs in nany fields is due to the uniqueness of properties that is not shown by bulk material (Auffan et al., 2009).

Silver has been used since ages in human history primarily due to its metallic lustre and antimicrobial property. It exhibits remarkably unusual physical properties from its bulk material e.g. more active

surface area, better porosity (Alt et al., 2004), agglomeration tendency (Wei et al., 2015), surface enhanced Raman scattering, chemical stability, thermal and electrical conductivity (Capek, 2004). AgNPs have also a very special property i.e. its evicilent antimicrobial activity that can be due to the release of Ag that can cause harm to DNA (Feng Q. et al., 2008). These ions also interact with the thiol groups of some essential enzymes and destroy them (Matsumara et al., 2003).

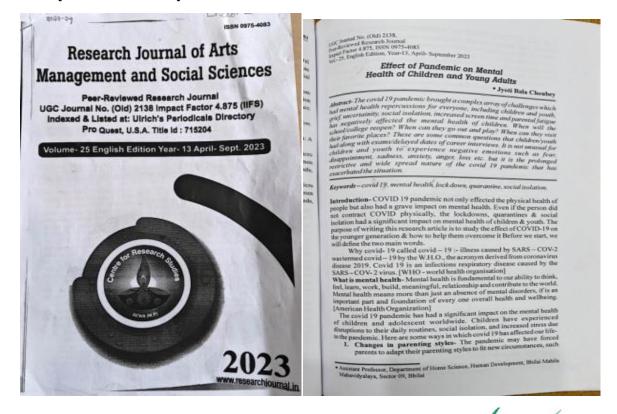
Many techniques are present for AgNP synthesis e.g., physical methods, chemical, electrochemical methods, microwave assisted methods (Horikoshi S. et al., 2013). These methods are expensive or use toxic substances hence these are 'not so favored' methods. A more economic and eco friendly method is the biological method also called the green synthesis. In this method, many living organisms can be employed e.g. variety of microorganisms like bacteria, fung, plants and animals e.g. Spirulina (Mohdieh et al., 2012), Aspergillus niger, Fusarium (AgNP synthesis (Kaskahle et al., 2015), Animal blood can also be a potential source for AgNP synthesis are Neem (Namratha and Monica, 2013). Alco vera (Logaranjan et al., 2006) and many more.

Applications of AgNPs

Left the pathogenic activity this particle is also used in different felides such as in Catheters (Wut et al.

Applications of AgNTs
Left the pathogenic activity this particle is also used
in different fields such as in Catheters (Wu et al.,
2015), in Cardiovascular impliants (Shaveross et al.,
2017), Face mask (Li et al., 2006), Wound dressings
(Kalantari et al., 2020), in Textlies (Radetic, 2012),
Water treatment (Namratha and Monica, 2013), in

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BUMSH Vol 14 houre 12 [Year 2023] ISSN 2277 - 9929 (Online) 2348-9359 (Print)

ciation between Chronological and Metabolic Age and its impact on **Health and Fitness**

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Abstract
5 Famale miljors of Bhilai Township between the age group of 18 to 23 years were selected for the sindy. Their Metabolic Age, Body Fri and Monde Mans was calculated using Biocelectrical Impedance Analysis. This study is an arrange to find out the relationship between Chronological Age and Metabolic Age.

Metabolic Age denotes how mistry calorities overlogs burns at rest compared to people of our age. Bigher Metabolic Age in monitoring with development of Metabolic Syndrome.

Our study revealed that mean Metabolic Age of female subjects was 5.9 years higher than their mean Chronological Age.

Key words-Metabolic Age, Metabelic Syndrome, BIA

Key words Metabolic Age, Metabolic Syndrome, BLA Introduction.

Metabolic: Age denotes have insury calcetes out body burns at rest, Basal Metabolic Rate in minimum matuber of cubries required by the body to fination at rest. About 60% to 17% of the olicitories are burnt when we are dongs in physical activity.

Metabolic: Age is calculated by comparing Basal Metabolic Rate to the Chromological Age. It is a new word in the field of Holdrit and Fitzees. It is a comparison between Basal Metabolic Age with the structural Basal Metabolic Rate of the owner age group. Basal Metabolic Rate of the owner age group. Basal Metabolic Rate denotes our between Basal Metabolic Rate is a sociocated with generated the Gabatese and Institute Resistence. Loss. Basal Metabolic Rate is a risk institute for discrepancy of fundamental metabolic Rate and Superior Resistance and Type 2 Disabetes (BMO Open Biolateles Res and Care § (1)) 601-181.

According to Minima TM every 10 years Basal Metabolic Rate of generate and open substitute to the substitute of the substit

restates overcognizate of Stockholm Ayracome.

If Metabolic Age is lower than Chronological Age, it denotes that the person is in a state of better
health and body shape. If Metabolic Age is mere than the Chronological Age, it denotes health
problems. Knowledge of Metabolic Age can help in to before our calorie consumption, activity evel, Fat Mass and Lean Mass.

Chronological Age is the age by calender yours where as Metabolic Age depends on metabolism and overall chemical process of the body

International Research Journal of Management Sociology & Humanity (IRQMSH) Page 328 increaligingly.com

International Journal of Applied Home Science
On International Double Blad Peer Reviewed / Referred Research Jon
Volume 10 (7 & 8), July & August (2023): 132-136
Received: (3) 65 2023 Review 15 06 3031.

Study of Relationship between Body Percentage in Female

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ABSTRACT

INTRODUCTION

Obesity is defined as Body Mass Index (BIMI) of 30 kg/m³ or above. According to World Health Degasization (WHO) 50% of Adult population worldwide is expected to be Obese by 2030 (http://www.wb.nim.media.centro/factsbeets, fs.31 /10%/2018).

Our Body Weight consists of Lean Mass and Fort of the Company of t

Fibro Scan Score and its Association with Various Stages of Non-Alcoholic Fatty Liver Disease

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ABSTRACT

How to cite this Articles Yadas, Chitzugias, Yadas, Rapsus Apect and Dubey, Bebia (2024). Files Scan Score and in Association with Various Stages of Non-Norhelic Futty Liver Disease, Instrust. J. Appl. Howe Sec., 11 (1 & 2): 16-19.

International Journal of Applied Home Science RESEARCH PAPER
The International Journal of Applied Home Science International Security of Technology (Security 1997) (1997)

To Study the Effect of Anemia on Premenopausal Women

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