

**GOVERNMENT DEGREE COLLEGE FOR WOMEN,
BEGUMPET
HYDERABAD-500016**

(Autonomous – Affiliated to Osmania University)

**SCREEN SHOTS
OF
ARTICLES/JOURNALS' FIRST PAGE**

2020-21

3.4.3 RP 135

The screenshot shows a web browser window with the URL ijsrset.com/IJSRSET207474. The website header features the IJSRSET logo, the journal title "International Journal of Scientific Research in Science, Engineering and Technology", and ISSN information: "Online ISSN : 2394-4099 | Print ISSN : 2395-1990 UGC Journal No : 47147". Navigation links include HOME, ABOUT US, FOR AUTHORS, BROWSE ARCHIVE (highlighted), EDITORIAL BOARD, and CONTACT US. A search bar is located in the top right.

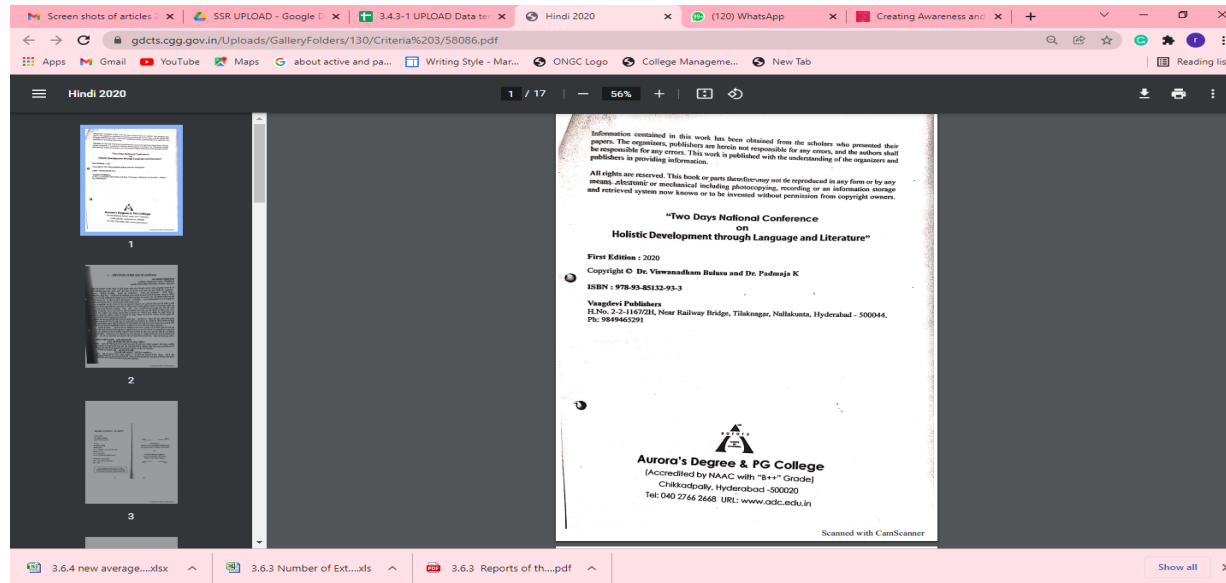
The main content area has a dark header with "Home / Archive" and "Manuscript Number : IJSRSET207474". Below this, there is a section for "Important Links" with a list of options: "Submit Online Manuscript", "Paper Template", "Copyright Form", and "IJSRSET Xplore". To the right, the article title "Ethno-Botanical Studies of Edible Plants Used by Tribal Women of Nirmal District" is displayed with a green refresh icon. Below the title, the authors are listed as "Authors(2) :-N. Ramakrishna, DSR Rajender Singh".

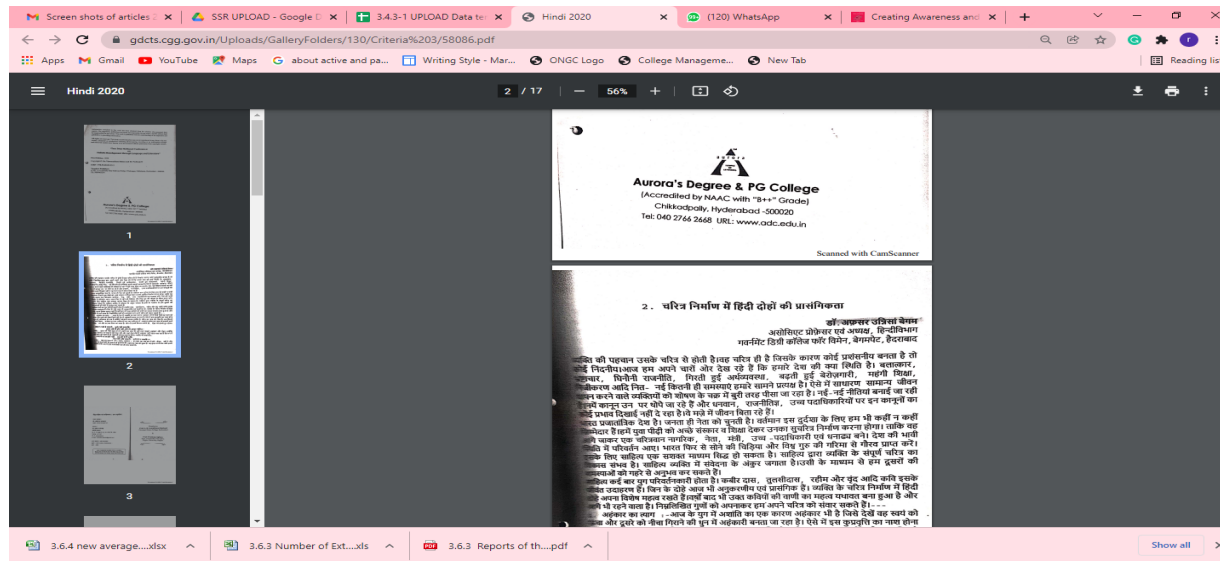
A navigation bar below the authors allows switching between sections: Abstract (selected), Authors, Keywords, References, and Details. The "Abstract" section contains the following text:

The Tribal community in India already had the knowledge of the protienious food which is discovered by the world in recent times. These food materials rich in nutritional value has already been a part of their diet and hence is much stronger than the present generation. The present study is conducted in tribal area of Nirtmal District, Telangana State in year 2016 to 2018 focusing mainly on the tribal of Gondi, Kolams, Naikpods, Pardhna community. 19 Edible plants from 14 different families were identified from the study location.

At the bottom, the Windows taskbar shows three open files: "3.6.4 new average...xlsx", "3.6.3 Number of Ext...xls", and "3.6.3 Reports of th...pdf". A "Show all" button is visible in the bottom right corner of the taskbar.

3.4.3 RP 136





3.4.3 RP 137

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बौद्ध साहित्य एवं साहित्यकार : एक अनुशीलन

प्रधान संपादक :
डॉ. अविनाथ जायसवाल
ISBN : 978-81-943387-2-7

प्रकाशन :
डॉ. सार्धनाथ सोटनक्के
संबंधी प्रकाशन
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महाराष्ट्र - 431 807
मो. नं. 9550258826
E-mail : sontakke.sainath@gmail.com

प्रथम संस्करण : 28-02-2020
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मूल्य : 280

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Principal, Nizam Collage, Hyderabad

&

Prof. Pradeep Aglave
Dept. of Ambedkar Thoughts,
Nagpur University, Nagpur

पुस्तक में संग्रहित सैत्रों से संबंधित सभी तथ्य, वाद-विवाद, विचार के संबंध में आलेख के लेखक और लेखिका स्वयं उत्तरदायी हैं, इसके लिए प्रकाशक, प्रधान संपादक, संपादक मंडल जिम्मेदार नहीं।

3.6.4 new average....xlsx | 3.6.3 Number of Ext....xls | 3.6.3 Reports of th....pdf | Show all x

3.4.3 RP 138

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मूल्य : 300 रु

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डॉ० फ़ैयाज़ अहमद

संस्करण : 2020

ISBN No : 978-81-942453-5-3

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Ameer Khusrau Ka Sahityik-Sanskritik Awadaan

3.6.4 new average....xlsx 3.6.3 Number of Ext....xls 3.6.3 Reports of th....pdf Show all

3.4.3 RP 139

The screenshot shows a web browser displaying a PDF document. The browser's address bar shows the URL: gdcts.cgg.gov.in/Uploads/GalleryFolders/130/Criteria%203/58094.pdf. The PDF viewer interface includes a sidebar on the left with a thumbnail of the document and page numbers 1, 2, and 3. The main content area displays the following text:

International Journal of Current Research in Multidisciplinary (IJCRM) ISSN: 2456-0979
Vol. 5, No. 6, (June'20), pp. 01-05

PREDICTION OF STUDENT ACADEMIC PERFORMANCE USING CLUSTERING

Dr. G. Rajitha Devi
Asst. Prof. in computer science, Government Degree college, Hayathnagar

ABSTRACT:
One of the significant facts in higher learning institution is the explosive growth of educational data. These data are increasing rapidly without any benefit to the management. The main objective of any higher educational institution is to improve the quality of managerial decisions and to impart quality education. Predicting successful and unsuccessful students at an early stage of the degree program help academia not only to concentrate more on the bright students but also to apply more efforts in developing programs for the weaker ones in order to improve their progress while attempting to a void student dropouts. The aim of this study is to apply the k-means clustering technique to analyze the relationships between students behavioral and their success and to develop the model of student performance predictors. The results of this study reported a model of student academic performance predictors by employing psychometric factors as variables predictors.

Keywords: DM, Student Academic Performance, Clustering-means.

INTRODUCTION
To identify potential drop outs of the institute's graduate program is a complex process mostly due to the fact that students coming from different backgrounds have certain characteristics as well as perceptions and apprehensions of the environment of the university. Students' failure to integrate and acquire good marks are considered to be one of the main factors but many researchers have also suggested that there are various other factors that may affect students

The bottom of the screenshot shows a Windows taskbar with three open applications: '3.6.4 new average....xlsx', '3.6.3 Number of Ext....xlsx', and '3.6.3 Reports of th...pdf'. A 'Show all' button is visible on the right side of the taskbar.

Dr. G. Rajitha devi is presently working Govt degree College for Women, Begumpet.

3.4.3 RP 140

The screenshot shows a web browser window with multiple tabs. The active tab is a Google Drive document viewer for a PDF file named 'BSTORCS 258-261.pdf'. The document content is as follows:

National Conference on Brain Storming in Computer Science (BSTORCS-2020)

Cyber Security: Applications in Digital World

Dr.G. Rajitha Devi
Asst.Prof. in Computer Science
Email:rajithareddygurram@gmail.com

Abstract:

Cyber Security is the approach that deals with safe guarding confidential data, computer networks, computer system and software operations from cyber-attacks. A cyber-attack can be described as an atrocious operation which points out the networks of the computer, frameworks of the computer networks and information. This utilizes miscellaneous methods to loot and modify information systems. Cyber security is one of the prominent fields in computer applications like military, medical, financial and also in government and corporate. Cyber Security provides security for the users. In this article, we will discuss some of the cyber security attacks.

Keywords: Cyber-attacks, Digital services, Information warfare, Nuclear power.

INTRODUCTION:

There are multiple layers of protection in an outstanding cyber security approach that has scattered across the programs, networks, computers, or data that one plan to secure. In a composition, the technology, people and processes all must accompany one another to set up a powerful defence from cyber-attacks. Indian digital services firm subex reported in EWS18 on August 10, 2019 that India was one among the most attacked nations in IOT space and it recorded a 22 percent attack on IOT deployments in our country. Transportation sectors, financial services and smart cities force the sectoral ranking in the order of attacks said the "State of internet of Things". The study by Bangalore-headquartered telecom solutions revealed that among 15 Indian cities from which data was collected; Bengaluru, Mumbai and New Delhi are inviting the maximum number of cyber-attacks. In this article types of attacks were discussed. In this fast-growing computer age, where our lives cannot be imagined without our electronic devices to perform almost every task in routine life, the security of the information stored in these devices is dubious. The only way to safeguard our private and personal information is by taking proper measures against cybercrime. The top key cyber threats are:

- 1."Companies in the crosshairs of information warfare
2. IoT devices broaden state espionage operations
3. The weaponization of AI
4. Deep fakes in the wild- AI in information warfare.

The browser's taskbar at the bottom shows three open documents: '3.6.4 new average...xlsx', '3.6.3 Number of Ext...xlsx', and '3.6.3 Reports of th...pdf'. The active document is the PDF being viewed.

3.4.3 RP 141

The screenshot shows a web browser window with multiple tabs. The active tab is 'https://gdcts.cgg.gov.in'. The address bar shows 'Not secure | journal.julypress.com/index.php/ajsss/article/view/847'. The browser's taskbar at the bottom shows several open files: '3.6.4 new average....xlsx', '3.6.3 Number of Ext....xls', and '3.6.3 Reports of th....pdf'. A 'Show all' button is visible on the right side of the taskbar.

JULY PRESS™ Asian Journal of Social Science Studies

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Home > Vol 5, No 4 (2020) > Kamala

Policy and Programme Effect of COVID-19 on Economy in India

K. Kamala

Abstract

The outbreak of COVID-19 brought social and economic life to a standstill. In this study the focus is on assessing the impact on affected sectors, such as aviation, tourism, retail, capital markets, MSMEs, and oil. International and internal mobility is restricted, and the revenues generated by travel and tourism, which contributes 9.2% of the GDP, will take a major toll on the GDP growth rate. Aviation revenues will come down by USD 1.56 billion. Oil has plummeted to 18-year low of \$ 22 per barrel in March, and Foreign Portfolio Investors (FPIs) have withdrawn huge amounts from India, about USD 571.4 million. While lower oil prices will shrink the current account deficit, reverse capital flows will expand it. Rupee is continuously depreciating. MSMEs will undergo a severe cash crunch. The crisis witnessed a horrifying mass exodus of such floating population of migrants on foot, amidst countrywide lockdown. Their worries primarily were loss of job, daily ration, and absence of a social security net. India must rethink on her development paradigm and make it more inclusive. COVID 19 has also provided some unique opportunities to India. There is an opportunity to participate in global supply chains, multinationals are losing trust in China. To 'Make in India', some reforms are needed, labour reforms being one of them.

Full Text:
[PDF](#)

DOI: <https://doi.org/10.20849/ajsss.v5i4.847>

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3.4.3 RP 142

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Quality And Research In Higher Education

Book Code: 1111016994937

Edited by Dr. Gedam Kamalakar

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Pages: 513
ISBN 13: 9789353242305
ISBN 10: 9353242304
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ADD TO CART

ABOUT THE BOOK:- For strengthening of research culture in Indian higher education requires multipronged activities beginning with a bottom-up than a top-down, "one-size fits- all" approach to introduce a culture of research which is anchored in robust classroom pedagogy and curricula designed to arouse intellectual curiosity and its appropriate channelization and imparting of research tools and techniques to ensure quality and to ensure interaction with colleges and universities/national institutions by sharing resources, equipment and laboratory facilities and Exchange of faculty across these institutions. Higher education sector has in recent years been attracting increasing attention, largely due to its contribution to improving productivity, increasing economic growth, and enhancing innovation and technological capability. The evolution of economic purposes of higher education has been the single most important development in the education sector in the 21st century, and it resulted in enormous expansion of higher education in countries around

3.6.4 new average....xlsx | 3.6.3 Number of Ext....xls | 3.6.3 Reports of th....pdf | Show all

3.4.3 RP 143

The screenshot shows a web browser window with several tabs open. The active tab is 'Quality And Research In Higher Education'. The address bar shows the URL: gyanbooks.com/index.php?p=sr&format=fullpage&Field=bookcode&String=1111016994937&Book=Quality%20and%20Research%20in%20Higher%20Education. The browser's navigation bar includes 'About Us', 'New Releases', 'Bestsellers', 'Forthcoming', 'For Authors', 'Make Payment', and 'Contact Us'. The main content area features a book cover for 'Quality and Research in Higher Education' edited by Dr. Gedam Kamalakar. The cover art includes a person at a laptop, a graduation cap, and various data charts. To the right of the cover, the book title is displayed in a large blue font, followed by the book code '1111016994937' and the editor's name. A red text line states 'All Prices are including Free shipping via Air-Mail'. Below this, a table lists the book's details: 'Hardbound', 'Pages: 513', 'ISBN 13: 9789353242305', 'ISBN 10: 9353242304', and 'Your Price: INR 1950.00'. A blue 'ADD TO CART' button with a shopping cart icon is positioned below the price. A paragraph of text describes the book's focus on research culture in Indian higher education. At the bottom of the browser window, a taskbar shows three open files: '3.6.4 new average....xlsx', '3.6.3 Number of Ext....xls', and '3.6.3 Reports of th....pdf', along with a 'Show all' button.

Screen shots of articles 2016-20 x Comp science articles - Google x 3.4.3-1 UPLOAD Data template x Quality And Research In Higher x (120) WhatsApp x

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Book Code: 1111016994937

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3.6.4 new average....xlsx 3.6.3 Number of Ext....xls 3.6.3 Reports of th....pdf Show all X

This book Contains article s.no of 142 and 143

3.4.3 RP 145

వభిత్వ దినీ కళాశాల
సాహిత్యం, సంస్కృతి, జ్ఞానం, ఆధునికత.

**భారతీయ సాహిత్యం -
చతుర్విధ పురుషారాలు**

Journal of Library, Culture & Language Studies
Vol. 17, Issue 02 - Spl. Edition - February 2020 - ISSN No. : 2456-4702

భారతీయ సాహిత్యం -
చతుర్విధ పురుషారాలు

అంకిత్యాలకు సమర్పణ
తే: 02-02-2020

ప్రకాశకుడు - ప్రొఫెసర్, సాహిత్యం, జ్ఞానం, ఆధునికత, సంస్కృతి, జ్ఞానం, ఆధునికత.

డా. వీ. వేణకటేశ
ఇన్‌చార్జ్, రిజర్వ్ సెక్షన్,
ప్రభుత్వ జ్ఞాన, సాహిత్యం,
సంస్కృతి, జ్ఞానం.

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3.4.3 RP 146

The screenshot shows a web browser window with the URL wjpps.com/Wjpps_controller/abstract_id/13638. The website header features the journal's logo, name, ISSN (2278-4357), Impact Factor (7.632), and ICV (84.65). It also displays the date (WED, JAN 19 2022 | 3:11:58 PM) and options for Login and Register. A navigation menu includes links for HOME, ABOUT US, INSTRUCTION TO AUTHOR, CURRENT ISSUE, MANUSCRIPT SUBMISSION, TRACK YOUR ARTICLE, ARCHIVE, PROCESSING FEES, and CONTACT US. The main content area is divided into a left sidebar with sections for Photo Gallery, Login, and Search, and a main article section. The article title is "IN VITRO ANTIMICROBIAL ACTIVITY OF LEAF EXTRACT OF AEGLE MARMELOS" by Annem Srinivas Reddy* and Sneha Rajendran. The abstract text describes the study's aim to investigate the antimicrobial activity of Aegle marmelos leaf extract against various bacterial and fungal species using the disc diffusion method. The results show that the methanol leaf extract has a higher inhibitory activity compared to the aqueous leaf extract, and this activity is dose-dependent. The article is followed by a section for the full text and a list of keywords: Antimicrobial activity, Aegle marmelos, Disc diffusion method, Inhibition zone.

WORLD JOURNAL OF PHARMACY AND PHARMACEUTICAL SCIENCES
(An ISO 9001:2015 Certified International Journal)
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Abstract

IN VITRO ANTIMICROBIAL ACTIVITY OF LEAF EXTRACT OF AEGLE MARMELOS
Annem Srinivas Reddy* and Sneha Rajendran

ABSTRACT
The present study was carried out to investigate the in vitro antimicrobial activity of aqueous and methanol leaf extract of Aegle marmelos against 3 bacterial species viz., Staphylococcus aureus, Pseudomonas aeruginosa, Escherichia coli and one fungal species Candida albicans. Antibacterial assay was performed by disc diffusion method. The zones of inhibition was found to be between 7 mm to 14 mm at 50 mg/mL, 75 mg/mL, 100 mg/mL leaf extract concentrations. Methanol leaf extract showed potential inhibitory activity compared to aqueous leaf extract. The inhibitory activity was dose dependent.

Keywords: Antimicrobial activity, Aegle marmelos, Disc diffusion method, Inhibition zone.

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3.4.3 RP 147



WORLD JOURNAL OF PHARMACY AND PHARMACEUTICAL SCIENCES

(An ISO 9001:2015 Certified International Journal)

An International Peer Reviewed Journal for Pharmaceutical and Medical Research and Technology

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Impact Factor : 7.632
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Abstract

ANTIMICROBIAL ACTIVITY OF LEAF EXTRACT OF CLEOME VISCOSA LINN.

Sneha Rajendran* and Annem Srinivas Reddy

ABSTRACT

The present study was carried out to evaluate the antimicrobial activity of aqueous and methanol leaf extract of Cleome viscosa. The methanol and aqueous leaf extract of Cleome viscosa was screened against 3 bacterial species viz., Staphylococcus aureus, Pseudomonas aeruginosa, Escherichia coli and one fungal species Candida albicans. The zones of inhibition was found to be between 7 mm to 14 mm at 50 mg/mL, 75 mg/mL, 100 mg/mL leaf extract concentrations. Methanol leaf extract showed maximum inhibitory activity compared to aqueous extract. The inhibition was dose dependent.

Keywords: Antimicrobial activity, Cleome viscosa, Inhibition zone, Disc diffusion method.

[\[Full Text Article\]](#)

3.4.3 RP 148

English Language Teaching Modern Techno Techniques
Indexed: ICL, Google Scholar, Research Gate, Academia.edu, IBI, IIFC, DRJI

 IMPACT FACTOR – 5.61 **LangLit** ISSN 2349-5189 

An International Peer-Reviewed Open Access Journal

UTILITY OF TECHNOLOGY AND ITS FAIR SHARE IN TEACHING ENGLISH LANGUAGE

Dr. Soundarya Joseph
Project Officer, RUSA
Asst. Professor of English
Government Degree College for Women
Begumpet
Hyderabad

ABSTRACT

Electronic devices assist language learners to gain language skills. Many innovative technological gadgets and apps are emerged in the market. They play an important role in language learning. English teachers take the help of technology to teach functional English to their students in this pandemic time. Since technology provides language skills and creates awareness of jobs, the learners endeavor to look at the modern technology besides attending the traditional and conventional classes. The present paper tries to focus on the use of technology in English language teaching. It provides the benefits and demerits of technology in English classrooms and attempts to give the use and misuse of technology in teaching and learning process.

Keywords: Technology, English language, learners, CALL, Mobile apps

English is used as a connecting language in the world and used as a second language in many counties. Since English is an international, link, library, and business language, it becomes a major subject in bread earning process. Students and common people like to use English to get a good job and also to get more preference in the society and so there are so many changes in English language teaching. Grammar translation method and direct method are

3.4.3 RP 149



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Synthesis and characterization of Ni doped SnO₂ nanoparticles by sol-gel method for novel applications

P. Srinivasa Subbarao ^a, Y. Aparna ^b, Kanchana Latha Chitturi ^c

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Abstract

In the recent decades, people use the sensor technology in so many applications. So there is need of development and production of sensor materials for sensors. It requires an easiest way of material production and less processing time. In the present study Ni doped SnO₂ particles were synthesized by a simple sol-gel method. Sol-gel method is a simple method and it is very easy to fabricate SnO₂ high quality films. The synthesized Ni doped SnO₂ nanoparticles were characterized by studying their structure with XRD and composition with Energy Dispersive X-Ray (EDS) analysis. The size of the particle is estimated using particle size analyzer and transmission Electron Microscope (TEM). The optical studies were carried out by Uv-Vis spectrometer. Vibrational analysis was done with Raman spectroscopy and FTIR studies. Morphology Studies done with Scanning electron microscope (SEM). Average Crystallite size is range from 6 to 9 nm and has the Wt % of Ni is nearly stoichiometric.. The results will be discussed in detail as follows.

3.4.3 RP 150

The screenshot shows the Elsevier website for the journal "Materials Today: Proceedings". The browser's address bar shows the URL "journals.elsevier.com/materials-today-proceedings". The page features the Elsevier logo, navigation links for "About Elsevier", "Products & Solutions", "Services", and "Shop & Discover", and a search bar. The main content area includes a breadcrumb trail "Home > Journals > Materials Today: Proceedings", a journal cover image, the ISSN "2214-7853", and a description: "Materials Today: Proceedings provides the materials science community with a fast and flexible route to the publication of research presented at national and international scientific conferences in the field of materials science." Below this, there are four metrics: CiteScore (1.8), CiteScore Tracker (2.3), Top Readership (CN, IN, US), and Review Time (8.3 weeks). A "Submit your paper" button is prominently displayed, along with a "View articles" button. The bottom of the page shows a Windows taskbar with several open files.

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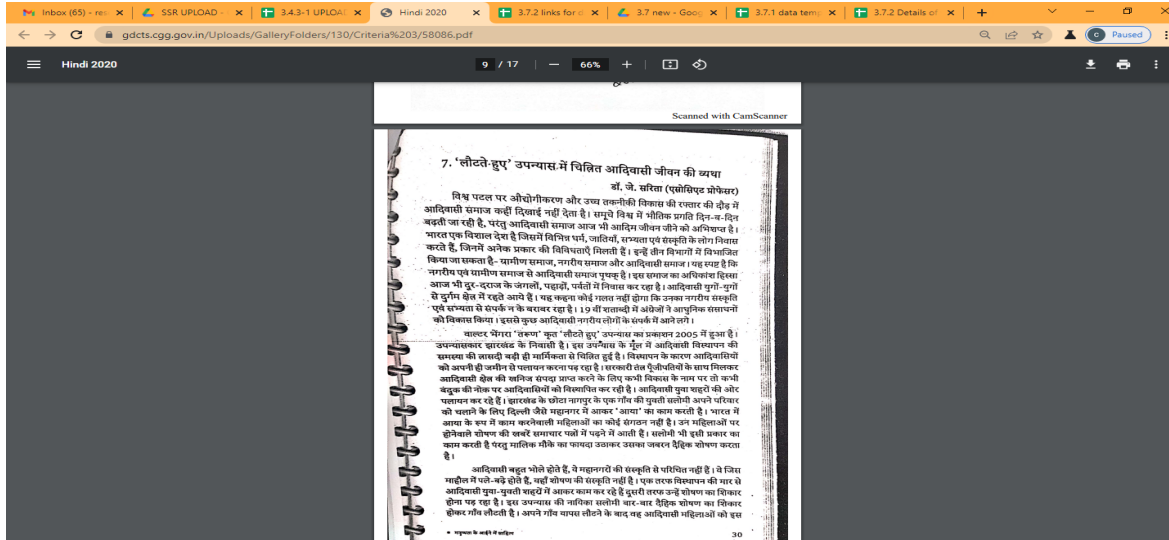
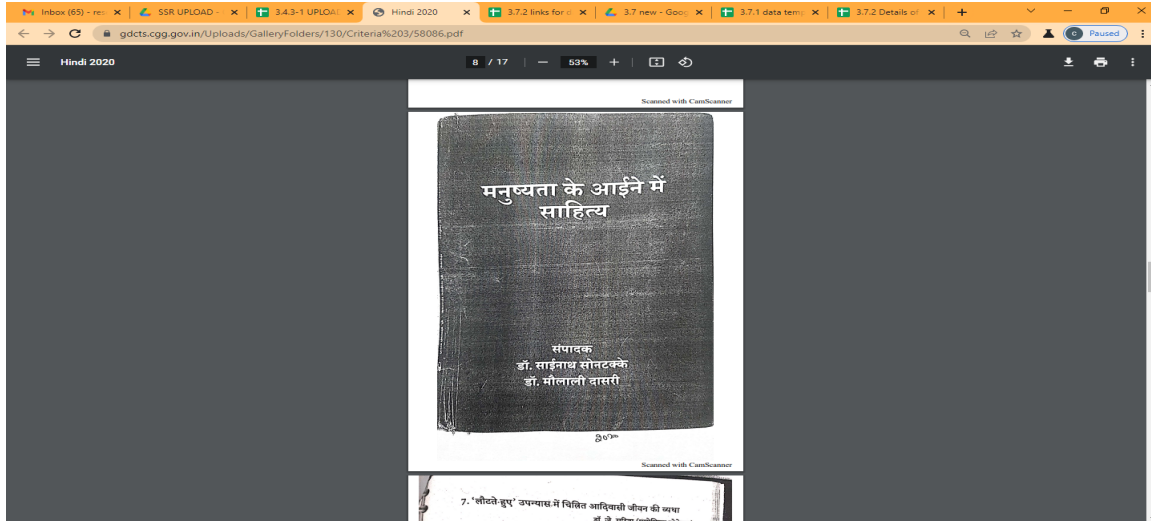
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Top Readership **CN IN US**

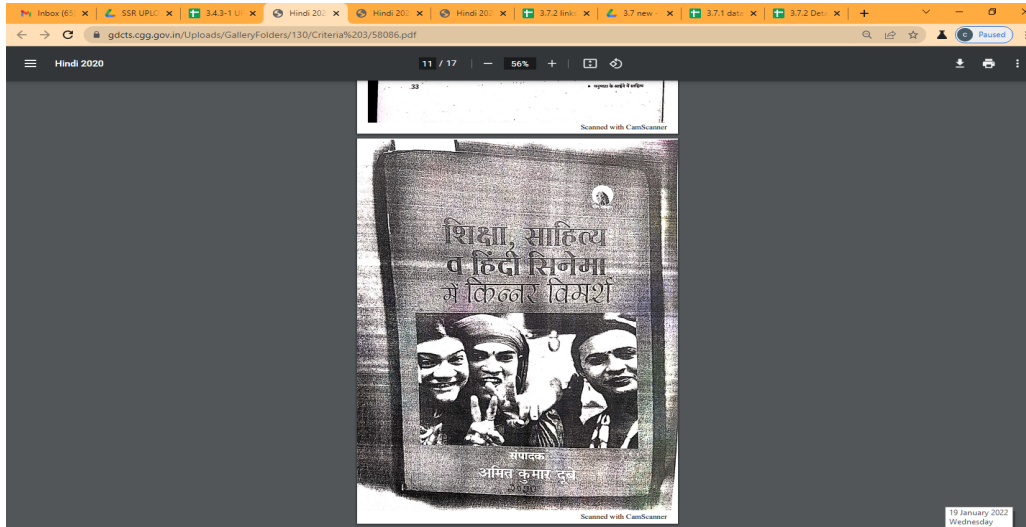
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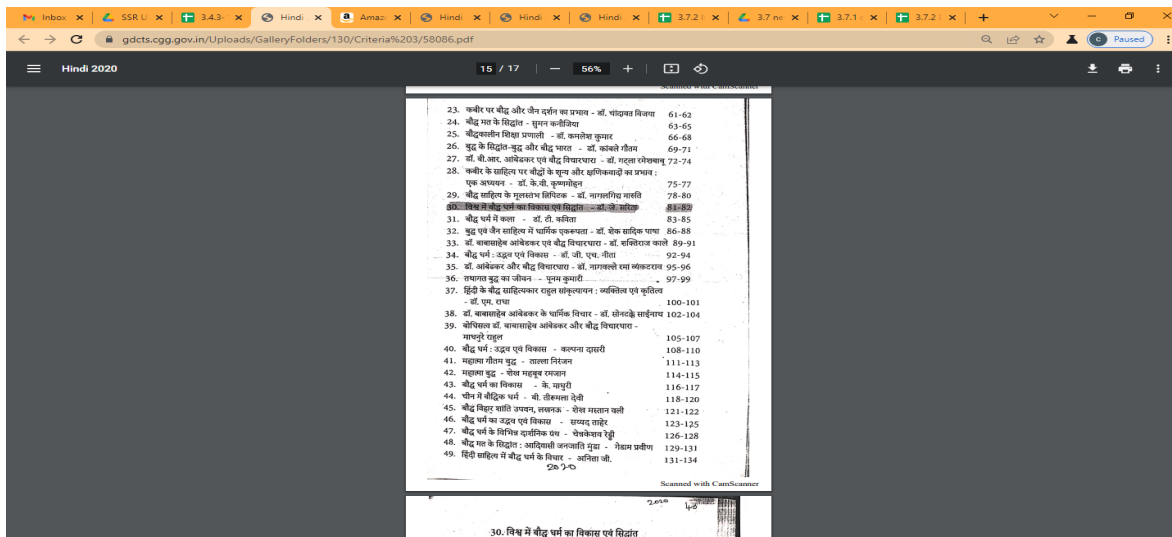
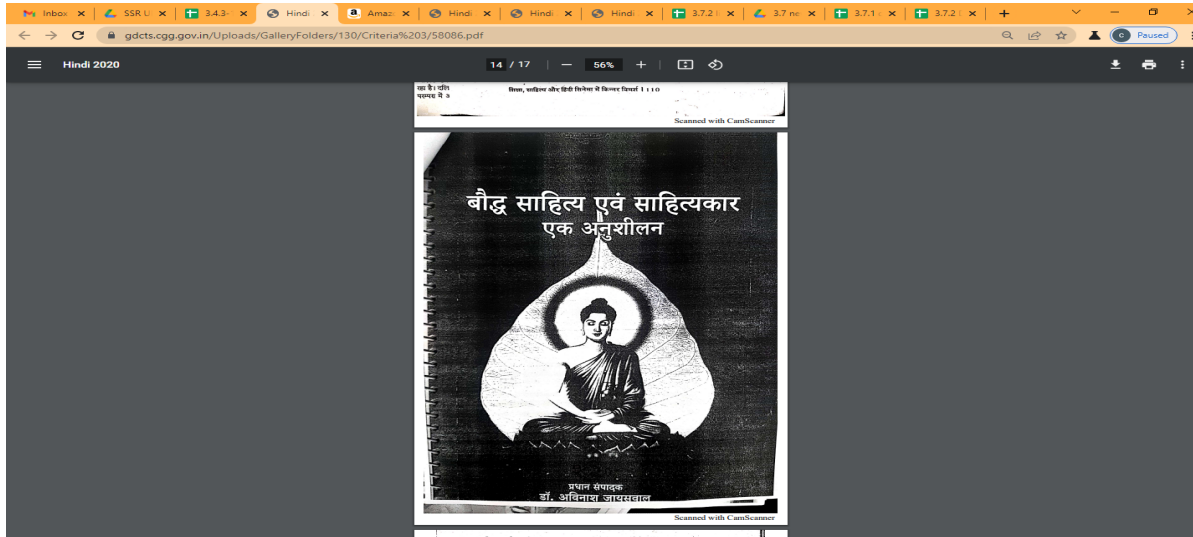
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3.4.3 RP 152



3.4.3 RP 153



3.4.3 RP 154

The screenshot shows the Amazon India website interface. At the top, there's a navigation bar with the Amazon logo, user account options, and a search bar. Below this is a secondary navigation bar with various category links like 'All', 'Best Sellers', 'Mobiles', etc. The main content area displays a search result for the book 'Fundamentals Of Management' by Dr. G. Nanda Kishor Kumar and Mr. P. Mahesh. The book cover is visible on the left, and the title and authors are on the right. The status 'Currently unavailable' is shown. On the left side of the result, there are filters for Department (Books), Price (Over ₹1,000), and Format (Paperback). A 'NEED HELP?' section with a link to the help section is also present. At the bottom, there's a personalized recommendation banner with a 'Sign in' button and a link for new customers.

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3.4.3 RP 155

The screenshot shows a web browser window with the URL `gyanbooks.com/index.php?p=sr&format=fullpage&Field=bookcode&String=1111016994937&Book=Quality%20and%20Research%20in%20Higher%20Education`. The page header includes the Gyan Books Pvt. Ltd. logo with the tagline "all KNOWLEDGE under one ROOF" and "Established 1984", a "MOBILE FRIENDLY" icon, and a search bar with the text "Search Type search string in Keyword Find". A navigation menu contains links for "About Us", "New Releases", "Bestsellers", "Forthcoming", "For Authors", "Make Payment", and "Contact Us".

The main content area features a book cover for "Quality and Research in Higher Education" edited by Dr. Gedam Kamalakar. The cover art includes a person at a laptop, a graduation cap, and a chalkboard. The book details are as follows:

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ISBN 13:	9789353242305
ISBN 10:	9353242304
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An "ADD TO CART" button is visible below the price. A note states: "All Prices are including Free shipping via Air-Mail".

ABOUT THE BOOK:- For strengthening of research culture in Indian higher education requires multipronged activities beginning with a bottom-up than a top-down, "one-size fits- all" approach to introduce a culture of research which is anchored in robust classroom pedagogy and curricula designed to arouse intellectual curiosity and its appropriate channelization and imparting of research tools and techniques to ensure quality and to ensure interaction with colleges and universities/national institutions by sharing resources, equipment and laboratory facilities and Exchange of faculty across these institutions. Higher education sector has in recent years been attracting increasing attention, largely due to its contribution to improving productivity, increasing economic growth, and enhancing innovation and technological capability. The evolution of economic purposes of higher education has been the single most important development in the education sector in the 21st century and it resulted in economic emergence of higher education in countries around

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The image shows a screenshot of a web browser displaying a PDF document. The browser's address bar shows the URL: gdcts.cgg.gov.in/Uploads/GalleryFolders/130/Criteria%203/58087.pdf. The PDF viewer interface includes a title bar with the document name "Design, synthesis, and biological evaluation of chalcone-linked thiazole-imid...", a page indicator "1 / 14", a zoom level of "56%", and navigation icons. The main content area displays the title page of a research paper:

Design, synthesis, and biological evaluation of chalcone-linked thiazole-imidazopyridine derivatives as anticancer agents

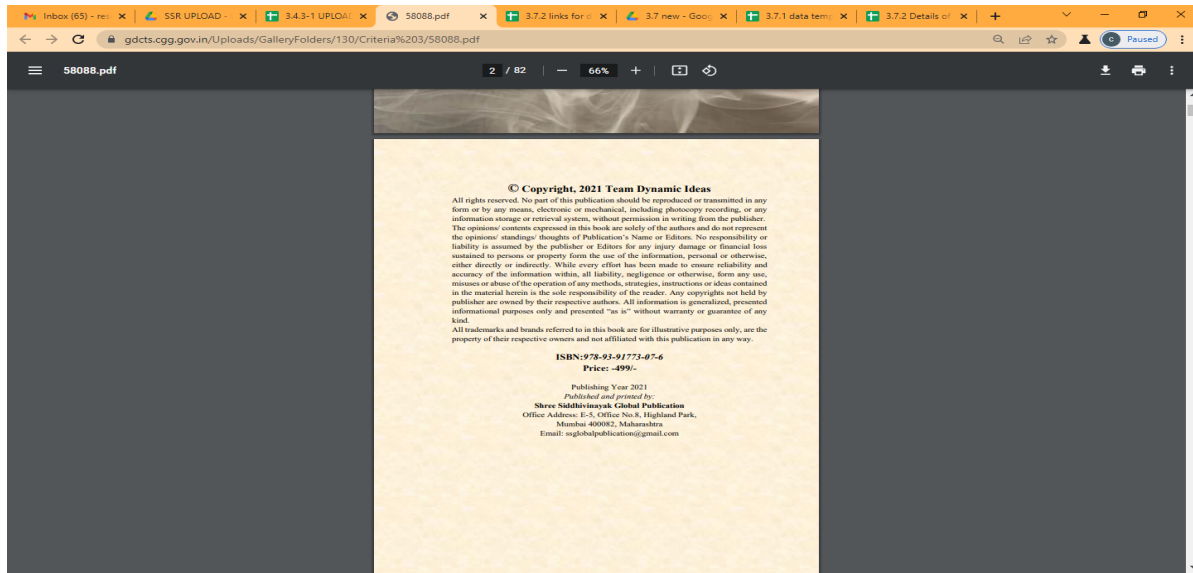
Vellanki Ragha Suma, Reddymasu Sreenivasulu, Mandava Venkata Basaveswara Rao, Madala Subramanyam, Mohamed Jawed Ahsan,

Medical Chemistry Research
ISSN 1054-2523
Volume 29
Number 9
Med Chem Res (2020) 29:1643–1654
DOI 10.1007/s00044-020-02590-9

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3.4.3 RP 157





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Letters in Applied NanoBioScience
Platinum Open Access Journal (ISSN 2284-6808)
Article
Volume 11, Issue 1, 2021, 3134-3144
<https://doi.org/10.33263/LJANBS111.31343141>

Indium Tin Oxide Nanocomposites - Green Synthesis, Characterization, Morphology and Optical Properties Using Almond Gum

Battula Shashi Sree¹, Yarramma Aparna^{1,2}, Tadiboyina Anil Babu³, Narasiparam Venkata Krishna Prasad⁴, Bommaraju Sriavasa Rao⁵, Kanchana Latha Chittary⁶, Dackepalli Ravinder^{4,*}

- ¹ Department of Physics, Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad, India
 - ² Department of Physics, Jawaharlal Nehru Technological University, Hyderabad, Telangana, India
 - ³ Department of Physics, GITAM Deemed to be University, Bengaluru, Karnataka-562161, India
 - ⁴ Department of CSE, Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad, India
 - ⁵ Department of Physics, India Prayashanti Govt. Degree College(W), Hyderabad, Telangana, India
 - ⁶ Department of Physics, Osmania University, Hyderabad-500007, Telangana, India
- * Correspondence: ravinderppr26@gmail.com (D. R.); aparnamaterials@gmail.com (Y.A.B.)
Scripta Author ID: 5710070752

Received: 14.04.2021; Revised: 10.06.2021; Accepted: 15.06.2021; Published: 27.06.2021

Abstract: In this present study, Tin doped In₂O₃ metal oxide was synthesized by green synthesis using almond gum as a reducing agent. The prepared Nanocomposite (Ncs) was characterized by TG-DTA, XRD, SEM, EDX, FTIR, and UV-Vis spectroscopy. From TG-DTA able to get some information regarding calcination temperature. This was found out to be over 300 °C. The XRD study revealed that the In₂O₃-SnO₂nanocomposite with crystal size 13 nm to 16 nm. The SEM study revealed that the morphology of prepared nanocomposite is Cubic phased sphere structure, and EDAX data show that elements in the composite of In₂O₃-SnO₂ are O 74.71%, In 23.45%, and Sn 1.84%. FT-IR spectra confirm the formation of the In-O-In and Sn-O-Sn type of bonding. The UV-Vis spectra imply the bandgap of generated In₂O₃, SnO₂Ncs is 3.83ev.

Keywords: Nanocomposites; Metal oxides; Nanoparticles; synthesis; thermal analysis
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1. Introduction

When brought down to nano-size, the materials have a large surface-to-volume ratio, which creates innovative properties. Among nanoparticles, metal oxide Ncs have consequential attention due to their electrical, optical, magnetic, and catalytic properties [1]. Most studies have relied on a wide range of metal-oxides Ncs applications as catalytic application [2], electrochemical energy storage [3], and gas sensing [4]. Recently GO@TiO₂Ncs examined toxic insecticides in water [5], reduced graphene oxide shows solar cell device with photoconversion efficiency [6]. Several methods are used for the synthesis of metal oxide Ncs, such as polymerization [7], sol-gel [8-13], one-pot solvothermal [14], and physical vapor deposition [15].

In response, researchers are now looking for an alternative "green synthesis" approach by which they can produce low-toxic, low-cost synthesis and environmentally friendly. Tree gums are essential natural, renewable sources for the green synthesis of nanoparticles suitable for reducing and capping agents. Besides, I. Syed *et al.* analyze the prospect of using almond

<https://doi.org/10.33263/LJANBS111.31343141>
gum to synthesize hydra gel-silver Ncs by free radical polymerization method, which is cost-effective and non-toxic [16]. Thus, in this investigation, we initiated our exploration using almond gum as a Plant-Derived biopolymer to synthesize In₂O₃- SnO₂Ncs. Almond gum is one of the natural polymers exuded from the trunk of the almond tree (*Pernisindicus*).

3.4.3 RP 159

The screenshot displays the website for the Indian Journal of Public Administration. The browser's address bar shows the URL: journals.sagepub.com/doi/10.1177/00195561211016278. The page features a green header with the journal's name and a navigation menu including 'Journal Home', 'Browse Journal', 'Journal Info', 'Stay Connected', and a 'Submit Paper' button. A search bar is also present.

The main content area is titled 'Book review: Pawan Agarwal, Indian Higher Education: Envisioning the Future' by Kandi Kamala. It includes publication details: 'First Published June 3, 2021 | Book Review | Check for updates' and the DOI: 'https://doi.org/10.1177/00195561211016278'. The abstract states: 'Pawan Agarwal, *Indian Higher Education: Envisioning the Future*. New Delhi: SAGE Publications, 2009, 480 pp., ₹895.00.'

An 'Access Options' section provides three paths: 'My Account' (with email and password fields), 'Institutional Login' (with an 'Access through your institution' button), and 'Purchase Content' (offering 24-hour online access for \$37.50 per article or \$173.66 per issue). A 'Rent with DeepDyve' option is also available.

On the right side, there are sections for 'Article available in: Vol 67, Issue 2, 2021', a 'SAGE Discipline Hubs' advertisement, 'Related Articles' (listing similar articles like 'Pawan Agarwal, Indian Higher Education: Envisioning the Future'), and 'Articles Citing This One: 0'. A 'SAGE Recommendations' sidebar is visible on the far right.

3.4.3 RP 160

The screenshot shows a web browser window with the URL iassi.org/IASSI_quarterly.html. The page features a navigation menu with 'HOME', 'IASSI QUARTERLY', 'NSSIS', 'EVENTS', and 'PUBLICATIONS'. A sidebar on the left contains links for 'EDITORIAL BOARD', 'GUIDELINES FOR CONTRIBUTORS AND POLICY', 'SUBSCRIPTIONS', and 'ARCHIVES'. The main content area is titled 'IASSI QUARTERLY' and includes a paragraph describing the journal as a peer-reviewed quarterly publication of the Indian Association of Social Science Institutions (IASSI). It also contains a section for 'Recent Issues 2021' with the sub-heading 'Vol. 1, 2, 3 & 4 IASSI Quarterly' and four thumbnail images of the journal covers. A footer at the bottom left shows the URL www.iassi.org/images/Vol-4-2021-B.jpg.

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IASSI QUARTERLY

IASSI Quarterly: Contributions to Indian Social Science is a peer-reviewed quarterly journal of the Indian Association of Social Science Institutions (IASSI). The IASSI Quarterly is an interdisciplinary publication of theoretical and empirical research in the social sciences. It draws upon all social sciences— economics, sociology, anthropology, political science, history, management, law, etc. — for the analysis of various socio-economic-political issues.

The Quarterly invites original contributions in the form of research notes, articles, and book reviews on various topics related to social sciences and economic and social development of the country. All entries must be addressed to The Editor, IASSI Quarterly: Contributions to Indian Social Science and emailed to stiassi79@gmail.com.

Recent Issues 2021

Vol. 1, 2, 3 & 4 IASSI Quarterly

Recent Issues 2020

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3.4.3 RP 161

The screenshot shows a web browser window with multiple tabs open. The active tab is '3.4.3-1 UPL...', and the address bar shows 'academicresearchjournals.org/IJEBM/Content/2021/July/Content.htm'. The website header includes navigation links: Home, Journals, About, Contact, Search. The main title is 'INTERNATIONAL JOURNALS OF ECONOMIC AND BUSINESS MANAGEMENT' with a 'CONTENT TABLE' link below it. A secondary navigation bar contains 'About ARJ', 'Policies', and 'Memberships and Standards'. The main content area is titled 'IJEBM' and 'ISSN:2384-6151'. It features a cover image of the journal and a list of articles for 'Vol. 9(5): pp. 102-117, July 2021'. The articles listed are:

- 1Dr. Kandi Kamala, Asst Professor and 2Dr. Gedam Kamalakar: Indian Higher Education System: Challenges and Suggestions. Abstract | Full Article PDF | 9(5): 102-104. <https://doi.org/10.14442/ijebm2021100> (July 2021)
- 1Dr. Kandi Kamala, Asst Professor and 2Dr. Gedam Kamalakar: Quality and Relevance in Indian Higher Education Institutions. Abstract | Full Article PDF | 9(5): 105-110. <https://doi.org/10.14442/ijebm2021105> (July 2021)
- Addisu Gelahun* and Dawit Mikias2: Review on Agricultural Extension Systems in Ethiopia: A Cluster Forming Approaches. Abstract | Full Article PDF | 9(5): 111-117. <https://doi.org/10.14442/ijebm2021110> (July 2021)

A sidebar on the left lists various site functions: IJEBM, Publication Ethics, Submit Paper, About IJEBM, Editors, Current Issues, Join Review Board, Archives, and Download Ebooks. The footer contains six columns of links: AUTHORS (Submit Manuscript, Publication Fee, Submit Paper), REVIEWERS (Reviewers Guidelines, Peer Review), EDITORS (Editors, Join Editorial Board), READERS (Journals), POLICIES (Privacy Policies, Editorial Policies, Review Policies, Webstar Policy, Article Copyright), and QUICK LINKS (About Us, Terms of Use, Contact). Copyright information at the bottom reads: © Academic Research Journals 2013-2021, Designed by: NHECON Technologies.


3.4.3 RP 162

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Vol. 11, Issue 2, Dec 2021, 17-22
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OBSERVATIONS ON THE MORPHOLOGY OF ANCYLOSTOMA CEYLANICUM

RAJANI P. S.¹, VANITA M² & JYOTHIRMAI G. S³

¹Assistant Professor, Department of Zoology, Government Degree College for Women, Bagampet, Hyderabad, India
²Assistant Professor, Department of Education, Indira Mahindra College of Education, Mahindra University, Hyderabad, India
³Assistant Professor, Department of Zoology, Government Degree College for Women, Bagampet, Hyderabad, India

ABSTRACT
Ancylostoma ceylanicum is a round worm of the genus *Ancylostoma* causing ancylostomiasis in its humans and other mammals. It is also called as hook worm on account of hook like appearance of *Ancylostoma*. The larval *A. ceylanicum* infests the intestine of human beings. The adult of this larval nematode, the *A. ceylanicum* is a common parasite of human beings in the tropical and sub-tropical regions causing severe anemia and general weakness. The increasing importance of the morphological examination of this parasite, had evoked the present research study. An in-depth study of the morphology of *A. ceylanicum* have been investigated in the present study. The morphological characteristics of male *A. ceylanicum* shows a characteristic: funnel shaped buccal capsule and a short club-shaped oesophagus, which opens through paired valves into the long tubular intestine. A pair of long cervical glands, each with a distinct nucleus, lies just posterior to the oesophagus. The copulatory bursa is present in the males. A sharp terminal spine is present in the posterior region of the female *A. ceylanicum*. Studies of *A. ceylanicum* give crucial information of the morphological aspects of the round worm.

KEYWORDS: *Ancylostoma Ceylanicum*, Hookworm, Nematode, Anemia & Subtropical Region

Received: Sep 03, 2021; Accepted: Sep 23, 2021; Published: Nov 19, 2021; Paper Id: IJZRDEC20213

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Original Article

3.4.3 RP 163

Lokaratna

Volume XIV, 2021

ISSN No.2347-6427



Folklore Foundation, Bhubaneswar, India

LOKARATNA, Vol. XIV, 2021

Lokaratna is the e-journal of the Folklore Foundation, Bhubaneswar. *Lokaratna* is a peer-reviewed International journal with ISSN: 2347-6427. The purpose of the journal is to explore the rich cultural tradition of India for a wider readership. Any scholar across the globe interested to contribute to any aspect of folklore is welcome. This volume represents the articles on culture, folklore, education, and

3.4.3 RP 164

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Anusandhan Anveshika

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The screenshot displays the SAGE Journals website interface. At the top, there is a navigation bar with the SAGE Journals logo, search, browse, and resources options, and access options for signing in, institutional access, society, and cart. A banner for 'Politics, Public Administration & International Relations' is visible. The main header identifies the journal as the 'Indian Journal of Public Administration' and includes a 'Submit Paper' button. The article title is 'Book review: Pawan Agarwal, Indian Higher Education: Envisioning the Future' by Kandi Kamala, published on June 3, 2021. The abstract describes the book as 'Indian Higher Education: Envisioning the Future' by Pawan Agarwal, published by SAGE Publications in 2009, 480 pages, for ₹895.00. The 'Access Options' section provides three paths: 'My Account' with email and password fields and a 'Sign in' button; 'Institutional Login' with a button for 'Access through your institution'; and 'Purchase Content' with options for 24-hour online access to download content (Article \$37.50 or Issue \$173.66), an 'Add to Cart' button, and a 'Rent with DeepDyve' option. A sidebar on the left contains an 'Article Menu' with options for 'Access Options', 'Full Article', 'Content List', 'Article Metrics', 'Cite', 'Share', 'Request Permissions', and 'Related Articles'. On the right, there are sections for 'Article available in: Vol 67, Issue 2, 2021', 'Related Articles' (including 'Focus on Quality in Higher Education in India' and 'Regulation, Higher Education and Transformation'), and 'Articles Citing This One: 0'. A 'SAGE Recommendations' sidebar is also present on the right edge.

3.4.3 RP 168

The screenshot shows a web browser window with multiple tabs. The active tab is displaying a Microsoft Word document titled "Microsoft Word - m034_final.doc". The document content is as follows:

International Journal of Research Studies in Management
2021 Volume 9 Number 2, 71-80

Globalization and Chinese higher education

Kamala, Kandi
Government Degree College for Women (Autonomous) Bapatpur, (Affiliation of Omkaresh University,
Madhya Pradesh, Bhopal State, India) kamalakandi@gmail.com
Kamalakari, Geetha kamalakari@gmail.com
Omkaresh University, Madhya Pradesh, Bhopal State, India kamalakari@gmail.com

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Abstract

The cross line movement according to the two labor and products is the thing to take care of in the present worldwide economy. Worldwide exchange labor and products has for some time been a standard, for different advantages that gather from it. There have been numerous respective and multilateral arrangements comparable to cross line exchange dealings. The development of administrations area that decidedly influences the everyday daily routine and guidelines of experiencing or personal satisfaction. The World Trade Organization (WTO), of which in excess of 156 nations are individuals, has an understanding according to global administrations exchange. The General Agreement on Trade in Services (GATS) is the WTO's arrangement that administers exchange 12 sorts of administrations, including 'instruction administrations'. One of the basic inquiries or issues in such manner would be corresponding to the sort of college to be permitted to set up its grounds or branch or in any case offer training administrations. This paper would endeavor to give some potential experiences into this issue. Internationalization and globalization are the two Global idea terms conversely utilized as far as higher education. Most impressively, the test to set up colleges will come from the worldwide monsters of the interchanges, data innovation and mixed media ventures worldwide suppliers, packed with capital, ready to get to remarkable global researchers and educators, talented in giving in situ understudy support at the same time in numerous nations, and equipped for expediting proficient accreditation and acknowledgment all throughout the planet. Quality in the subsequent 'worldwide virtual colleges' will be high, normalization will make cost structures that are powerfully serious, brand acknowledgment will be acquired, maybe by accepting one of the incomparable Ivy League organizations as an accomplice, or on the other hand by moving into advanced education a prevailing brand from the correspondences or processing ventures.

Keywords: globalization, advanced education in china, promoting techniques, WTO

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Kamala, K., & Kamalakari, G.
Globalization and Chinese higher education


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Folklore Foundation, Bhubaneswar, India
LOKARATNA, Vol. XIV, 2021

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3.4.3 RP 170

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© 2021 JETIR June 2021, Volume 8, Issue 6 www.jetir.org (ISSN-2349-5162)

A GENERAL PERSPECTIVE OF INDIAN WOMEN NOVELISTS

¹ Dr. M. NIRMALA -² Dr. M. SANDRA CARMEL SOPHIA
¹ Assistant Professor, ² Professor
¹ Dept. Of English
¹ Govt. Degree College for Women, Begumpet, Hyderabad, India.

ABSTRACT

India is a museum of languages and literature and Indian writing deals with projection of its social, political, religious, ethnic and linguistic aspects. The beginning of contemporary Indian writing in English gained momentum with the post-colonial literature. The post-colonial discourse has become the chief concern in English studies in countries like India. It studies the issues connected with the subaltern women. During the last two decades, Indian English Literature has genuinely come of age and there has been a marvellous improvement in the quality and quantity of creative works produced by Indian Women writers in India and abroad. Indian English fiction holds the centre-stage as fiction is the most powerful, prominent and characteristic genre of literary expression. The noteworthy aspect of these writers is that their writings match the male counter parts and hence have won laurels in India and abroad. These writers can be hailed as 'feminists' in the true sense of the term. Thus Indian English Women's writing today enjoys a unique and distinct reputation, prestige and respectability in the world of canonized English studies.

Keywords: Indian literature, social, political, religious, ethnic, linguistic, post colonial, subaltern, feminists

INTRODUCTION

Bill Ashcroft in his seminal work *The Empire Writes Back* relates the term Post-Colonialism to the study of resistance while Edward Said in his book *Orientalism*, spoke of the resistance rhetoric that emerges from rejection and separation syndrome and found fault with the western cultural institutions that were responsible for the creation of those 'others', the Orientals. During the last two decades, Indian English Literature has genuinely come of age and there has been a marvellous improvement in the quality and quantity of creative works produced by Indian Women writers in India and abroad. Indian English fiction holds the centre-stage as fiction is the most powerful, prominent and characteristic genre of literary expression. The noteworthy aspect of these writers is that their writings match the male counter parts and hence have won laurels in India and abroad. These writers can be hailed as 'feminists' in the true sense of the term. Thus Indian English writing today enjoys a unique and distinct reputation, prestige and respectability in the world of canonized English studies.

WOMEN AS VICTIMS OF MALE CHAUVINISM

Since the ancient classical period, women were the target victims in the male chauvinistic society. The institution of marriage, family life and work patterns conveyed the idea that women should be subordinate to and dependent on man. The taboos and social customs have damaged the image of women and deprived them of their identity, freedom and independence. The male ego has used women as channel to fulfil his physical psychological and sexual needs.

Novels and writing by women and non-women emphasize the unending struggle of women in search of an identity. Thus the search for identity in the face of endless miseries and struggles become the focus of study in the writings of women novelists of the post-independence era. Juliet Mitchell in her article "*Feminity, Narrative and Psychoanalysis*" suggests that

the novel form itself arose out of woman's
search for identity within new social structure;
the earliest novelists, she believes are not men,
but women who

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	JNROnline Journal ISSN:2320-3358 ISSN:0972-5547	Journal of Natural Remedies Vol. 22, No. 1(1), (2021)
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A STUDY OF PURDAH SYSTEM IN ISMAT CHUGHTAI'S *THE CROOKED LINE*

1. D. Suvarna Suni, Assistant Professor of English,
Vignan's Lara Institute of Technology and Science, Vadlamudi.
2. Dr. M. Nirmala, Assistant Professor of English
Govt. Degree College for Women, Begumpet, Hyderabad.
3. Dr. M. Sandra Carmel Sophia, Professor of English,
Aditya Engineering College, Surampalem.

ABSTRACT

Ismat Chughtai is one of the most outspoken Urdu writers of the Indian subcontinent. Women's lives contained and restrained by social and sexual oppression are her predominant concern in her writings. Much of the action centers on them. Though she deals with the experiences of Muslim women mostly, Hindu and Christian women also occupy the centre stage in her fiction as witnessed in her remarkable novel *The Crooked line*. *The Crooked Line* analyses the protagonist Shaman's life from her childhood to adolescence and final settlement in marriage with a white man. Shaman finds herself travelling on a crooked line battling against religious social norms centered around gender and sexuality until she finds her own sexual identity and expresses it in her freedom to choose the Irish man. The veil or Purdah which inflicts patriarchal and religious anxieties about femininity is often perceived as an icon of female oppression.

Key words: women, social, sexual oppression, Muslim Women, adolescence, battle, religious norms, purdah, anxieties.

INTRODUCTION

An important aspect of Ismat Chughtai's fiction is her understanding of human relationships, which forms the basis of the most of her stories. Tahira Naqvi, who translated most of her works into English, states that women like Chughtai were offering novel perspectives on not just marriage and family life, but social movements as well. Ismat Chughtai's *The Crooked Line* is an emotional rendering of women's lives in the back drop of the Raj. Of all the themes and subjects Chughtai chose to write, one can see her aversion to the Purdah system. To her, Muslim women in Purdah are equal to the prisoners undergoing the most rigorous punishment. Ismat Chughtai said about the Purdah:

If I tell you to shed the Purdah, to get educated, to go to work, to take part in adult education, nothing will be achieved. Page 5 and imprisoned in your Purdah+ your sisters are ignorant; the children of your nation are naked and hungry; the youth are unemployed and sick. This pardah,

3.4.3 RP 174

The screenshot shows a web browser window with the URL annalsofscb.ro/index.php/journal/article/view/3817. The page header includes navigation links: Home, Scope, Current Issue, Archives, About the Journal, Editorial Board, Instructions for Authors, and Online Submission. A search bar is located in the top right. The breadcrumb trail reads: Home / Archives / 2021: Volume 25: Issue 4 / Articles.

Creating Awareness and Importance of 'English' For Students Hailing From Rural Areas

Dr. M. Sandra Carmel Sophia, Dr. M. Nirmala

[pdf](#)

Abstract

The ever-growing need for good communication skills in English creates a huge demand for English learning/teaching around the world. People's participation in dialogue of cultures requires communication and contributes to the total holistic formation of the human person. English education is the need of the hour and a powerful instrument of economic, social and cultural change. In underdeveloped countries like India, the progress of rural areas is questioned, because of unequal or lack of access to quality education. Poverty and illiteracy remain overwhelmingly a rural phenomena and poverty in rural areas is linked to illiteracy. Therefore development in rural areas faces a key challenge to achieve both poverty reduction and 'Education for All'. Quality of education depends on infrastructure such as classrooms, sanitation facilities, provision for digital learning, sports equipment facilities, professional competencies of

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ikogretim Online - Elementary Education Online, 2021; Vol 20 (Issue 5): pp. 7195-7202
http://ikogretim-online.org
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FEMALE EMPOWERMENT THROUGH ECOLOGICAL RESTORATION AND PRESERVATION (ANALYSIS OF WANGARI MAATHAI'S UNBOWED)

Dr. M. NIRMALA, Asst. Prof. of English, Govt. Degree College for Women, Begunpet, Hyderabad, nirmalambdral10@gmail.com
Dr. M. SANDRA CARMEL SOPHIA, Professor of English, Aditya Engineering College (A), Surampalem, sandraughis17@gmail.com

ABSTRACT. This article explores the kinship between women and environment projected by women writers in World literatures in general and African literature in particular. These writers have established a space to discuss the politics of gender, modernity, environmental issues and changes in Africa to articulate a culturally-located discourse of development. Women writers have taught women to stand up for themselves and what they believe in. Through their works of prose fiction they have been able to show women as important part of them that should voice out and not drown in the patriarchal abyss as society expects. Thus women writers during the twenty five years have made a significant contribution. Eventually the works of women writers underwent rapid changes and have steadily risen in quantity and quality. Women writers invite the readers to re-imagine and re-vision the truth that living ethically, beautifully well with human and the environment is necessary. They focus on the poignant aspects of protecting the environment and all creatures which share the ecosystem. Each of their writings has changed the way that ordinary human being perceives the world. Women writers have also shown that women have an effect on the health of the planet beginning from the smallest decisions of day-to-day lives to international policy through which each can make a difference to protect the planet. Thus women writers have offered a different mirror of their own while dealing with the themes of environment, female empowerment and ecological concerns. They may be titled as 'Guardians of the Planet'.

KEYWORDS: African Literature, Women, Environment, Feminism, Gender Equality, Re-imagine, Re-vision, Ecosystem, Female Empowerment, Preservation.

I. INTRODUCTION

Women Writers in Africa have established themselves in the sixteenth century after undergoing much struggle. The truth applies more to women writers who were unnoticed as serious writers. It is subsumed under the massive humming and bustling of her male counterpart who have taken women for granted. Thus women writers during the twenty five years have made a significant contribution to literature. Eventually the works of women writers underwent rapid changes and have steadily risen. Black women novelists are meditating on recreating and restoring the stereotyped images of women with a view to project a different picture. Women writers have focused to depict women who are empowered and try to seek a balance between the family and the natural world. Helen Chukwuma expresses:

The identification of male positive disposition to the cause of women is a healthy development for African Literature. Firstly, it underscores the validity of women's complaint of subjugation and negative exposure. Secondly, it compliments and advances literature from the continent. With such unison of voice, the real essence of African Literature is brought to the fore and appreciated (Chukwuma 1990: 113).


7195 | M. NIRMALA FEMALE EMPOWERMENT THROUGH ECOLOGICAL RESTORATION AND PRESERVATION (ANALYSIS OF WANGARI MAATHAI'S UNBOWED)

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Degradation and utilization of Systemic fungicide Contaf as a nutrient source by soil fungus *Trichoderma aureoviride*.

Author Name : Sneha R.

ABSTRACT
The present study was undertaken, to isolate the potential fungi from the contaf sprayed fields. The isolated fungi were subjected to preliminary screening. After screening, only a few fungusuch as *Trichodermaaureoviride*, *Fusariumsolani*, *Curvulariaclavata*were selected. Further studies, were carried out with the fungi *Trichodermaaureoviride*. The fungi *T. aureoviride* was subjected to higher concentrations of the fungicide i.e., 50 ppm,100 ppm,150 ppm and 200 ppm. A study was also carried out to determine the ability of the soil fungus *Trichodermaaureoviride* to utilize the systemic fungicide contaf as nutrient source. *T.aureoviride* utilized the fungicide more as carbon source than as nitrogen source. The mycelial growth of the fungus is more in contaf supplemented Czapek-Dox Agar medium devoid of carbon source than in the medium deprived of nitrogen source.

Keywords: Biodegradation, Contaf,Fungicide, *Trichodermaaureoviride*

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3.4.3 RP 177

OBSERVATIONS ON THE MORPHOLOGY OF ANCYLOSTOMA CEYLANICUM

RAJANI P. S.¹, VANITA M² & JYOTHIRMAI G. S³

¹Assistant Professor, Department of Zoology, Government Degree College for Women, Begumpet, Hyderabad, India

²Assistant Professor, Department of Education, Indira Mahindra College of Education, Mahindra University,
Hyderabad, India

³Assistant Professor, Department of Zoology, Government Degree College for Women, Begumpet, Hyderabad, India

ABSTRACT

Ancylostoma ceylanicum is a round worm of the genus *Ancylostoma* causing ancylostomiasis in humans and other mammals. It is also called as hook worm on account of hook like appearance of *Ancylostoma*. The larval *A. ceylanicum* infests the intestine of human beings. The adult of this larval nematode, the *A. ceylanicum* is a common parasite of human beings in the tropical and sub-tropical regions causing severe anemia and general weakness. The increasing importance of the morphological examination of this parasite, had evoked the present research study. An in-depth study of the morphology of *A. ceylanicum* have been investigated in the present study. The morphological characteristic of male *A. ceylanicum* shows a characteristic funnel shaped buccal capsule and a short club-shaped oesophagus, which opens through paired valves into the long tubular intestine. A pair of long cervical glands, each with a distinct nucleus, lies just posterior to the oesophagus. The copulatory bursa is present in the males. A sharp terminal spine is present in the posterior region of the female *A. ceylanicum*. Studies of *A. ceylanicum* give crucial information of the morphological aspects of the round worm.

KEYWORDS: *Ancylostoma Ceylanicum*, Hookworm, Nematode, Anemia & Subtropical Regions

Received: Sep 03, 2021; Accepted: Sep 23, 2021; Published: Nov 19, 2021; Paper Id: IJZRDEC20213

3.4.3 RP 178

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Article
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Indium Tin Oxide Nanocomposites - Green Synthesis, Characterization, Morphology and Optical Properties Using Almond Gum

Battula Shanti Sree ¹, Yamma Aparna ^{1,2}, Tadiboyina Anil Babu ³, Narasipuram Venkata Krishna Prasad ³, Bommaraju Srinivasa Rao ⁴, Kanchana Latha Chittury ⁵, Dacheppalli Ravinder ⁶*

¹ Department of Physics, Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad, India
² Department of Physics, Jawaharlal Nehru Technological University, Hyderabad, Telangana, India
³ Department of Physics, GITAM Deemed to be University, Bengaluru, Karnataka-562163, India
⁴ Department of CSE, Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad, India
⁵ Department of Physics, Indira Priyadarshini Govt. Degree College(W), Hyderabad, Telangana, India
⁶ Department of Physics, Osmania University, Hyderabad-500007, Telangana, India
* Correspondence: ravindergupta28@rediffmail.com (D. R.); aparnamaterials@gmail.com (Y.A.); Scopus Author ID 57190787752

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Abstract: In this present study, Tin doped In₂O₃ metal oxide was synthesized by green synthesis using almond gum as a reducing agent. The prepared Nanocomposite (Ncs) was characterized by TG-DTA, XRD, SEM, EDX, FTIR, and UV-Vis spectroscopy. From TG-DTA able to get some information regarding calcination temperature. This was found out to be over 300 °C. The XRD study revealed that the In₂O₃-SnO₂ nanocomposite with crystal size 13 nm to 16 nm. The SEM study revealed that the morphology of prepared nanocomposite is Cubic phased sphere structure, and EDAX data show that elements in the composite of In₂O₃-SnO₂ are O 74.71%, In 23.45%, and Sn 1.84%. FT-IR spectra confirm the formation of the In-O-In and Sn-O-Sn type of bonding. The UV-Vis spectra imply the bandgap of generated In₂O₃. SnO₂Ncs is 3.83eV.

Keywords: Nanocomposites; Metal oxides; Nanoparticles; synthesis; thermal analysis

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 on
IMPLEMENTATION STRATEGIES FOR NATIONAL EDUCATION POLICY-2020
Equity and Access in Higher Education including Promotion of Indian Languages, Art & Culture
 on the occasion of
AIU EAST ZONE VICE CHANCELLORS' MEET-2021
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The abstract section is titled "ABSTRACT" and contains the following text: "In this work, NiMg@OH/reduced graphene oxide (rGO) nanocomposites are synthesised through microwave-assisted synthetic methodology using various reducing agents. The structural features and surface morphology of synthesised materials are fully examined with different spectroscopy and microscopy techniques such as X-ray diffraction (XRD), scanning electron microscopy (SEM), UV-visible spectroscopy (UV-Vis), Raman and Fourier Transform Infrared (FT-IR) spectroscopy. Further, this material was subjected to cyclic voltammetry (CV) and electrochemical impedance spectroscopy (EIS) techniques for the systematic study of the properties and impact of reducing agents at various percentages of rGO on the specific capacitance of synthesised materials. The presence of rGO gradually improves the charge transfer process at the electrode/electrolyte interface. Among these nanocomposite materials, maximum specific capacitance of 650.31 F/g was observed for NiMg@OH-1.5 wt% rGO synthesised using NH₄OH reducing agent in 6 M KOH electrolyte. Hence, the result signifies these composite materials are a promising candidate for supercapacitor applications."

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Electrocatalytic oxidation of hydrazine at sulphur-doped graphene-modified glassy carbon electrode

K SARITHA RANI^{1,2,*}, SANKARARAO MUTYALA³ and S MUTTA REDDY¹

¹Department of Chemistry, Acharya Nagarjuna University, Nagarjuna Nagar, Guntur 522510, India
²Department of Chemistry, Government Degree College for Women, Begumpet, Hyderabad 500016, India
³Department of Chemistry, Koneru Lakshmaiah Education Foundation (KLEF), Vaddeswaram, Guntur 522 502, India
*Author for correspondence (ksaritharani@gmail.com)

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Abstract. In the present work, binder-free, stable, high-performance and ultrasensitive platform is proposed for the accurate estimation of hydrazine by using a facile synthesized few-layered sulphur-doped graphene (SG)-modified glassy carbon electrode (SG/GCE). This proposed SG/GCE facilitates hydrazine to be catalytically oxidized at low overpotential. The SG was synthesized by a facile microwave-assisted solvothermal route, further examined by electron microscopy, Raman and FTIR spectroscopy and identified as a suitable catalyst material for sensing platform. Experiments were conducted to typify the electrode as a sensor for the estimation of hydrazine. The SG-modified electrode exhibited overpotential of hydrazine oxidation at 0.31 V, which is lower than many other electrochemical sensors. The linear calibration plots were obtained over the range of 0.5–6 μM in chronoamperometry and the limit of detection is as low as 0.25 μM. It is one of the finest reports in terms of high sensitivity and low limit of detection has also been achieved. It is concluded that SG exhibited an efficient sensor platform for hydrazine determination.

Keywords. Sulphur-doped graphene; hydrazine; electrocatalysis; electrochemical sensor; chronoamperometry.

1. Introduction

A number of studies have been documented towards the growth of highly sensitive, selective and swift determination of various toxic chemicals [1–3]. Recently, hydrazine has received a rising amount of attention because of its widely used raw material in the manufacture of agricultural chemicals, emulsifier, corrosion inhibitor, insecticide polymerization catalysts and reducing agent [4]. Furthermore, it is served as an oxygen scavenger in industry, plays a vital role in pharmacology, because it is recognized as a carcinogenic, hepatotoxic substance and photographic developer [5]. Therefore, sensitive and accurate determination of hydrazine is practically important for environmental and biological analysis [6]. So far, various instrumental techniques like electrochemical, chemiluminescence, chromatography and different types of spectroscopies have been used for the determination for a range of organic pollutants, but the snags are high-cost, long time and sampling requirement [7,8], fluorimetry [9] and potentiometry [10]. Amongst them, electrochemical techniques are known for appropriate for analytical application due to slow electrode kinetics and very high overpotential [13].

For this reason, a series of chemically modified electrodes (CMEs) have been exercised for fast and accurate determination of hydrazine [14]. This can drastically decrease the overpotential and increase the oxidation peak current response. However, a huge number of electrode modifiers are used as catalytic materials for hydrazine electro-oxidation, but these modifiers are relatively narrower in terms of sensitivity and selectivity. So, it is very imperative to develop highly selective and economical catalyst material to modify electrode accurately and effectively for the determination of hydrazine. Hitherto, different nanomaterials have been employed for the successful determination of hydrazine, such as copper oxide (CuO), zinc oxide (ZnO), iron oxide (Fe₂O₃), titanium oxide (TiO₂), tungsten oxide (WO₃) and manganese dioxide (MnO₂) [15–18]. In addition to this graphene [19,20], heteroatom-doped graphene and functionalized graphene materials are also used for the determination of hydrazine [21–23].

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Facile one pot synthesis of sulphur doped graphene for non-enzymatic sensing of hydrogen peroxide

Saritha Rani Kanuganti, Rafiya Sultana, Deepti Kolli, Gnana Kiran Maddula & Mutta Reddy Singampalli

Received 20 Jul 2021, Accepted 06 Sep 2021, Published online: 21 Sep 2021

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ABSTRACT

Herein we demonstrated the preparation of sulphur-doped graphene (SG) prepared via hydrothermal route. The resulted material is used for making highly sensitive and selective electrochemical sensor platform for accurate quantification of Hydrogen Peroxide (H₂O₂). Structural features and surface morphology of synthesised materials are fully examined using High resolution Transmission electron microscopy (HRTEM), Scanning electron microscopy (SEM), FT-IR and Raman spectroscopy techniques. In addition to that, electrochemical techniques like cyclic voltammetry (CV) and chronoamperometry (CA) are used to quantify the electron transfer kinetics and electro catalytic activity, these results inveterate it is due to strong electron donating ability of doped sulphur (S) atom and edge plane sites in SG that promotes the electron transfer process at electrode-electrolyte interface. The SG modified glassy carbon electrode (SG/GCE) exhibited finite selectivity; sensitivity stability with a regression coefficient (R²) value is 0.99 towards H₂O₂ estimation. The above observation conclude that these results are finest report to scrutinise the electrochemical properties of Graphene network by doping with Sulphur atom and it served as an important benchmark for the development of inexpensive SG based sensor platforms for electrochemical biosensor applications.

KEYWORDS: Sulphur doped graphene, chronoamperometry, cyclic voltammetry, hydrogen peroxide

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