



Dr. MGR
Edu. & Res.
Institute



Sir.
C.V.Raman
Journal Club

PROFILE BOOK

20

16 21

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About Journal Club



Dr. M.G.R. **EDUCATIONAL AND RESEARCH INSTITUTE** **DEEMED TO BE UNIVERSITY**

University with Graded Autonomy Status

(An ISO 21001 : 2018 Certified Institution)

Periyar E.V.R. High Road, Maduravoyal, Chennai-95. Tamilnadu, India.



What is Journal Club?

The general purpose of a JC (JC) is to facilitate the review of a specific research study and to discuss implications of the study for practice. A JC has been defined as an educational meeting in which a group of individuals discuss current articles providing a forum for a collective effort to keep up with the literature. JC promote critical thinking skills, dissemination of scientific information, and generate novel research ideas. They allow faculty and students at varying stages of education to interact and discuss topics not otherwise discussed, on a level not otherwise approached. Additionally, the Club provides a forum to practice journal review skills, which are an essential component of the Comprehensive Exams in the spring, and of life as an epidemiologist.

CVR Journal Club Policy

SIR. C.V. RAMAN JOURNAL CLUB POLICY

Responsible Executive: University President, **Responsible Office:** Office of the Dean - Publication

Related Policy: Revision Approved - on Date: July 2018, **Effective Date:** August 2018

Policy Statement:

The Dr. M.G.R Educational and Research Institute Journal Club Policy ensures the Faculty and Student promote critical thinking skills, dissemination of scientific information, and generate novel research ideas.

Purpose:

- The general purpose of a JC (JC) is to facilitate the review of a specific research study and to discuss implications of the study for practice.
- It also provides platform to meet research Faculties, Research, Scholars, UG/PG Students and external research experts to observe the best practice with all.

Objective of Journal Club

1. To update the current research topics with the students through JC Faculty members.
2. To review the research progress of the JC members.
3. To achieve, quality research publications, indexed in SCI / WOS

Activities of Journal Club

1. Department wise JC Monthly Discussion Meeting.
2. Organise promotional Events for Publication to the benefit of Faculty.
3. Appreciate the Faculty Research Progress through MGR Research Awards .
4. University JC meeting to be scheduled per Semester to review the Publications of the departments.
5. Provide platform to check the paper English Correction and Plagiarism.

Annual Award Function:

Annual MGR Research Award function, to appreciate research talents and for motivating the research spirit among the researchers, the winners are honoured by the following awards, Founder Chancellor's Research Excellence Award, President's Award for Research Attainment, Sir.C.V.Raman Research Publication Premium Award and Dr.A.P.J Abdul Kalam Research Publication Award.

JC Members Criteria

Members for Journal Club –Faculty with Research Competence (Above 50%) in the department, Research Scholar is Mandatory, 50% of the PG Students in FT/PT, Minimum 5 Students in UG

DEPT. JOURNAL CLUBS

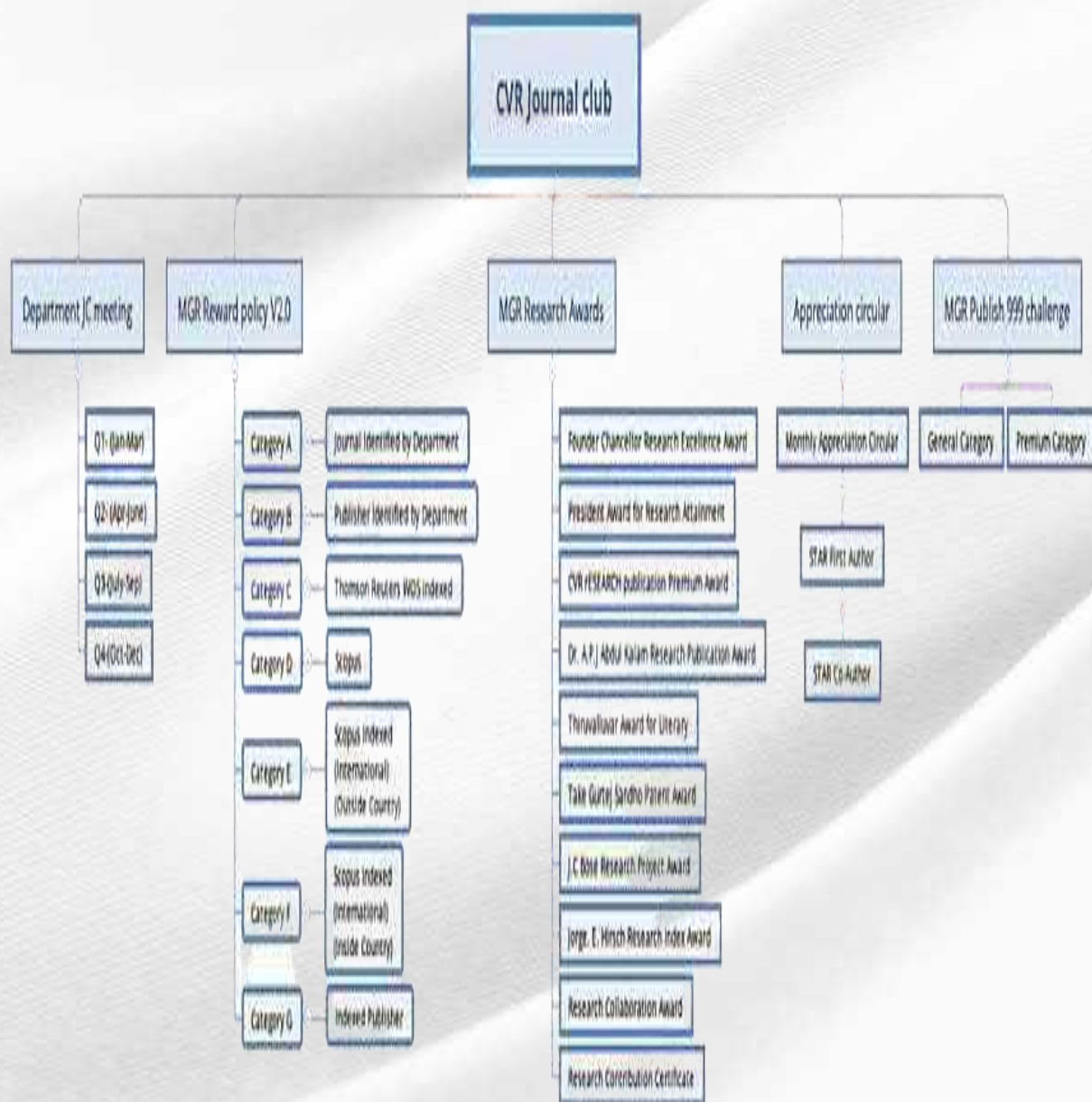
DEPT. JOURNAL CLUBS

SIR CV RAMAN JOURNAL CLUB

WATSON AND CRICK JC	CLASSIC JC
DAVID MAGEE JC	F NIGHTINGALE JC
MAYAN JC	CHEF MANJIT SINGH GILL JC
POSEIDON JC	VISVESVARAYA JC
SIR ISSAC NEWTON JC	BENJAMIN FRANKLIN JC
WILLIAM SHOCKLEY JC	ALAN TURING JC
REYNOLDS JC	FREDERICK SANGER JC
PETER CHECKLAND JC	STEVE JOBS JC
ENRICO JC	VIKRAM SARA BAI JC
HARVEY'S JC	J.LEE NICHOLSON JC
BENJAMIN BLOOM JC	F. W. TAYLOR JC
PLANETM JC	GALEN JC
DR.B.R. AMBEDKAR JC	OSCAR JC
SRIDHAR VEMBU JC	SIR G.V. BLACK JC

WORK FLOW PROCESS

WORK FLOW PROCESS

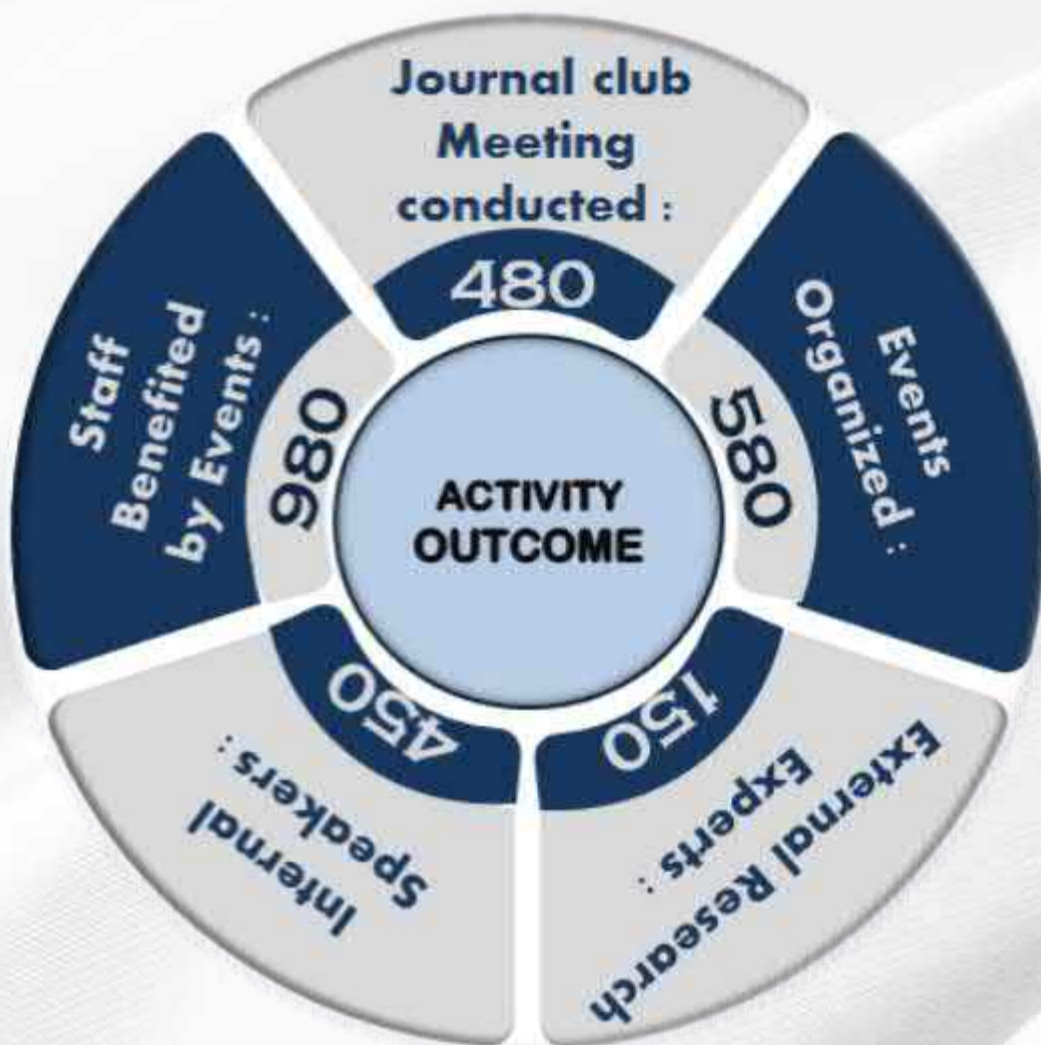


Outcome

OUTCOME



No. of Students benefited	458
No. of Institution Collaborated	2873
No. of Industry Collaborated	179
No. of Star Authors	72
No. of First Author	2572



Journal club Meeting Conducted	480
No. of Events Organized	580
No. of External Research Experts	150
No. of Internal Speaker	450
No. of Staff benefited by Events	980

YEAR	INDEXED PUBLICATIONS	NON INDEXED PUBLICATIONS
2000-2015	39%	60%
2016-2021	83%	16%

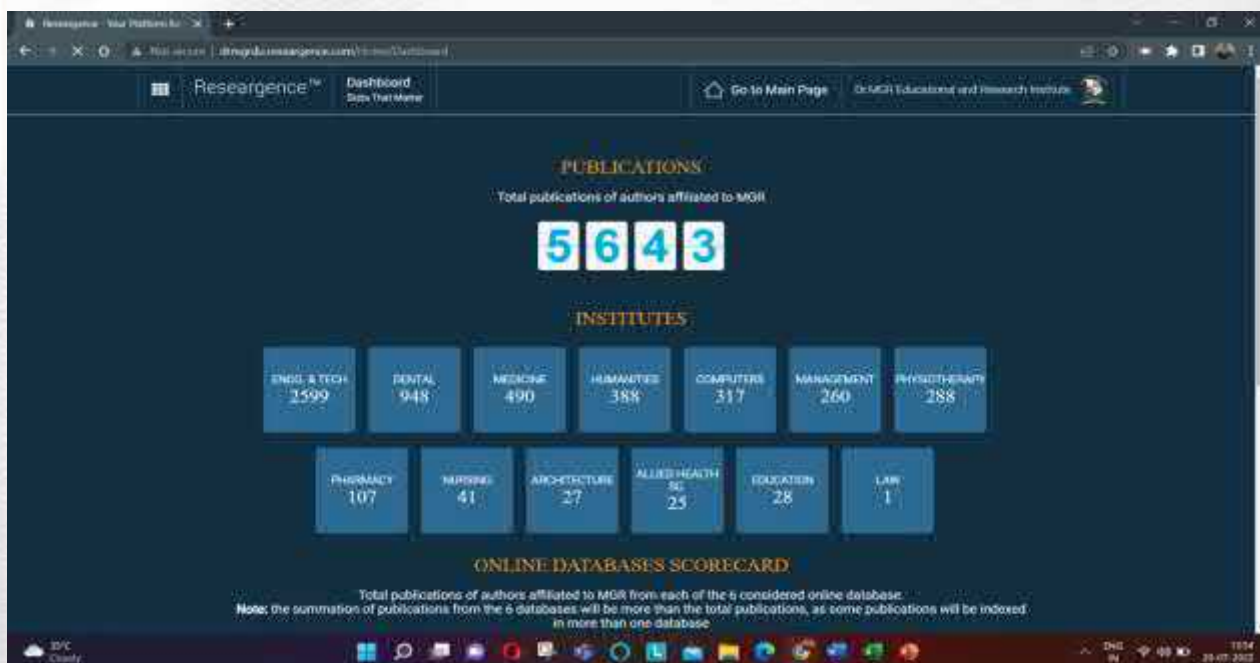
SCOPUS	
H-INDEX	- 47
CITATIONS	- 12981
HIGHEST SNIP	- 11.486
AVG.SNIP	- 0.560
WEB OF SCIENCE	
H-INDEX	- 35
CITATIONS	- 5877
HIGHEST IMPACT FACTOR	- 9.710
AVG IMPACT FACTOR	- 1.363

MGR Research Engine

MGR Research Engine

MGR Research Engine is an intelligent, user-friendly platform that helps faculty/researchers to keep measure of all their Research contributionsfor Dr. M.G.R. Educational and Research Institute.

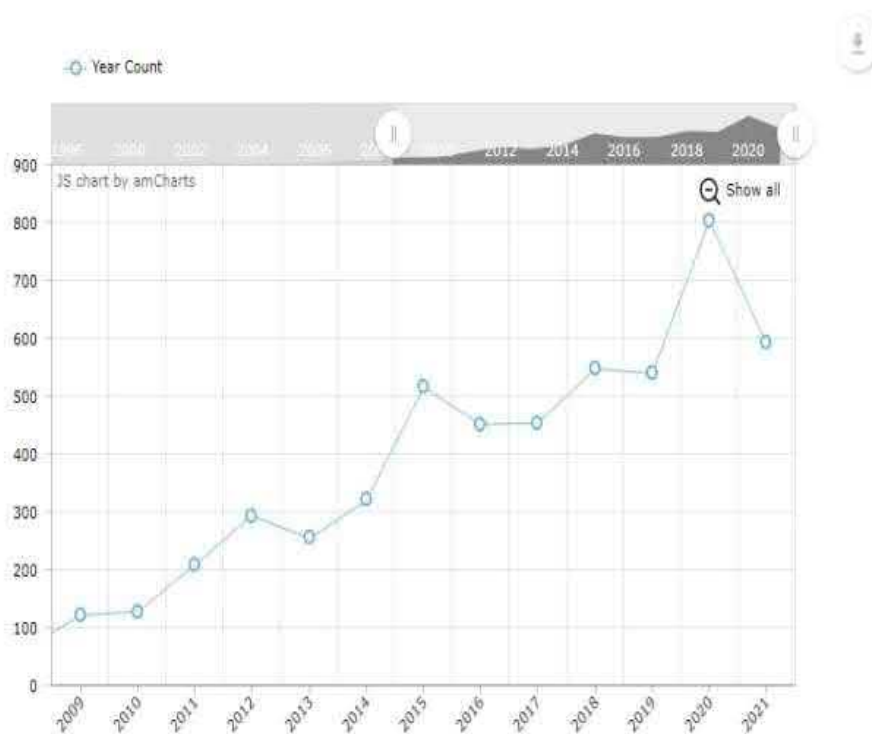
MGR Research Engine works on a hybrid principle. Every available online research data will be extracted by analysts and assigned to each faculty in an auto-generated profile. Online research data is limited to publications and patent data for each faculty. Other publications' public profiles for each author including (as available) Scopus, Researcher ID, Google Scholar profile and ORCID ID (Now Publons) profiles are also auto-linked. Collaborations arising out of publications and patents are captured automatically and books/book chapters that are picked up through online databases are also auto-tagged. However, all other information needs to be entered by the faculty.



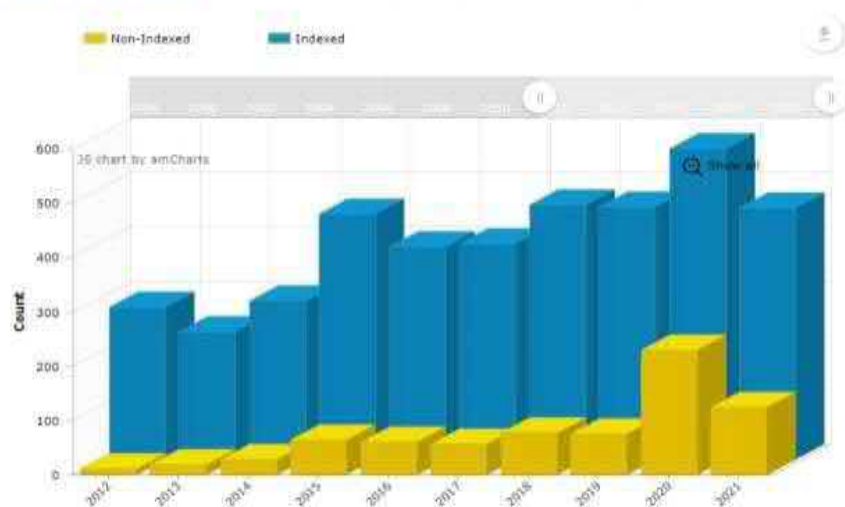
Scopus				Web of Science			
h-index	Citations	Highest SNIP	Avg. SNIP	h-index	Citations	Highest IF	Avg. IF
47	12981	1.1486	0.560	35	5877	9.710	1.363

Scopus				Web of Science			
h-index	Citations	Highest SNIP	Avg. SNIP	h-index	Citations	Highest IF	Avg. IF
47	12981	11.486	0.560	35	5877	9.710	1.363

Publication Trend [Default chart has set to last 10 years. Kindly use scroll bar to view full years]



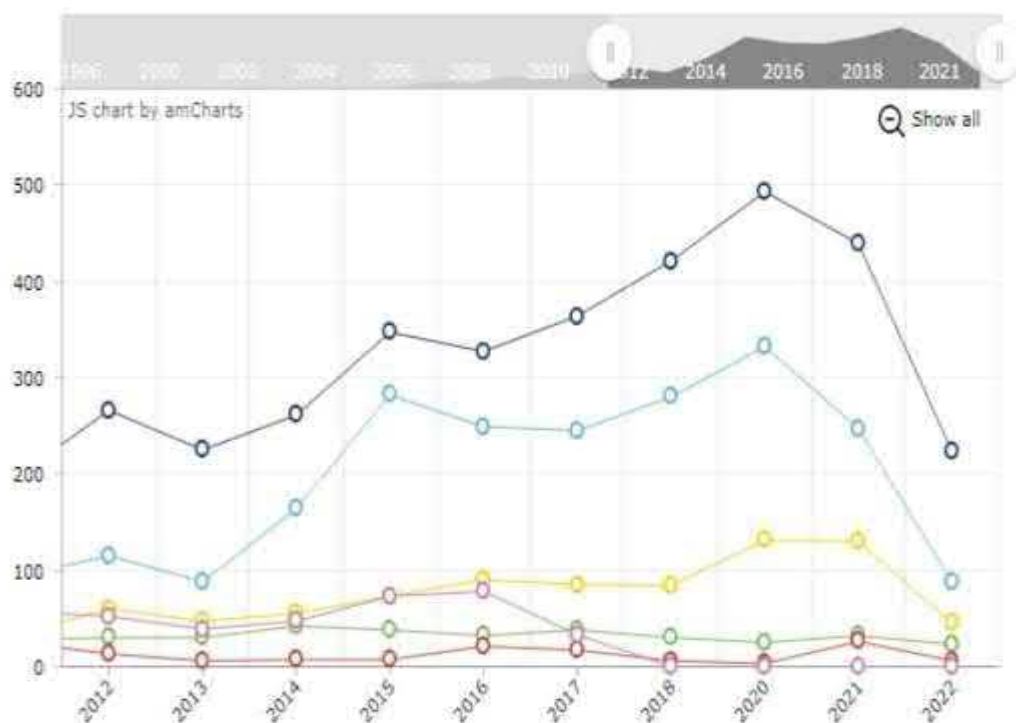
Indexed vs Non-Indexed [Default chart has set to last 10 years. Kindly use scroll bar to view full years]



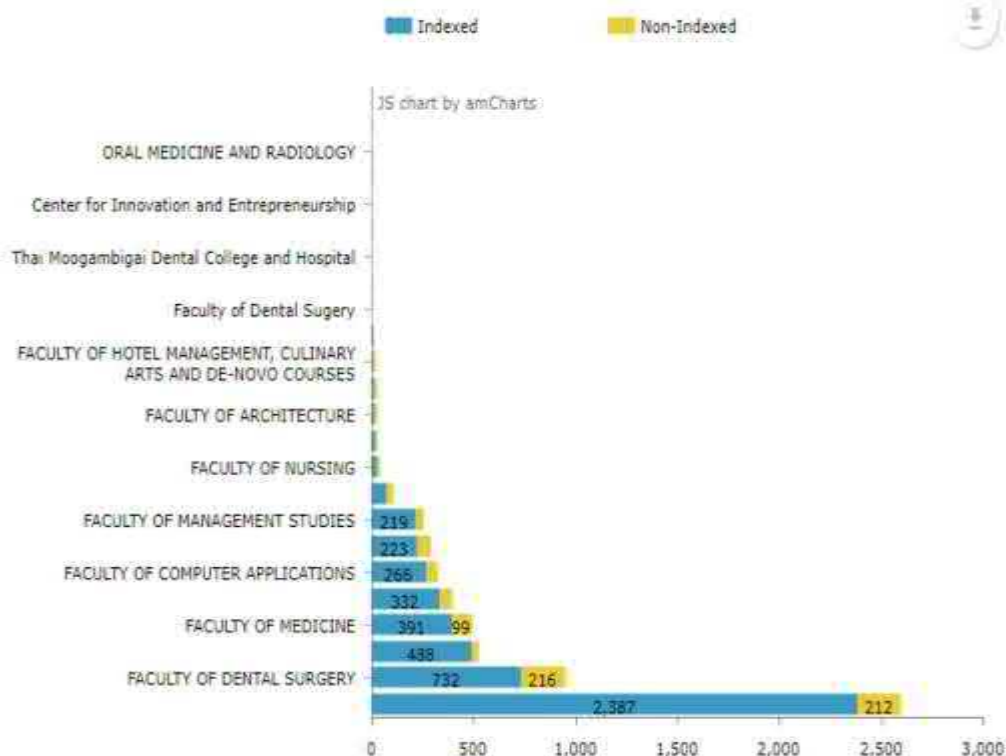
Database Analysis [default chart has set to last 10 years. kindly use scroll bar to view full years]

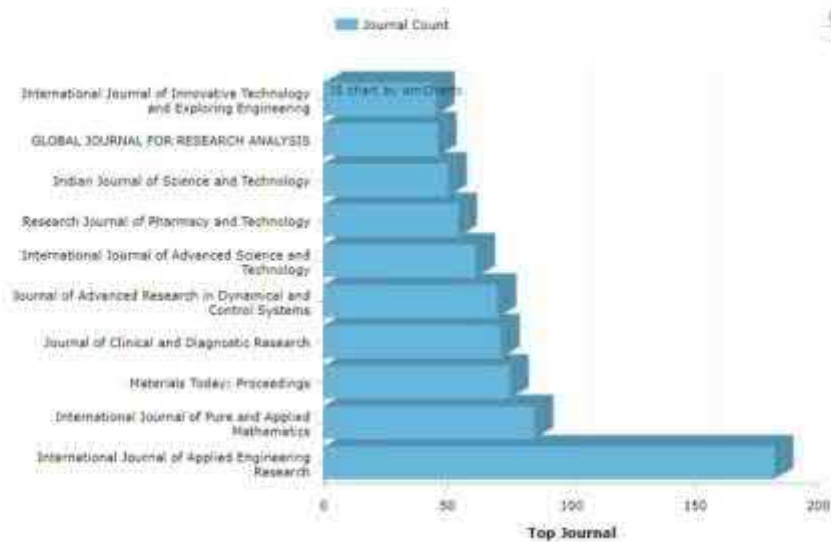


SCOPUS WOS PUBMED IEEE
ICI ISI



Publication by Campus





Country Collaborations

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India Collaborations

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Dept. Journal Club Summary

Department Journal Club Meeting Summary

DEPARTMENT	CLUB DESCRIPTION
COMPUTER SCIENCE ENGINEERING-ALAN JOURNA CLUB	Inaugurated on 2019, Conducted 8 Journal club meetings, Department H-index 15, 3 Journal club members received the Cash Reward of Rs. 5000
ECE-SCHOCKLEY JOURNAL CLUB	Inaugurated on 2016, Conducted 9 Journal club meetings.
EEE-BENJAMIN FRANKLIN JOURNAL CLUB	Conducted 15 Journal Club Meetings, Department H-index 36, 365 Publications.
MECHANICAL ENGINEERING	The department of mechanical engineering commenced its journal club activities on July 2016 with the aim to motivate its faculty and students to publish their inventions/ideas in the form of paper/books/patents etc.
CIVIL ENGINEERING	47 Journal members have Participated.
MATHEMATICS-PLANET M CLUB	Inaugurated on 2017, Conducted 8 Journal club meetings, 48 publications, 2 Awards received in 2019 and 2020, 60 Participated.
VISCOM-OSCAR JOURNAL CLUB	Inaugurated on 2021, Conducted 4 journal club meetings, 1 Journal club member received award, 12 Journal members have Participated.
COST AND MANAGEMENT ACCOUNTING- J.LEE NICHOLSON JOURNAL CLUB	Inaugurated on 2021, Conducted 3 Journal club Meetings, 10 Members have Participated.
COMPUTER APPLICATION- STEVE JOBS JOURNAL CLUB	Inaugurated on 2019, 4 Journal club meeting conducted yearly, Department 8 H-index, 3 Members received Rs. 10000 cash prize on the year 2016, 2017, 2018.
ALLIED HEALTH SCIENCE- HARVEY JOURNEY CLUB	Inaugurated on 2018, Conducted 7 journal club meeting, 32 publications.
DENTAL-G.V.BLACK JOURNAL CLUB	Every year thrice Journal club meeting conducted, 945 Publications, 1 self Publisher.
COMMERCE-DHAKSHAN KUMARAN JOURNAL CLUB	Inaugurated on 2016, conducted 6 Journal Club Meetings, Department H-index 5, 15 Publications, 1 member received incentives, 31 Participants.
B.ED-BENJAMIN BLOOM JOURNAL CLUB	Inaugurated on 2021, conducted 6 Journal club meetings, 50 webinars, 13 Research, 12 Journal member Participants.
NURSING-FLORENCE NIGHTINGALE JOURNAL CLUB	Journal club meeting conducted regularly, 3 books published, 1 Journal member rewarded with certificate.
INFORMATION TECHNOLOGY- SRIDHAR VEMBU JOURNAL CLUB	Inaugurated on 2021, Conducted 5 Journal club meetings, 53 publications, one member received 6000 rupees cash prize, 31 Journal member have Participants.
FINANCIAL PLANNING- F.W.TAYLOR JOURNAL CLUB	Conducted 9 Journal club meetings, 23 Publications, Department H-index 3, 7 Journal members have Participated.

List of Events

CVR JOURNAL CLUB EVENTS

S.N	Date	TABLE OF CONTENTS
01	19-Feb-2021	Selection of Scopus Index Journal.
02	22-Feb-2021	Guidelines in Open Access Journal.
03	23-Feb-2021	Talk on Bibliometrics
04	23-Feb-2021	Innovations in Biomedical Engineering.
05	25-Feb-2021	Techniques for an Attractive Manuscript.
06	25-Feb-2021	Essential Guidelines for Writing and Publishing a Research Paper.
07	27-Feb-2021	Perineural invasion in oral squamous cell carcinoma: Incidence, prognostic impact and molecular insight.
08	26-Feb-2021	Techniques for an Attractive Manuscript.
09	02-Mar-2021	Writing and Publishing a Research Paper.
10	01-Mar-2021	Techniques for Quick Publication of Manuscript.
11	03-Mar-2021	Strategies adopted in Research Paper.
12	28-Oct-2021	RESEARCH MIRCHI C02 - HOT ROUND TABLE DISCUSSION ON PUBLICATION.
13	03-Dec-2021	TALK ON MGR RESEARCH ENGINE AND PATENT DRAFTING.
14	29-Sep-2021	HOW TO IMPROVE AUTHOR H-INDEX.
15	20-Sep-2021	RESEARCH MIRCHI C01 - HOT ROUND TABLE DISCUSSION ON PUBLICATION.
16	18-Sep-2021	MGR RESEARCH CONFAB - C01 : RECENT ADVANCES IN COMPUTER APPLICATIONS.
17	24-Sep-2021	MGR IPR TALK S05 - IPR COMMERCIALIZATION STRATEGY AND TOOLS.
18	08-Feb-2020	Talk on Research Articles to Index Book Publication - By Dr. Ashok Kumar L.
19	17-Feb-2020	Interaction about Research Publication Challenges - By Prof. Jens Bo Holm Nielsen.
20	04-Feb-2020	Interaction with Thomson Reuters Journal Reviewers – 03.

CVR Journal Club Meeting & Events








Sir C.V.Raman Journal Club
Dr. M.G.R. EDUCATIONAL AND RESEARCH INSTITUTE
Deemed to be University
Kongu Engineering College
Presents
ESSENTIALS OF BOOK PUBLICATIONS
by **Dr. Haridrajanth R.M**
Associate Professor (Research)
MGR Institute of Management
9th MAY 2022
2.00 PM - 3.00 PM
Google Meet Link
<https://meet.google.com/dvr-rtto-pce>
Link for Registration : <https://forms.gle/3J9WPMFag8j8m9m4X0s>



Dept. Journal Club Events

Department JC Meeting Poster




Dr. M.G.R.
EDUCATIONAL AND RESEARCH INSTITUTE
(Deemed to be University)
Maduravoyal, Chennai - 600 095, Tamilnadu, India.
(An ISO 9001-2015 Certified Institution)

Sir.CV.Raman
JOURNAL CLUB


Department of Computer Science and Engineering
ALAN TURING JOURNAL CLUB

JC Meeting: 008

Special Invitee



Dr.L.Ramesh
Joint Registrar - E&P



"Tips to avoid fake Journals"

Data & Time : 04.04.2022

Time : 1.45 PM to 2.45 PM

Venue : IBM Lab – CSE Dept.

Agenda:



Presentation & Discussion of Featured Article

- 1) *Research Publication Progress Review (Each Individual)*
- 2) *External Member Tips for Publication*
- 3) *My Best Experience in Publication*
- 4) *Publication Target 2022*
- 5) *Open Forum Discussion to Clarify the Member Queries*
- 6) *AoB*

Dr.T.V.Ananthan/Dr.D.Usha
Journal Club Coordinator

Dr. S.Geetha
Dept Head

Department JC Minutes of Meeting

 Dr. M.G.R. EDUCATIONAL AND RESEARCH INSTITUTE (Deemed to be University) Madhavoyal, Chennai - 600 095, Tamilnadu, India. (An ISO 9001:2015 Certified Institution)		 Sir. C.V.Raman Journal Club	
Department Journal Club Meeting Minutes			
Journal Club Name: ENRICO JOURNAL CLUB		30.06.2021 at 2.30 PM	
1	Date		
2	Name of the Members Participated	Ms.Bhuvaneshwari Ms.saraia Dr.kumar Dr.Kavirasi Dr.Ms.Geetha Dr.Hemamalini Dr.kannan Dr.Bharathi Devi R.Aruna Ms.Jesalin jeba Dr.Nirmala Krishnan Ms.Swapna J.Jothi Dr.P. Sona Dr.Saravanan Dr.Vinoth kumar Ms.Maheshwari Ms.C.Saranya Dr.Durga Mr. Saravanan Dr.PreethamaryGeorge Ms.K. Gayathri Ms.Hemasundari Ms.Aparna Mr.Chander	
3	Agenda	1) Presentation & Discussion of Featured Article 2) Member Tips for Publication 3) My Research Publication Progress Review (Each Individual) 4) External Best Experience in Publication 5) Publication Target 2021 6) Open Forum Discussion to Clarify the Member Queries	
4	Outcome of the Meeting	Explained about shape of a thesis Essential tips to write the research article Discussed about the importance of grammar and punctuation in the sentences Explained about logical order of words Discussed about uses of abbreviations and references Faculties get enrichment of their knowledge in thesis writing	
5	Feedback to Dean – Publication Office		
6	Meeting Minutes & Photo Posted in WhatsApp Group	Yes Dr. N. S. Shubhashree Dean (E&S)	
Dr. C. Andaj Associate Professor Dr. K. Kaleswari Assistant Professor JC Coordinator			
Dean - Publication			

Department Journal Club Events



MGR Research Awards



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 University with Graded Autonomy Status



Ref: Dr.MGR /DU/C/ 2019-2020/664

Date : 22.11.2019

CIRCULAR

Sir. C.V. Raman Journal Club

Calling Nomination for "MGR Research Awards - 2018"



"Academic Success Depends on Research and Publications" – Philip Zimbardo

To become a good researcher, it requires inspiration, constant dedication and also need recognition. To make this possible, our University is extremely happy to announce open call for the nominations to the 4th edition of "MGR Research Awards - 2018" initiated by Sir. C.V. Raman Journal Club to inspire and recognize the researchers at our University.

How to nominate yourself for the award:

- Download the nomination forms from our University Website - www.drmgrdu.ac.in
- Verify whether you are fulfilling the mandatory criteria.
- Complete the form with supporting documents and ensure the documents are error free and authentic.
- Obtain the signature from the Journal Club Coordinators of concerned Departments.
- Ensure the forms is duly verified by Department Head with signature.
- Submit the "MGR Research Awards - 2018" nomination through Google Forms available in our University website. <https://forms.gle/ko4WjVTWdK5DfHkc9>
- Nominee should submit the Signed Hard Copy of the Nomination form in person to Dr. L. Ramesh, Dean - Publication, Anna Block 301, Madhavoyal E&T Campus.

The last date for the submission of nomination form is 20th December 2019.

For further information regarding nomination please contact:

Dr. E. Kavitha, Coordinator, Sir. C.V. Raman Journal Club, Mob. No. +91 9003076631.

C. P. Palaniyandhi
REGISTRAR

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1. President / Secretary / VC / Provost/PrinVC's / ED / SO - (for Kind information)
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3. Principal Director / Directors / Deans / Addl. Deans
4. All HODs - Main/Ph-III/E&S Campuses /AOs / ACs/Liaison Officers
5. Offices - Admission / Library / Accounts / CAT / Stores / Transport / Estate / Construction / Electrical Maintenance
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Calling Nomination for
MGR Research Award'19

AWARD CATEGORIES

- 1** Founder Chancellor Research Excellence Award
- 2** President Award for Researcher Attainment
- 3** C.V. R. Research Publication Premium Award
- 4** Dr. A.P.J. Abdul Kalam Research Publication Award
- 5** Thiruvalluvar Award for Literary
- 6** Take Gurtej Sandho Patent Award
- 7** J.C. Bose Research Project Award
- 8** Jorge. E. Hirsch Research Index Award
- 9** Research Collaboration Award
- 10** Research Contribution Certificate

For More Details Visit - www.drmgrdu.ac.in

MGR Research Award Policy



Sir. C.V. Raman Journal Club - RESEARCH AWARD POLICY -



Policy Statement

The Dr. M.G.R Educational and Research Institute (University) Distinguished Faculty and Student Research Award Program Policy ensures the University's commitment to the recognition of outstanding teaching faculty and Students for their exceptional outcome in Research Activities.

Purpose

The Distinguished Research Awards Program Policy establishes the guidelines and procedures to recognize and honor faculty and students who have distinguished themselves in 1) Research Publication 2) Research Project (3) Innovative Patent 4) overall excellence. The program is organized by the Office of the Additional Dean – Engineering and Technology.

Award Category

Faculty: Founder Chancellor Research Excellence Award, President Award for Research Attainment, Sir C.V Raman Research Publication Premium Award, Dr. A.P.J. Abdul Kalam Research Publication Award, Thiruvalluvar Award for Literary, Take Gurtej Sandho Patent Award, J.C. Bose Research Project Award, J.E. Hirseh Research Index Award, Research Collaboration Award, Research Contribution Certificate.

Students: Young Researcher Award, Research Appreciation Certificate, Research Project Award, and Research Patent Award.

Procedures

- **Nomination Process:** The nomination of teaching faculty and students can be made by anyone or the nominee through an application form. The nominations must be submitted directly to the Office of the Additional Dean – Engineering and Technology through Department Head.
- **Selection Process:** The President shall appoint ad-hoc selection committees for each award, the membership of which will not be made public, and shall name the Chairpersons in confidence. The selection committees shall consist of tenured teaching faculty members, one from each academic college/school selected to impartially represent each discipline in the academic college/school. President's Office shall announce a deadline and immediately thereafter the selection process shall begin. The committee shall develop the specific rules under which they will operate for approval by the Vice Chancellor or his/her nominee.

Annual Award Function

The Annual Award function is scheduled in the month of March each year in remembrance of Sir C.V Raman. This day is called as "Research Day" for the University. The eminent chief guest will deliver the address and distribute the Awards and Certificates with Honourable President of Dr. M.G.R. Educational & Research Institute University.

MGR Research Award Criteria



Sir. C.V. Raman Journal Club - RESEARCH AWARD CRITERIA -



A01 - Founder Chancellor Research Excellence Award

- This award will be presented in University level Top achievements.
- The faculty member ranked First in criteria (1 & 8 - Total No. of papers published in Journal & Conference), (1.1 & 8.1 No. of Journal & Conference Publications as First Author), (5 - Total H-Index value of published Journal), (6 - Highest H-Index value of Published Journal) and overall contribution in all the fields will receive the top most Founder Chancellor Research Excellence Award.

A02 - President Award For Researcher Attainment

- This award will be presented in University level Top achievements.
- The faculty member ranked Second in criteria (1 & 8 - Total No. of papers published in Journal & Conference), (1.1 & 8.1 - No. of Journal & Conference Publications as First Author), (5 - Total H-Index value of published Journal), (6 - Highest H-Index value of Published Journal) and overall contribution in all the fields will receive the top most President Award For Researcher Excellence.

A03 - Sir. C.V. Raman Research Publication Premium Award

This award will be presented in Department level – Those who have highest and total H-Index value in reputed Journal will receive this award. Those who received award in category A01 & A02 are not eligible to participate in this A03 category.

A04 - Dr. A.P.J. Abdul Kalam Research Publication Award

This award will be presented in Department level – Those who have more no. of papers in Journal & Conference in Scopus will receive this award. Those who received award in category A01, A02 & A03 are not eligible to participate in this category.

A05 - Thiruvalluvar Award for Literary

- This award will be presented in University level Top achievements.
- Faculty who top ranked in writing Books / Chapters / Monograph / Monogram / Authored will receive this award

A06 - Take Gurtej Sandho Patent Award

- This award will be presented in University level Top achievements.
- Faculty who top ranked in No. of Patents filed, No. of Patent Journal published, No. of Patents granted & Total Amount Generated through Patented Product

A07 - J.C. Bose Research Project Award

- This award will be presented in University level Top achievements.
- Faculty who has received the Funded Projects will eligible for this award.
- Faculty who has procured more No. of Consultancy project.
- Faculty who generated maximum fund through Consultancy Project.

Research Awards (2016-2021)



Research Awards (2016-2021)





Research Award Appreciation Circular



Ref:Dr.MGRDU/REG/2019-20/11051297

11.05.2020

CIRCULAR

With reference to the circular Ref: Dr.M.G.R /DU/C/2019-2020/1248, we are happy to appreciate the staff members who have taken due efforts to publish their papers in Scopus & WoS indexed journals for the month of January 2020. We are also pleased to announce the "CVR JC STAR AUTHOR" of January 2020.

	<p>CVR JC STAR AUTHOR January 2020</p>		<p>Dr. V. Karthikeyan Department of EEE</p>
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The details of authors and publications are listed hereunder with reference to <http://dmgrdu.researchence.com/>

SN	FA (First Author) CA (Co Author)	DEPT.	Publisher
1	FA -V. Karthikeyan	EEE	Springer - Web of Science
2	FA - K Rajan	MECH	T&F - Web of Science
3	FA -V. Karthikeyan	EEE	Springer - Web of Science
4	FA -N. Ethiraj CA - T. Sivabalan, B. Sivakumar, S. Vignesh Amar, N. engadeswaran, K. Vetrivel	MECH	IJE Trans - Scopus
5	FA - S Ponnuthumari	Commerce	IJAST - Scopus
6	CA - K. Sujatha, V. Karthikeyan & R. Shobarani	EEE & CSE	Springer - Scopus
7	FA -C. N. Hemalatha CA - Haripriya, P. Sharmili, N. Harikrishnan	Faculty of Pharmacy	JPRS -Scopus
8	FA -Vasanth M P CA -Purushotham KG, Sathish M, Vimal Raj D and Venkatesh M	IBT	IJRPS - SCOPUS
9	FA -T. VenkataSatyaVivek CA - V.N. Rajavarman; SrinivasaRaoMadala	CSE	ISP - Scopus
10	FA - K. Sujatha	EEE	Springer - Scopus
11	CA - M.Anand	ECE	TEST- Scopus
12	FA - K. Sujatha CA - V. KarthikeyanR. RajeswariHari and C. Kamatchi	EEE, IBT	Springer - Scopus
13	CA - M.Anand	ECE	TEST - Scopus
14	CA - M Janaki Rani	ECE	TEST - Scopus

The CVR JC's Publication Book for January 2020 is also attached with the Circular along with the summary of the work. For any queries on the list of publications, kindly contact Dr.L.Ramesh, Dean (EPA)

C. B. Palanisundar
Registrar

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MGR Research Award Abstract

Dr. M.G.R.
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Dr. M.G.R. Educational and Research Institute
Dr. M.G.R. Educational and Research Institute
Dr. M.G.R. Educational and Research Institute

DRMGR RESEARCH PUBLICATION APPRECIATION

AUGUST 2021


Sir.
C.V.Raman
Journal Club

DR MGR-RESEARCH PUBLICATION APPRECIATION-AUGUST 2021

PAPER TITLE	EFFECTIVE INHIBITION OF INSULIN AMYLOID FIBRIL AGGREGATION BY NICKEL(II) COMPLEXES CONTAINING HETEROCYCLIC THIOSEMICARBAZONES
AUTHORS	GOMATHI, KANNAYIRAM; HARIBABU, JEBITI; SARANYA, SIVARAJ; GAYATHRI, DASARARAJU; JEYALAKSHMI, KUMARAMANGALAM; SENDILVELAN, SUBRAMANIAN; ECHEVERRIA, CESAR; KARVEMBU, RAMASAMY
JOURNAL NAME	EUROPEAN BIOPHYSICS JOURNAL WITH BIOPHYSICS LETTERS Published: 29 August 2021

ABSTRACT

The sensitivity of protein molecular structures makes them susceptible to aggregation in conditions unfavorable for the maintenance of their native folds. The aggregation of proteins leads to many disorders, but the inhibition of amyloid fibril formation using metal-containing small molecules is gaining popularity. Herein we report the effect of nickel(II) complexes (**N1**, **N2**, **N3**, and **N4**) bearing thiosemicarbazones on the inhibition of amyloid fibril formation by insulin. The interactions of the complexes with amyloid fibrils were investigated using various biophysical techniques, including light scattering, intrinsic fluorescence assay, thioflavin T (ThT) assay, and Fourier transform-infrared spectroscopy. The results revealed that the phenyl-substituted **N3** was an efficient inhibitor of amyloid fibril formation and maintained the insulin in its native structure despite conditions promoting fibrillation.

PAPER TITLE	EXPERIMENTAL INVESTIGATION ON THE USAGE OF PROCESSED OIL AS A SOURCE T DIESEL ENGINE
AUTHORS	DEVARAJ RANGABASHIAM., S SENTHIL KUMAR., K RAJAN., K LOGESH., M VINAYAGAM
JOURNAL NAME	BIOMASS CONVERSION AND BIOREFINERY,PUBLISHED: 03 AUGUST 2021

ABSTRACT:

Processed oil (HTO) is paraffin-based biofuels derived from many edibles and non-edible sources. HTVO shall be employed in engines as blended fuel with diesel or as neat fuel without or with any major modifications. However, the production of edible resources competes with food production. Hence, alternative non-edible and waste oil will be in high demand over the upcoming years to felicitate the significant replacement of fossil fuels. In this study, catalytic processing of non-edible and waste seed oil derived from custard seeds (HTCSO) was employed to produce fuels as a substitute for the transesterification process. The application of processed treatment will significantly increase in the transport sector in the coming years. This study investigates the extensive study on HTCSO on engine performance and emission patterns of a 4-stroke (Kirloskar AV1), 5.5 kW diesel engine. Ignition patterns were computed at different conditions by altering HTCSO percentage (25 and 50% volume) compared with diesel. Twenty-five and 50% volume of HTCSO blended with 75 and 50% of petrodiesel is referred to as HTCSO25D75 and HTCSO50D50, respectively. HTCSO/diesel blends show that the thermal brake efficiency (BTE), in general, was found to be increased, and brake-specific fuel consumption (BSFC) decreased with increased volume fraction of HTCSO in the blends. NOx CO, HC, and smoke opacity were found lower for all HTCSO blends than diesel at all load conditions. It shall be decided from the experimental research that HTCSO is a potential alternative to diesel fuel.

PAPER TITLE	MALONDIALDEHYDE, AN OXIDATIVE STRESS MARKER IN ORAL SQUAMOUS CELL CARCINOMA—A SYSTEMATIC REVIEW AND META-ANALYSIS
AUTHORS	KHADJAH MOHIDEEN., UMA SUDHAKAR., THAYUMANAVAN BALAKRISHNAN., MAZEN A ALMASRI., MANEA MUSA AL-AHMARI., HAJAR SAEED AL DIRA., MALATH SUHLULI., ALOK DUBEY., SHEETAL MUJOO., ZOHAIK KHURSHID., A THIRUMAL RAJ., SHANKARGOUDA PATIL
JOURNAL NAME	CURRENT ISSUES IN MOLECULAR BIOLOGY PUBLISHED: 28 AUGUST 2021 VOLUME 43 ISSUE 2, 10.3390/CIMB43020072

ABSTRACT:

Objective: To qualitative and quantitatively review published literature assessing the oxidative stress marker malondialdehyde (MDA) in oral squamous cell carcinoma (OSCC). Methodology: Pubmed (MeSH), Science Direct, Scopus, Web of Science, Willey Online Library, Cochrane, and Cross Reference were searched for studies assessing MDA levels in OSCC samples. Results: From the 1008 articles identified, 849 were excluded based on title and abstract screening due to duplication and irrelevance to the topic of interest. Full-text assessment of the remaining 159 articles led to the inclusion of only 46 articles that satisfied the selection criteria. Of these, only 26 studies had data compatible for quantitative analysis. The MDA levels in OSCC groups are significantly increased ($p < 0.00001$) in plasma, serum, and saliva samples in the majority of the studies evaluated. In contrast, MDA levels in OSCC tissue samples are significantly attenuated ($p < 0.00001$) compared to healthy controls, supported by fewer studies. Conclusions: The augmented MDA levels in plasma, serum, and saliva samples of the OSCC reflect the heightened oxidative stress level accurately. Further studies are required to understand the attenuated MDA levels in the tissue samples of OSCC. Correlation analysis between MDA levels with established clinicopathological prognostic markers could aid in formulating oxidative stress-based prognostication and treatment planning.

PAPER TITLE	A META-ANALYSIS IN ASSESSING OXIDATIVE STRESS USING MALONDIALDEHYDE IN ORAL SUBMUCOUS FIBROSIS
AUTHORS	KHADJAH MOHIDEEN., CHANDRASEKARAN KRITHIKA., DR. NADEEM JEDDY., SAMEENA PARVEEN., DR T RADHIKA
JOURNAL NAME	EUROPEAN JOURNAL OF DENTISTRY

ABSTRACT:

This study aimed to evaluate the oxidative stress (OS) marker Malondialdehyde (MDA) in oral submucous fibrosis with available literature. **Materials and Methods** We conducted a literature search electronically in PubMed (MeSH), Science Direct, Scopus, and Google Scholar using specific keywords. **Results** A systematic search in PubMed, Science Direct, and Google Scholar identified 334 articles. Of these, four were duplicate reports, and three were animal studies. After reading the abstracts of the collected articles, 288 articles were excluded for the following reasons: low quality, not relevant to the research question, or did not meet the inclusion criteria. The remaining 46 articles were chosen for full-text assessment. Finally, the present qualitative synthesis included 23 articles for evaluation.

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Scientific publication is an important component for academic development.

Sir CV Raman Journal Club of Dr. M.G.R. Educational and Research Institute is proud to launch Research Challenge titled "MGR PUBLISH 999CHALLENGE 2020" (Starts March 2020- Ends March 2021).

The Primary objective of "MGR PUBLISH 999 CHALLENGE 2020" is to bring out 999 first author research publications with an expected target of 2K publications including articles of co-authors before March 2021.

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- 3) Conditions for first author publication:
 - Should be the first author of a WOS/ Scopus indexed journal with MGR affiliation, based on 1 or 2.
 - Co-authors could be from the same/ different institutions.
- 4) Conditions for Co-author publication:
 - The first author of the paper should be from another institution or industry and not from within the University / Department.
- 5) Nominations of each manuscript should be claimed by only one author, even if the article is published by multiple authors of the University.

We hope most of our faculty members would have submitted manuscripts during this lockdown period (i.e. from 23rd March 2020 onwards) that can be considered for the challenge. We request you to further follow the submitted papers and take sincere efforts to publish the same towards the above mentioned indexed journals and reap rich benefits.

It is compulsory for all the staff members to participate in the challenge. Those who are yet to submit the manuscript are strongly advised to do so at the earliest.

The Big Step-What Next?

A) MGR PUBLISH 999 CHALLENGE 2020 – General Category

(General category applies to those who publish 2 papers totally)

1. Register and participate in the MGR PUBLISH 999 CHALLENGE 2020 (Link for registration is available in MGR Research Engine (Powered by Rescargence) in the account of individual staff ids)
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4. Click the "MGR PUBLISH 999 CHALLENGE 2020" General Category Button.
5. Link the papers in MGR Research Engine (Powered by Researgence) where they would be auto-captured for MGR PUBLISH 999 challenge. Finally click the completion tag and submit.
6. Completion certificate will be communicated directly to Dean EPA Office
7. Dean EPA Office will fix appointment with the Vice Chancellor and distribute the certificate.

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2. Link the additional two papers in MGR Research Engine (Powered by Researgence) where they would be auto-captured for MGR PUBLISH 999 challenge. Finally click the completion tag and submit.
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C) MGR PUBLISH 999 CHALLENGE 2020 – Appreciation Reward

Awards and Appreciations will depend on the following categories:

- a) Department(s) with maximum number of publications.
- b) Department(s) with highest cumulative Journal H index.
- c) Department(s) with highest IF publication.
- d) Department(s) with Highest H index papers.
- e) Faculty with maximum number of publications.

Last date for the challenge will be 31st March 2021 and papers will be evaluated based on the suitable category for appropriate appreciations.

It is mandatory for all Executives, Deans, Heads and Staff Members of all Departments & Research Centres to participate in the MGR PUBLISH 999 CHALLENGE 2020.

Any further queries can be addressed to Dr L. Ramesh (Dean EPA)

Note 1: Present Researgence software will be called as MGR Research Engine from 19th October 2020 onwards.

Note 2: The MGR PUBLISH 999 CHALLENGE 2020 start button will be activated in the MGR Research Engine from 19th October 2020 onwards.

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1	DEPARTMENT	DATE	TIME	NO. OF STAFFATTENDED
2	ECE	20/10/20	12.20PM	18
3	EEE	21/10/20	12..30PM	12
4	NURSING	2/11/20	11.00AM	13
5	DENTAL	2/11/20	12PM	50
6	PHYSIOTHERAPY	2/11/20	2.00PM	27
7	B.ED	2/11/20	3.00PM	5-
8	MBA	3/11/20	10.30AM	12
9	MATHS	3/11/20	11.30AM	11
10	PHARMACY	3/11/20	2.00PM	17
11	FIRSTYEAR	4/11/20	11AM	39
12	PHASEIICAMPUS	4/11/20	2.00PM	45
13	RAJA RAJESWARI MEDICAL COLLEGE, BANGLORE	4/11/20	3.00PM	65
14	COMPUTER APPLICATIONS	5/11/20	2.00PM	24
15	HMCT	5/11/20	2.30PM	25
16	FINANCE PLANNING	6/11/20	2.00PM	6
17	CSE	6/11/20	3.00PM	17
18	IT	6/11/20	3.00PM	5
19	COMMERCE	9/11/20	2.00PM	25
20	ENGLISH	9/11/20	2.00PM	19
21	IBT	9/11/20	3.00 PM	18
22	AHS	10/11/20	12PM	51
23	MECH	16/11/20	2.00PM	16
24	ARCH	17/11/20	12.30PM	35
25	CIVIL	17/11/20	3.00PM	12
26	CHEMICAL	17/11/20	3.00 PM	6
27	MEDICAL	30/11/20	2.00 PM	67



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