



CAS Bulletin **Science section**



Volume: 6, Issue No.: 1, March 2021

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Prepared by

VIVA Library Team,

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Website:

www.vivacollege.org/library.aspx

Library Collection

(As on 31st March 2021)

Total Books: 53742

Non-Book Materials

Periodical: 69

CDs: 254

Journals: 41

Maps: 51

Magazines: 27

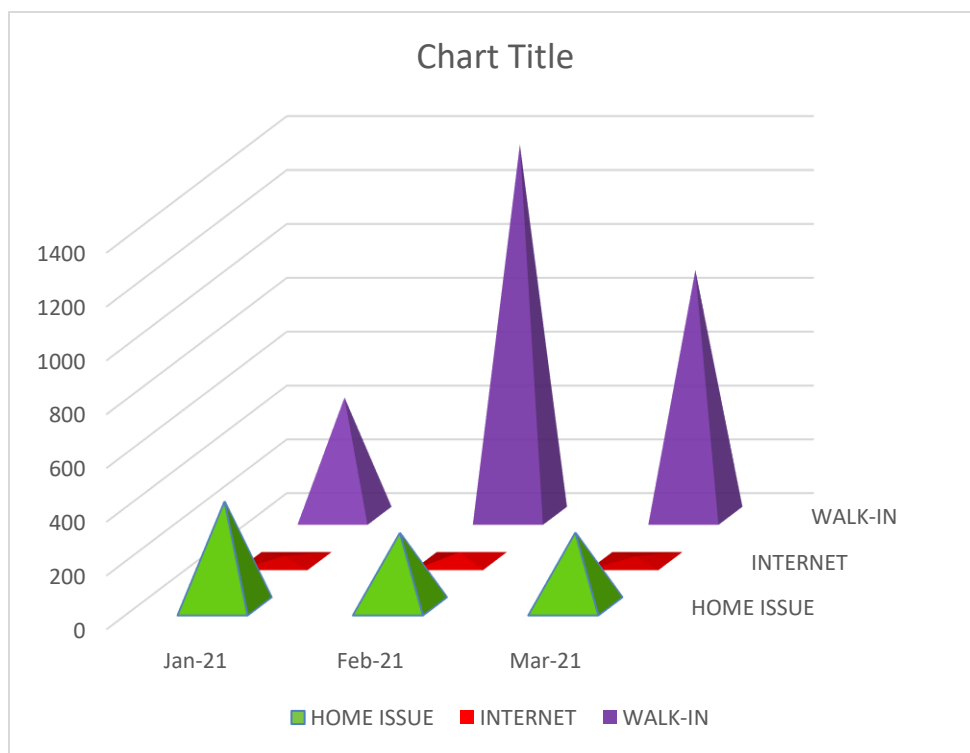
E-resource: N-List (consortium) Including
6000+ E-journals & 31,35,000+ Ebooks.

Newspapers: 33

Institutional Membership of American Library

Library Usage Statistics

MONTH	HOME ISSUE	INTERNET	WALK-IN
Jan-21	391	20	440
Feb-21	274	33	1379
Mar-21	275	18	913



Library Activity 2020-21

National Youth Day

The VIVA Library organized a talk on “**Youth Day**” on 12th January 2021 to commemorate the Birth Anniversary of Swami Vivekanand.

The event was well received and appreciated by faculty members and other staff.

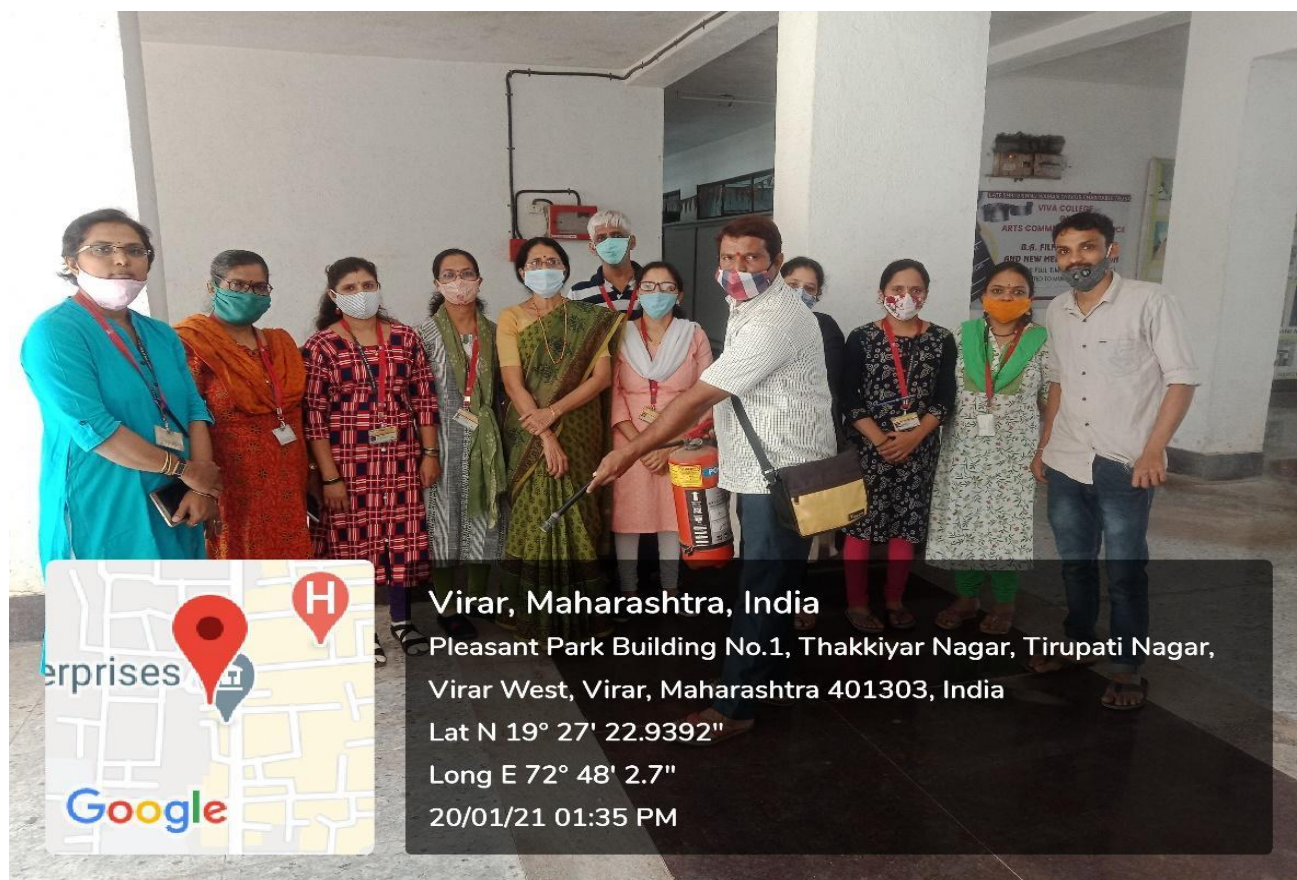


Training Programme on fire safety

Library Activity 2020-21

The training on fire safety and preventive measure were organized on 20th Jan 2021 for library staff. Mr. Harish Koli a well-known fire safety trainer was invited to train and educate library staff on fire safety and preventive measure. Mr. Harish Koli demonstrated various types of fire extinguishers and how to operate them. He also educated library staff about various safety techniques and preventive measures.

The training was very informative and valuable.

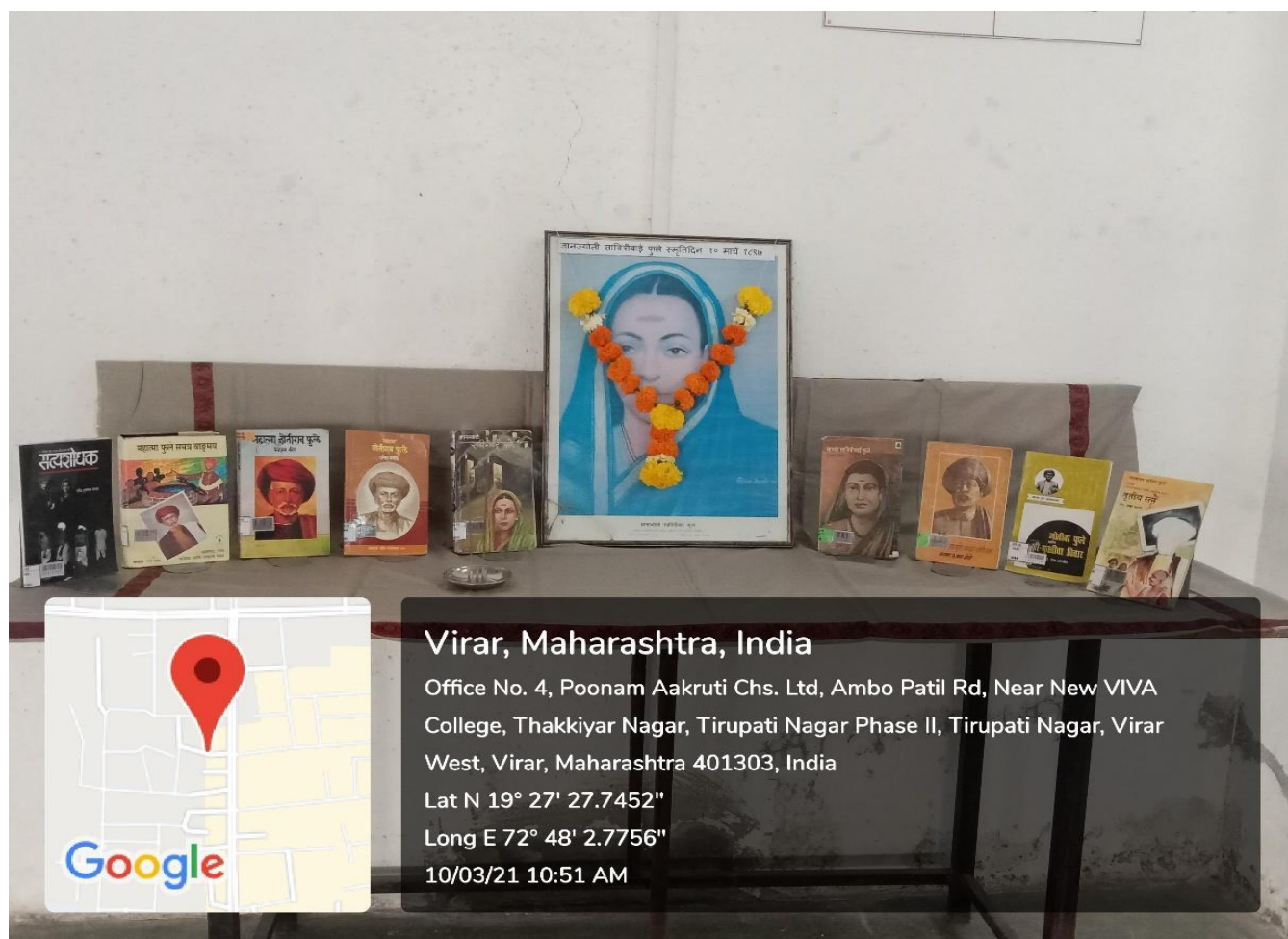


Library Activity 2020-21

Book Display

It has been a tradition and good practice of VIVA Library to tribute “Dyanjyoti Savitribai Jyotirao Phule” every year. The library displayed books on Savitribai Phule on 10 March 2021 to respect and commemorate the great social reformer and pioneer in girls’ education.

The objective of this book display was to create a sense of respect and tribute to this social reformer and scientist among students and staff members.



New Arrival Books

ACS

SR. NO.	ACC. NO	AUTHOR	TITLE	CLASS NO.
1.	ACS14467	HOYLE, KEN	BUSINESS ECONOMICS : MADE SIMPLE	330/HOY
2.	ACS14468	DAVNE, PRAVIN	ROP AMRUTACHE	828/DAV
3.	ACS14469	BLY, ROBERT. W.	TIME MANAGEMENT MAKE EVERY SECOND COUNT	658.4093/BLY
4.	ACS14470	GOLDING, WILLIAM	PINCHER MARTIN	823/GOL
5.	ACS14471	MCLAREN, IAN R.	COMMUNICATION EXCELLENCE USING NLP TO SUPERCHARGE YOUR BUSINESS SKILLS	658.45/MCL
6.	ACS14472	BLAWYN AND JONES	CHAKRA WORKOUT FOR BODY, MIND AND SPIRIT	613.71/BLA
7.	ACS14473	OSHO	DIVINE MELODY	299.93/OSH
8.	ACS14474	GAWAIN, SHAKTI	LIVING IN THE LIGHT : A GUIDE TO PERSONAL AND PLANETARY TRANSFORMATION	158.1/GAW
9.	ACS14475	PAMUK, ORHAN	MY NAME IS RED	823/PAM
10.	ACS14476	PINK, M. ALBERTON	ENGLISH GRAMMAR COMPOSITION AND CORRESPONDENCE	425/PIN
11.	ACS14477	KRAMER, PETER D.	LISTENING TO PROZAC	616.8527061/KRA
12.	ACS14478	ALBERSTON, EDWARD	THEOSOPHY FOR THE MILLIONS	147/ALB
13.	ACS14479	SCOTT, F.S.	ENGLISH GRAMMAR : A LINGUISTIC STUDY OF ITS CLASSES AND STRUCTURES	425/SCO

14.	ACS14480	SMITH, EDWARD E.	INTRODUCTION TO PSYCHOLOGY	150/SMI
15.	ACS14481	PRAAGH, JAMES VAN	HEAVEN AND EARTH MAKING THE PSYCHIC CONNECTION	133.8/PRA
16.	ACS14482	DAY, AIDAN	ANGELA CARTER : THE RATIONAL GLASS	823/DAY
17.	ACS14483	SATYAPRAKASH	CHEMISTRY IN AGNIHOTRA	294.538/SAT
18.	ACS14484	KSHEMENDRA/TRAN: HAKSAR, A.N.D.	THREE SATIRES FROM ANCIENT KASHMIR	891.28/KSH
19.	ACS14485	BYRNE, RHONDA	SECRET	158.1/BYR
20.	ACS14486	DISPENZA, JOE	BREAKING THE HABIT OF BEING YOURSELF	158.1/DIS
21.	ACS14487	NAGASWAMI, VIJAY	3'S A CROWD UNDERSTANDING AND SURVIVING INFIDELITY	158.1/NAG
22.	ACS14488	SIVADASA/TRAN : RAJAN, CHANDRA	THE FIVE AND TWENTY TALES OF THE GENIE (VETALAPANCAVINSATI)	891.23/SIV
23.	ACS14489	SENGUPTA, NILANJANA	GENTLEMAN'S WORD : THE LEGACY OF SUBHAS CHANDRA BOSE	959.053/SEN
24.	ACS14490	CROSS, NEIL	ALWAYS THE SUN	823/CRO
25.	ACS14491	LOSIER, MICHAEL J	LAW OF CONNECTION	158.9/LOS
26.	ACS14492	KAILA, H.L.	INTRODUCTION TO PSYCHOLOGY	150/KAI
27.	ACS14493	SHAKERPEARE, WILLIAM/ HATTAWAY, MICHAEL	AS YOU LIKE IT	822/HAT
28.	ACS14507	WEBSTER, RICHARD	FENG SHUI MADE EASY	133.3337/WEB
29.	ACS14508	OSHO	FORGOTTEN LANGUAGE OF THE HEART	299.93/OSH

30.	ACS14509	BHAKTIVEDANTA, SWAMI PRABHUPADA	CONSCIOUSNESS THE MISSING LINK	153/BHA
31.	ACS14510	DPS. PRES, TERRENCE	PRAISES AND DISPRAISES : POETRY AND POLITICS, THE 20TH CENTURY	801.95/DES
32.	ACS14511	OZANIEC, NAOMI	INITIATION INTO THE TAROT : A POWERFUL SYSTEM FOR PERSONAL SPIRITUAL AWAKENING	133.32424/OZA
33.	ACS14512	OSHO	TASTE OF THE DIVING	299.93/OSH
34.	ACS14513	OSHO, RAJNEESH	FROM SEX TO SUPERCONSCIOUSNESS	299.93/OSH

List of Journals

Sr.No.	Title	Frequency
Science Section		
1.	Digit	Monthly
2.	Electronics for you	Monthly
3.	Indian Journal of Biotechnology	Monthly
4.	Open source	Monthly
5.	Journal of Scientific & Industrial Research	Monthly
6.	Medicinal and Aromatic Plants Abstracts	Bi-Monthly

Contents of Journals

1. Digit

Website: www.digit.in
Vol-21 N0-2 PP-1-110

February-2021

ISSN: 74470-25140
Frequency-monthly

Articles

- Old time Postproduction Page-64
- Booman Page-67
- Hot or not Page-68
- 1000 Words page-70
- Earth Page-74
- Cutting edge Page-76
- Ignorance Page-80
- Backtalk page-87
- Geek Key Page-88
- What We lost in print Page-90
- DGT Page-92

1.1 Digit

Website: www.digit.in
Vol-21 N0-3 PP-1-110

March-2021

ISSN: 74470-25140
Frequency-monthly

Articles

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- Ahov, Android 12 Page-18
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- Hot or not Page-66
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- Ignorance Page-76
- The Ramanujan Machine Page-80
- Back talk Page-87
- Geek Key Page-88
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- DGT Page-92

2. Electronics For You

Website: <http://www.efymag.com>

ISSN: 0013-516X

Vol-53, No-2 pp.110

February -2021

Frequency: Monthly

Articles

- TRENDS: How Advanced Sensors And Actuators Are Enabling High –Tech Smarter Aircraft Page-20
- MANUFACTURING : How Ultrasound can Capture Capacitor Defects Page-27
- WHAT’S NEW : How Machine Learning Can Enhance Art Page-36
- WHAT’S NEW: Wireless Charging of Electric cars: Close To Reality Page-40
- CIRCUITS : Unleash The Untapped Potential of Memory Intelligence Page-47
- SYSTEMS: How Electronic Architecture In vehicles Is Revolutionising The Automotive Industry Page-50
- CIRCUITS: Little Things That Matter In The World of Designing Tiny Connectors Page-52
- CIRCUITS : Peltier Module Design for precision Thermal Management Page-56
- SYSTEMS : Open Source Tools That Enable Real-Time IoT Data Analytics Page-58
- SYSTEM : Cloud Based Implementation of IoT Using MQTT brokers Page-60
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- Smart Drone With Real –Time Face Recognition Page-67
- Android Application For Multi- Sensor Data Monitoring Page-71
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- Appliances Control With Yoda Module And Arduino Page-75
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- Creating A Very Basic Chatbot In python On Telegram Messenger Page-82

2.1 Electronics For You

Website: <http://www.efymag.com>

ISSN: 0013-516X

Vol-53, No-3 pp.110

March -2021 Frequency: Monthly

Articles

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- TRENDS: Blockchain To The Rescue Eliminating Fraud In Food Supply Chain Page-22
- TRENDS : Magnificent Spiral Speakers Shaped Like Nautilus Page-28
- TRENDS :Implementing Blockchain For Large Enterprise Solutions Page-41
- TRENDS :Role of Information Technology In covid -19 Research Page-45
- THE FUTURE : Hacking Humans ; 21st Century Prophecy Page-51
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- SYSTEMS: Open Source Platforms And Suites For Robotic Simulations Page-56
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- Use your Smartphone As A Smart Remote For TV And Set –top Box Page-73

3. Indian Journal of Biotechnology

Website: <http://www.niscair.res.in>

ISSN-0972-5849

Vol-20 No-1 pp -1-104

January -2021

Frequency: Monthly

Articles

- Tilling I the era of precise genome editing BY- Bhavesh Palan, Anjanabha Bhattacharya, bharat Char Page-9
- Characterization of acyl-homoserine lactonase gene from *brevibacillus brevis* strain b37 By- Syaiful Khoiri, Giyanto, Tri Asmira Damayanti Page-17
- Creation of leaderless FMDV replicon for development of replication defective virus A strategy towards the development of attenuated vaccine with market facility BY- Swaroop Sarkar, V V S Suryanarayana, G R Reddy, H J Dechamma, S R Madhan Shankar Page-26
- A strategy to develop disabled infectious single-cycle foot and mouth disease virus by 3B3 gene deletion using the infective cDNA copy of the of the genome BY- Swaroop Sarkar, V V S Suryanarayana , S Chandra Sekar, S R Madan Shankar, G R Reddy, H J Dechamma Page-35
- Anti- vibrio potential of bacterial and fungal endophytes isolated from *Datura metel* BY- Angkita Sharma, Pooja, Sushmita Rajkhowa, Tankeshwar Nath Page-43
- Novel insights into biochemical and hormonal factors regulating floral transition in mango BY- Y Bajpai, M Trivedi, M Muthukumar and A Bajpai Page-54
- Impact of heat stress on expression pattern of nine rice heat shock factor genes and its traits related to tolerance BY- Kubade Harshada V, Patil Arun H, Prabha Chaudhari and Girish Chandel Page-65
- Increased tolerance to photooxidative stress by overexpression of mitochondrial superoxide dismutase in transgenic tobacco BY- Shigeto Morita, Masato Kato, Yousuke Nakayama,Page-76

4. Open Source

Website: <http://www.OpenSourceForU.com>

Vol-09, No-05 pp108

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ISSN-2456-4885

Frequency: Monthly

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- Why AI on Edge and What's the Tech Powering it Page-34
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- The Advantages of Using WSL for Developing Linux Applications on Windows Systems Page-99
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4.1 Open Source

Website: <http://www.OpenSourceForU.com>

Vol-09, No-06 pp100

March - 2021

ISSN-2456-4885

Frequency: Monthly

Articles

- Three Reasons Why Your AI Program May Be at Risk Page-13
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5. Journal of Scientific & Industrial Research

Website: <http://www.niscair.res.in>

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Frequency: Monthly

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- Ultrasound Pre-treated Osmotic Dehydration of Elephant Apple Slices BY- Smurthimaye Mishra, Kalpana Rayaguru & Prakash Kumar Nayak Page-17
- Correlations for Fins with Impacting air Jets type Solar Air Heater BY- Abhisek Kumar Goel & S N Singh Page-23
- An Empirical Modeling and Evaluation Approach for the Safe use of Industrial Electric Detonators in the Hazards of Radio Frequency Radiation BY- Jitendra Kumar Singh ,Sujit Kumar Mandal & Gautam Banerjee Page-27
- Optimizing Plastic Extrusion Process via Grey Wolf Optimizer Algorithm and Regression Analysis BY- Aslan Deniz Karaoglan Page-34
- India,s Rank and Global Share in Scientific Research how publishing Method and Subject Selection can vary the Outcomes BY- Vivek Kumar Singh Parveen Arora , Ashraf Uddin & Sujit Bhattacharya Page-42
- Deep Learning Approach to Recognize COVID-19 SARS and Streptococcal Diseases from Chest X-ray Images BY- Kamal Kant Verma & Brij Mohan Singh Page-51
- A New Efficient Method for the Detection of Intrusion in 5G and beyond Networks using ML BY- Vikash Yadav ,Mayur Rahul & Rishika Yadav Page-60
- Machine Learning Techniques to Predict Slope Failures in Uttarkashi Uttarakhand BY- Pooam Kainthura & Neelam Sharma Page-66
- Novel Method for Wind Turbines Blades Damage Classification using Image Processing BY- M A Garduno- Ramon ,E Resendiz-Ochoa ,L A Morales –Hernandez & R A Osornio-Rios Page-75
- Organobentonite as an Efficient and Reusable Adsorbent for Cationic Dyes Removal from Aqueous Solution BY- Pooja Patanjali, Indu Chopra Abhishek Mandal & Rajeev Singh Page-80
- A study on the Torrefaction of Rice Husk as an Attempt to Enhance Its Energy Content BY- Dejene Mandefro & S Anuradha Jabasingh Page-87

5.1 Journal of Scientific & Industrial Research

Website: <http://www.niscair.res.in>

ISSN-0022-4456

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Frequency: Monthly

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- Design and Evaluation of Portable Compound Cattle Feed Pelleting Machine for Farm-level Feed Production BY- Shrinivasa D J, S M Mathur & Abhijit Khadatkar Page-105
- Solvent Treatment on Cloud Point for Dewaxing in Crude Oil Industries BY- Amita Triathy , Ganeswar Nath Gourishankar Sahoo & Rita Paikaray Page-118
- An Adaptive Tracking for Moving Targets in Shadows and poor Illuminations BY- Karthika Pragadeeswari C & Yamuna G Page-122
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- Simulation and Modelling of Hybrid Heuristics Distribution Algorithm on Flow Shop Scheduling Problem to Optimize Makespan in an Indian Manufacturing Industry BY- Harpreet Singh ,Jaspreet Singh Oberoi & Doordarshi Singh Page-137
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- Realization of Autonomous Sensor Networks with AI based Self-reconfiguration and Optimal Data Transmission Algorithms in Resource Constrained Nodes BY-Syed Ameer Abbas & Abirami Page-149
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- Combination of Woody and Grass type Biomass Waste Management Influence of Process Parameters Yield of Bio-oil by Pyrolysis and its Chromatographic Characterization BY- C Sowmya Dhanalaksmi, P Madhu ,A Karthick & R Vignesh Kumar Page-172
- Utilization of Eureka Lemon Peel for Development of Value Added Product BY- Pawandeep Kour, Neeraj Gupta & Jagmohan Singh Page-181

5.2 Journal of Scientific & Industrial Research

Website: <http://www.niscair.res.in>

ISSN-0022-4456

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- Utilization of Iron Ore Tailings for Brick Manufacture from Donimalai Mines of Karnataka India BY- Ranjeet Kumar Singh ,Debjit Pal,Shailendra Kr Signh Nimisha Tripathi & Raj S Singh Page-210
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6. Medicinal & Aromatic Plants Abstracts

Website: mapa@niscair.res.in

Vol. 43 No.1 PP-1-238

February-2021

ISSN-02504367

Frequency-Bi-Monthly

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Suggestions/ feedback

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Department: _____

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