



## **CAS Bulletin** **Science Section**



**Volume: 4, Issue No.: 2, June 2019**

### **Content**

Prepared by  
VIVA Library Team,  
Tel.: 0250-2515278  
E-Mail: [Library@vivacollege.org](mailto:Library@vivacollege.org)  
Website:  
[www.vivacollege.org/library.aspx](http://www.vivacollege.org/library.aspx)

Library Collection & Usage Statistics	2
Events	3
New Arrival Books	4
List of Journals	4
Contents of Journals	5
Suggestions/ feedback	32

## Library Collection

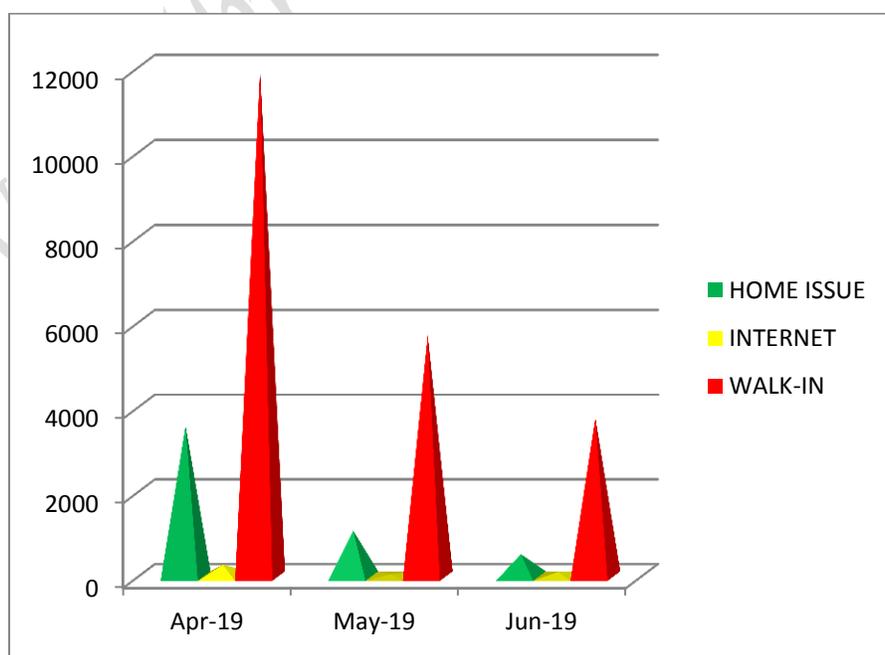
(As on 30<sup>th</sup> June 2019)

Total Books:	51600+	Non-Book Materials
Periodical:	71	CDs: 254
Journals:	41	Maps: 51
Magazines:	30	E-resource: N-List (consortium) Including 6000+ E-journals & 31,35,000+ E-books.
Newspapers:	33	

### Institutional Membership of American Library

### Library Usage Statistics

MONTH	HOME ISSUE	INTERNET	WALK-IN
Apr-19	3553	271	11949
May-19	1073	44	5696
June-19	518	99	3740



## Library Activity 2019-20

### “International yoga day”

21<sup>st</sup> June is declared as “**International yoga day**” on this occasion VIVA College Library celebrated International yoga day and displayed books on yoga.



## New Arrival Books

### Culinary Art

ACC.NO.	AUTHOR	TITLE	CALL. NO.
BCA1	NINEMEIER,JACK D.PERDUE, JOE	DISCOVERING HOSPITALITY AND TOURISM : THE WORLDS GREATEST INDUSTRY	647.94023/NIN

## List of Journals

Sr.No.	Title	Frequency
1	Digit	Monthly
2	Electronics For You	Monthly
3	Indian Journal of Chemistry Section A	Monthly
4	Indian Journal of Chemistry Section B	Monthly
5	Indian Journal of Experimental Biology	Monthly
6	Indian Journal of Pure & Applied Physics	Monthly
7	Journal of Scientific and Industrial Research	Monthly
8	Open Source	Monthly
9	PC Quest	Monthly
10	The IUP Journal of Computer Science	Quarterly

## Contents of Journal

### 1. Digit

Website: [www.digit.in](http://www.digit.in)

Vol-, 19 N0-04 PP-1-110 April-2019

ISSN: 74470-25140

Frequency-monthly

#### Articles

- Linux machine for PC gaming Page-28
- Top 3 Recommended Buys Page-31
- Take My Money Page-32
- Devworx Microsoft Game Sack Page-42
- Teardown Samsung Galaxy 510 and S10e Page-46
- Rotten Eggs Page-65
- Card game versions of board games Page-66
- The Deccan Traps Page-72
- Finding the cure Page-74
- Seven minutes of Terror Page-78
- The future of ASOIAF Page-88
- Indian Sci-Fi TV Shows Page-90
- Monopoly GoT Edition Page-96
- Metro Exodus Page-98
- Devil May Cry5 Page-100
- Get rich streaming Page-106

### 1.2 Digit

Website: [www.digit.in](http://www.digit.in)

Vol-, 19 N0-05 PP-1-110 May-2019

ISSN: 74470-25140

Frequency-monthly

#### Articles

- What makes app work Page-14
- A fool's errand Page-22
- Killer rigs Page-27
- DevWorx: In Your genes Page-28
- Booman hates April Page-46
- Emerald Icebergs Page-52
- Origins Typefaces Page-54
- The Kuiper cliff Page-58
- Tractor Beams Page-62
- Famous Equations Page-82
- Living Planets Page-84
- India's e sports potential Page-88
- ESL One Mumbai 2019 Page-106

## 1.3 Digit

Website: [www.digit.in](http://www.digit.in)

Vol-, 19 N0-06 PP-1-110 June-2019

ISSN: 74470-25140

Frequency-monthly

### Articles

- UI Design for India Page-18
- Devworx: AI platform wars Page-28
- The Quantum physics of Endgame Page-44
- Diary –Raaabo is back Page-46
- Pillars of Light Page-94
- Machine Learning in drug discovery Page-96
- Origins of Gene Mapping Page-98
- Imaging a Black Hole Page-100
- The Perfect MMORG Page-116
- The Epic Dilemma Page-118

## 2. Electronics For You

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

Vol-51 No-04 pp-124 April -2019

ISSN: 0013-516X

Frequency: Monthly

### Articles

- Smart Inspection Technologies Reduce Industrial Opex Page-18
- GREEN TECH: Greg Moran, co- founder and chief executive officer zoomcar “An EV is about eight to ten times cheaper as compared to an IC car Page-22
- INTERNET OF THINGS : How Business Processes are Evolving with the IoT Page-26
- CONNECTIVITY ; Wi-Fi In 60GHz Band to Solve Bandwidth Challenges Page-30
- INTERNET: Communication and Internet Technology How It All Began Page-32
- HEALTHCARE: Marvels of the Emerging Healthcare Technologies Page-38
- HEALTHCARE: Electronic Pill the Holy Grail of Healthcare Technology Page-44
- ARTIFICIAL INTELLIGENCE : AI in Healthcare will AI Replace Doctors Page-50
- TEST & MEASUREMENT: Testing in a Multi –Converged World: page-55
- TEST & MEASUREMENT: How High-Quality Testing of Medical Devices is Ensured Page-57
- INFORMATION TECHNOLOGY : Optimising Data Data Centres a Must to Shape the Smart Cities of Tomorrow Page-60
- EMBEDDED : Latest Technologies to Enhance the Performance of Memories Page-62
- DESIGN : HDI PCB Technology Enhancing the Performance of Equipment Page-64
- ACADEMIA : Centres of Excellence Must for Shaping the Future Page-68
- Smart Glove to Predict Epilepsy Page-94
- Intelligent Drone for Industrial Inspections Page-95
- Innovative Air Purifiers to Improve Indoor and Outdoor Air Quality Page-95
- AI-Powered Camera that Can be Your Video Director Page-97
- A Sticker to Reduce Electromagnetic Radiation Page-98
- Software for Healthcare and Design Applications Page-102

## 2.1 Electronics For You

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

Vol-51, No-05 pp.126

May-2019

ISSN: 0013-516X

Frequency: Monthly

### Articles

- SOFTWARE; business Intelligence Tools That Enhance productivity Page-16
- SECURITY: Karen Ravindranath director-IoT ,WebNMS: For any business having an internal team for the IoT security is compulsory Page-22
- GREEN TECH: Building Environment Friendly Spaces Page-24
- INTERNET OF THINGS : Smart Cities and the IoT A Relationship to Build the Future Page-28
- TECH FOCUS : A Guide for Building Sustainable Smart Cities Page-30
- ARTIFICIAL INTELLIGENCE : AI in e-Waste Management Dig Gold and Burn the Shit Page-42
- INTERNET: Communication and Internet Technology Interconnecting Networks Page-48
- EMBEDDED : New Chips on the Block Making SoCs Outdated Page-55
- An Amalgamation of Robotics and AI Page-98
- FUNDING : Somshubhro Pal Choudhury partner Bharat Innovation Found Look for opportunities to partner rather than build the entire solution on your own Page-100

## 2.2 Electronics For You

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

Vol-51, No-06 pp.124

June-2019

ISSN: 0013-516X

Frequency: Monthly

### Articles

- City Scale Surveillance being powered by AI Page-16
- SAFETY: How to Prevent Electrical Faults Page-24
- COMMUNICATION ; How Technology is Enabling Communication with Animals Page-26
- AUTOMOTIVAL: Decoding an Electric Vehicle Page-32
- ARTIFICIAL INTELLIGENCE: AI for Ocean Exploration Is an AI Colony possible in the Deep-Sea Page-38
- INTERNET : Communication and Internet Technology More About Interconnecting Networks Page-42
- EMBEDDED: Greater Functionality Demands Higher Levels of Technology Page-48
- COMPUTING : Building a cloud Strategy to Boost Digital Innovation Page-52
- DESIGN : How to Minimise Electromagnetic Interference and Improve Compatibility in Medical Devices Page-54
- TECH FOCUS : Optical –Fibre Solutions for Future Data Centres Page-64
- Software for Optical Communication Page-69
- Mobile Apps for Optical Communication Page-70
- Large-Scale Face Detection by AI- Powered Streetlights page-94
- Bringing Offline Trucking Operations Online Page-95
- Energy Monitoring for Optimising Output Page-95
- Innovation for Monitoring Ionospheric Disturbances Page-96

### 3. Indian Journal of Chemistry (Section) A

Website: [www.niscair.res.in](http://www.niscair.res.in)

Issn-0376-4710

Vol-58 A no-01 pp-1-60

January-2019

Frequency-monthly

#### Articles

- A fluorescent zinc (II) –based layered complex for selective sensing of Cr<sub>2</sub>O<sub>7</sub><sup>2-</sup> and of Fe<sup>3+</sup> ions in water system BY- De-Yu Zhang, Hongming He ,Yu Zhang, Xiu-Guang Wang, \* Xiao-Jun Zhao \* & En-Cui Yang Page-9
- Investigation of structure- Property correlation in 2,2-dipyridyl diselenide based derivatives BY- Prasad P Phadnis, Sandeep Nigam Ratikanta Mishra, Amey, Wadawale ,Mukesh Kumar, Amit Kunwar, Chiranjib Majumder, K I Priyadarsini & Vimal K Jain Page-18
- A new water-soluble RH(III)- salophen complex as efficient catalyst for alcohol oxidation in aqueous medium BY- Biplab Banik, Podam Pollav Sarmah , Abhijit Dutta, Paritosh Mondal & Pankaj Das Page-29
- Effect of mesoporous ruthenium catalysts hydrogenation of phenol in vapour phase reactor BY-Jeevanandham Kayalvizhi & Arumugam Pandurangan Page-36
- Ultrasonically promoted synthesis of N-benzylmorpholine under polymer-supported phase-transfer catalysis –a kinetic study BY- Manickam Sathiyaraj, Perumal Venkatesh ,Venugopal Rajendran, Mohammadbilal Mohammadilias & Varathan Selvaraj Page- 45

### 3.1 Indian Journal of Chemistry (Section) A

Website: [www.niscair.res.in](http://www.niscair.res.in)

Issn-0376-4710

Vol-58A no-02 pp-256-304

February-2019

Frequency-monthly

#### Articles

- Catalytic conversion of microcrystalline cellulose to nanocellulose using iron oxide catalysts BY- Durga Devi Suppiah & Mohd Rafil Johan Page-265
- Studies on Palladium based bimetallic catalysts Pd-M/TiO<sub>2</sub> I –Selective hydrogenation of I –heptyne BY- A Saranya, G Vivekanandan, K Thirunavukkarasu, K R Krishnamurthy & B Viswanathan Page-271
- Study of Kirkwood –Buff integrals of selected polar and nonpolar amino acids in aqueous –streptomycin sulphate solutions at 298.15 K BY- Y Bisht & A K Nain Page-281
- Electrospun nano silver embedded Polystyrene composite nanofiber as a possible water disinfectant BY- Nirmal N Patel, Shekh, Kaushal P Patel & Rajnikant M Patel Page-288

### 3.2 Indian Journal of Chemistry (Section) A

Website: [www.niscair.res.in](http://www.niscair.res.in)

Issn-0376-4710

Vol-58 A no-03 pp-305-342

March-2019

Frequency-monthly

Articles

- Conversion of fructose into 5-hydroxymethylfurfural over mesoporous  $\text{-ZrO}_2$ -phosphomolybdc acid nanocomposite catalysts BY- Nayeem Pasha, P Krishna Kumari ,N Vamsikrishna, N Lingaiah, N J P Subhashini & Shivaraj Page-313
- Synthesis and luminescent Properties of red-emitting  $\text{Ba}_3\text{-xAl}_2\text{O}_6\text{: xEu}^{3+}$  phosphor BY- Ying Zhao, Yajie Han, Lei Shi, Lin Yang, Zhiwei Zhang, Jingmeng Jiao & Fengli Liu Page-321
- Synthesis crystal structure and properties of a 1D cadmium coordination polymer with 2,6-dimethyl-3,5-bis pyridine BY- Wen Tao Fan, Han Zhu, Quan Qing Xu, Jun Feng Kou & Feng Yi Liu Page-281
- Sonochemical synthesis of palladium nanoparticles and its electrocatalytic activity for oxidation of formic acid BY- Hong Du Xiaohui Sun & Shuxian ZhaoPage-330

### 3.3 Indian Journal of Chemistry (Section) A

Website: [www.niscair.res.in](http://www.niscair.res.in)

Issn-0376-4710

Vol-58 A no-04 pp-423-466

April-2019

Frequency-monthly

Articles

- Exploring the mechanism of conversion of monosulfiram into disulfiram BY- Vineet Kumar Singh ,Sukirti Gupta & Ashutosh Gupta Page-429
- Spectro-analytical and in vitro biological studies of novel nalidixic acid hydrazone and its transition metal complexes BY-Nagula Narsimha, Mohmed Jaheer, Palreddy Ranjith Reddy, Kunche Sudeepa & Ch.Sarala Devi. Page-436
- Synthesis and spectroscopic characterization of lanthanide complexes derived from 9,10-phenanthrenequinone and Schiff base ligands containing N, O donor atoms BY- Sikandar Paswan Afreen Anjum Avadhesh Pratap Singh & Raj Kumar Dubey Page-446
- Synthesis characterization and properties of nickel based zinc ferrite nanoparticles BY- Hemant Kumar Dubey , Chanda Verma , U S Rai, Atendra Kumar & Preeti Lahiri Page-454

### 3.4 Indian Journal of Chemistry (Section) A

Website: [www.niscair.res.in](http://www.niscair.res.in)

Issn-0376-4710

Vol-58 A no-05 pp-541-580 May-2019

Frequency-monthly

#### Articles

- Electrochemical detection of norepinephrine based on Ag/Fe decorated single walled carbon nanotubes BY-Xiaojun Hu, Liang Chen, Hai Huang, Kwangnak Koh, Xinluo Zhao, & Hongxia Chen Page-547
- pH Dependant competitive N-de-ethylation and degradation of Rhodamine B photocatalyzed by cationic surfactant stabilized ZnS nanoparticles BY- Wandibahun Warjri & Devendra P s Negi . Page-554
- Interaction of Indenopyridines with fullerene A spectroscopic and computational study BY- Chiranjit Pal, Tandrima Chaudhri, Chhanda Mukhopadhyay & Manas Banerjee Page-561
- Study of effect of ultrasonication on benzoilation of cellulose in synthesis of activated carbon for microwave absorbing material BY- G R Mishra, G Nath, & R Paikaray -567

### 4. Indian Journal of Chemistry (Section) B

Website: [www.niscair.res.in](http://www.niscair.res.in)

Issn-0376-4699

Vol-58 B no-01 pp-61-120 January - 2019

Frequency-monthly

#### Articles

- Production of chiral aromatic alcohol by acetophenone and 1-arylethanol derivatives using vegetables BY- Takamitsu Utsukihara & C Akira Horiuchi Page-69
- Synthesis and spectroscopic investigation of fluorescent compounds containing bis-pyrazole ring BY- Tiegang Ren, Guihui Li, Baowan Fan ,Tengfei Wang & Jingshun Zhang Page-75
- Antibacterial evaluation and QSAR studies of 1,2,3-triazole bridged with amide functionalities BY- C P Kaushik ,Raj Luxmi, Ashwani Kumar, Krishan Kumar & Ashima Pahwa Page-88
- Synthesis, characterization and biological study of pyrazolino and isoxazolo cycloocta indole derivatives BY- B Tamilarasan & V Sangeetha Page-96
- Unique synthesis of isochromenoindolone via reductive –oxidative cyclisation approach BY- Hari K Kadam & Santosh G Tilve Page-104
- Synthesis and pharmacological evaluation of 3-2-arylthiazolidin -4-ones as potential antioxidant anti-inflammatory and agents BY- Srinivas Marri, Ramu Kakkerla, M P s Murali Krishna ,Harikiran Lingabathula ,Narsimha Reddy Yellu & Ramchander Merugu Page-109

## 4.1 Indian Journal of Chemistry (Section) B

Website: [www.niscair.res.in](http://www.niscair.res.in)

Issn-0376-4699

Vol-58 B no-02 pp-121-258 February-2019

Frequency-monthly

### Articles

- AIFgens Rockstars at the age of Adolescence BY- Atul Goel & Ajay K Jha Page-137
- Visible light-mediated amidation of aryl diazonium salts with nitriles –A novel photo-Ritter type reaction BY- Anil K Singh Vinod K Yadav & L D S Yadav Page-140
- Delivery of a bioactive photosensitizer to natural DNA using  $\gamma$ -cyclodextrin as carrier BY- Pronab Kundu, Tirtha Mondal, Sinjan Das & Nitin Chattopadhyay Page-147
- Visible light driven photocatalytic degradation of brilliant green dye using graphene oxide/copper oxide binary composite BY- Rukhsar Banu Nutan Salvi, Chetna Ameta, Rakshit Ameta & Pinki B Punjabi Page-157
- Solvent modulated optical tuning for discrimination of  $Hg^{2+}$ ,  $Hn^{2+}$  and  $Cu^{2+}$  ions by a coumarin –functionalized azine receptor BY-Subrata Kumar Padhan, Punam Rana, Narayan Murmu, Biswa Ranjan Swain & Satya Narayan Sahu BY- 167
- Visible light photoredox catalyzed one pot Stadler-Ziegler reaction of heteroaryl amines with heteroaryl thiols at room temperature An efficient synthesis of diheteroaryl sulphides BY- Subir Panja, Puneshwar Sahu & Brindaban C Ranu Page-183
- A new Pyrrolyl-Pyranone based AIFgen with solution solid dual emissive Property BY- Ajay Kumar Jha, Deepak Purohit, Chandra Prakash Sharma, Neeraj Mohan Gupta, Kundan Singh Rawat & Atul Goel Page-192
- Solvent directed self –assembly of naphthalenediimide- tryptophan- glutamate conjugates BY- Santosh P Goskulwad, Duong Duc La, Rajesh S Bhosale, Avinash L Puyad, Sidhanath V Bhosale & Sheshanath V Bhosale Page-200
- Experimental and theoretical investigations on the photo-oxidation reaction of OH radicals with 2,3- dimethyl-1,3- butadiene in gas phase BY- S Vijayakumar & B Rajakumar Page-209
- An overview on biomolecular caging and photocleavable molecules BY- Prasanta Kumar Hota Page-219
- Exploring flavonoid –DNA interactions via photoinduced proton transfer and two color fluorescence studies perspectives and emerging frontiers BY- Pradeep K Sengupta Page-227

- Synthesis and studies of phenothiazine based AIE fluorogens BY-Neha Manav, Vani Verma Vijayalakshmi pandey ,Hilal Rather ,Rajesh Vasita & Iti Gupta Page-238
- Stilbene stilbene shining bright  $\alpha$ -Cyanostilbenes as functional organic materials BY-Beena Kumari & Sriram Kanvah Page-247

## 4.2 Indian Journal of Chemistry (Section) B

Website: [www.niscair.res.in](http://www.niscair.res.in)

Issn-0376-4699

Vol-58 B No-03 pp-343-422

March-2019

Frequency-monthly

### Articles

- Enantiospecific syntheses of oxacyclodecanes from carvone via mild Lewis acid mediated etherification BY- Adusmilli Srikrishna & Gedu Satyanarayana Page-353
- Facile enantiospecific syntheses of oxabicyclo-decene-diones from carvone via mild Lewis acid mediated lactonizations BY- Adusmilli Srikrishna & Gedu Satyanarayanan Page-362
- Synthesis of new 4-substitued -1,5,6-dihydropyridine -2 one sulfonamide conjugates and evaluation of their anti-microbial activity BY-Tonmoy Chitta Das, Syed Aziz Imam Quadri & Mazahar Farooqui Page-371
- Synthesis QSRT studies and antibacterial activity of 4-aryl-3-chloro-1- azetidn -2-ones By-srinivas Marri ,Rama Kakkerla ,& M P S Murali Krishna Page-381
- In silico study for the prediction of multiple pharmacological activities of novel hydrazone derivatices BY- Sachin H Rohane Ashlesha G Makwana Page-387
- Design of novel JNKI inhibitors using molecular modeling technique An in silico approach BY-Ashima Nagpal & Sarvesh Paliwal Page-403
- Synthesis of a novel 2-vinyl indole BY- Harindran Suhana & Muhammad Aliyu Idris Page- 416
- Synthesis of methylamine BY- Harindran Suhana & Mushabu Labaran Page-420

### 4.3 Indian Journal of Chemistry (Section) B

Website: [www.niscair.res.in](http://www.niscair.res.in)

Issn-0376-4699

Vol-58 B No-04 pp-467-540 April-2019

Frequency-monthly

#### Articles

- Synthesis cytotoxic evaluation of substituted of substituted cinnamic –based 1,2,4-triazolo thiadiazoles BY- Venepally Vijayendar ,E Vamshna ,Suunil Misra & Ram Chandra Reddy Jala Page-475
- Synthesis of novel acrylyl pyranochromen -2-one derivatives and their antibacterial activity evaluation BY- Suchita Prasad, Ayushi Mittal & Sunil K Sharma Page-482
- Synthesis and anti-microbial activity of 2H-chromenylmethylene benzohydrazides BY- B B Shivaraj, K S Hariprasad ,B Baburao Rathod ,R S Prakasham & B China Raju Page-497
- Synthesis characterization and antibacterial screening of fluorinated benzofuran containing heterocycles of fluorinated benzofuran containing heterocycles BY- S G Kundlikar ,P V Randhavane ,H N Akolkar & B K Karale Page-504
- Synthesis and biological activity of some novel isoxazoles derived from benzosuberones BY- Bandapally Ruoavani & Peesapati Venkateswarlu Page-511
- A new antimicrobial pentacyclic triterpenoid from the rhizomes of Nardostachys jatamansi DC BY- Ajay Pal Singh & Surendra Kumar Sharma Page-516
- A green synthesis of amino Schiff bases using mango water as a natural catalyst under hand grinding technique BY- Rammohan Pal Page- 516
- Synthesis and antimicrobial importance of oxazine bearing pyridine scaffold BY- N C Desai,N B Bhatt & Surbhi B Joshi Page-527

### 4.4 Indian Journal of Chemistry (Section) B

Website: [www.niscair.res.in](http://www.niscair.res.in)

Issn-0376-4699

Vol-58 B No-05 pp-581-614

May-2019

Frequency-monthly

#### Articles

- Synthesis ,molecular docking and evaluation of hypolipidemic activities of novel benzophenone carboxamide derivatives BY- Manal Al-Najdawi, Bilal Al-Jaidi, Qosay Al-Balas, Haifa,a Odetallah ,Tariq Al-Qirim ,Ghassan Shattat & Yusuf Al-Hiari Page-587
- Synthesis and antibacterial activity of novel coumarin –chalcone hybrids BY-Hemanshu T Tandel, Kishor H Chikhalia & Saurabh K Patel Page-594

- Theoretical study of the sigmatropic rearrangement of cycloprop-2-en-1-ol and fluorine derivatives pericyclic or pseudopericyclic character from NICS and LLPE BY- Sangeetha A Thaminum Asari ,Jebakumar Jeevanandam & Jayaprakash S Page-603
- Antioxidant activity of new allelochemical isolated from *Lagascea mollis* Cav BY- R N Yadava & Vijayshri Surywanshi Page-609

## 5. Indian Journal of Experimental Biology

Website: [www.niscair.res.in](http://www.niscair.res.in)

Issn-0019-5189

Vol-(A6)57 no-01 pp-1-66

January-2019

Frequency-monthly

### Articles

- Hesperetin, a Citrus bioflavonoid, prevents IL-1B-induced inflammation and cell Proliferation in lung epithelial A549 BY-Prerna Ramteke, Umesh C. S. Yadav Page-7
- Anticancer, antibacterial and antioxidant activities of *Cordyceps militaris* BY- Madhavi Joshi, Anand Sagar ,Shamsher Singh Kanwar,Sukhdev Singh Page-15
- Effect of different loads of exercise and *Nigella sativa* L. seed extract on serologic and hematologic parameters in rat By-Zahra Gholamnezhad ,Mohammad Hossein Boskabady ,Mahmoud Hosseini & Azita Aghaei Page-21
- Influence of plant genotypes growth regulators and basal media on direct differentiation of shoot buds from leaf segments of marigold BY- K Ravindra Kumar ,Kanwar Pal Singh, DVS Raju, Reeta Bhatia & Sapna Panwar Page-30
- Growth and biochemical response of an indigenous oleaginous microalga *Scenedesmus obtusus* cultivated in outdoor open ponds BY- Hitesh Jethani ,Pravin Patel ,Sandeep N Mudliar ,R Sarada & Vikas S Chauhan Page-40
- Induction of radiomutants in *Chrysanthemum morifolium* Ramat. Cv. Gul –e-Sahir for novel traits BY-Manpreet Singh ,& Madhu Bala Page-50
- Phylogenetic variations found in Indian honeybee species ,*Apis cerana* of North Western Ghats of Maharashtra BY- Rahul Gaikwad, Swapnil Gaikwad ,Yogesh Shouche & Bimalendu B. Nath Page-55
- Seasonal incidence of black scale, *Saissetia oleae* on the fern ,*Thelypteris tylodes* from western Himalaya BY- SG Eswara Reddy & Alka Kumari Page-59

## 5.1 Indian Journal of Experimental Biology

Website: [www.niscair.res.in](http://www.niscair.res.in)

Issn-0019-5189

Vol-(A6)57 No-02 pp-67-150 February-2019 Frequency-monthly

### Articles

- Hypocholesterolemic potential of probiotics: Concept and mechanistic insights BY-Bhat B & Bajaj BK Page-73
- Hormone induced spawning and embryogenesis of Cauvery carp ,Barbodes carnaticus Implications for commercial culture and conservation BY- N Basavaraja, K Pau Biak Lun ,Milind B Katare & AC Pinde Page-86
- Positive synergistic impacts of greenhouse temperature and manure driven total environment on breeding success of tilapia during winter BY-BB Jana ,Debajyoti Kundu ,Deblina Dutta ,S Lahiri SK Bag & JN Bhakta Page-96
- Effect of photoperiod and photosynthetic photon flux intensity on nutrients consumption ,growth and lipid profile of unusual microalga Picochlorum maculatum in shrimp culture effluent BY-S Dinesh Kumar ,S Ananth, P Santhanam ,A Parveez Ahamed & N Thajuddin Page-105
- Impact of gamma irradiation on growth ,yield and physiological attributes of maize BY-Achchhelal Yadav, Bhupinder Singh & SD Singh Page-116
- Bovine whey protein and other biological fluids as alternatives to fetal bovine serum for supplementing cell culture media BY- Prajakta H Paradkar, Ashok DB Vaidya Page-123
- Bacillus spp. For suppression of egg plant bacterial wilt pathogen in Andaman Islands : Isolation and characterization BY- K Sakthivel , K Manigumundan ,RK Gautam ,S Nakkeeran, A Vel Murugan , Suahil K Sharma ,K Rajarajan & S Dam Roy Page-131
- Antioxidant effect of Ferula hermonis on acrylamide induced testicular toxicity in male rat Page-BY-Nisreen Abdullah Rajesh & Areej Mohammad Al-Shehri Page-138
- Synthesis of 1-monocaprylin and evaluation of its bioactivity on angiogenesis using chick chorio-allantoic membrane assay By-Mheswari Palaniappan & Ravathi Kasthuri Page-145

## 5.2 Indian Journal of Experimental Biology

Website: [www.niscair.res.in](http://www.niscair.res.in)

Issn-0019-5189

Vol-(A6)57 no-03 pp-151-220

March-2019

Frequency-monthly

### Articles

- Effects of methanolic extract of verbascum inulifolium Hub –Mor. On incisional and excisional skin wounds in diabetic and non-diabetic rats BY- Yusuf Ozay ,Sevda Guzel ,Ebru Gokalp Ozkorkmaz ,Zuhal Yildirim , Atilla Yildiz, Ibrahim Halil Erdogdu ,Sinan Darcan ,Burcin Pehlivanoglu & Meltem Kumas Page-157
- Chemical composition and skin inflammation protective profile of pulegone rich essential oil of menthe arvensis L. BY- Anil Kumar Maurya, Janak Raj Bahl ,Anju Yadav ,Om prakash , Archana Saxena , Anirban Pal, Chandan Singh Chanotiya , Feroz Khan & Dnyaneshwar Umrao Bawankule Page-168
- Antibacterial and anticancer activities of silver nanoparticles biosynthesized using Embelia ribes Burm f. berries extracts BY- D Manikandan , D Ganna Praksh, ,J Arun ,N Nagendra Gandhi, U mani & K Kathirvan Page-175
- Growth yield and nitrogen uptake in rice crop grown under elevated carbon dioxide and different doses of nitrogen fertilizer BY-Amita Raj, B Chakrabarti, H Pathak ,SD Singh ,U Mina & TJ Purakayastha Page-181
- Physiological and morphological traits of Maize hybrids under saline water irrigation BY- B Nandhini devi & T Chitdeshwari Page-188
- Development of callus and cell suspension culture from the leaf of Adhatoda vasica Nees using economical growth media BY-Suman Kashyap & Radha D Kale Page-195
- Protease ,lipase and amylase extraction and optimization from the leaf of pulp and paper industry BY- Santosh Kumar Karn & Awanish Kumar Page-201
- Phytochemical analysis and antimicrobial evaluation of chloroform extracts of stem and roots of Scoparia dulcis L.BY- Radhika Parvataneni & Mahesh Pedireddi Page-206
- Estimation of withanolide –A in diverse genotypes of Ashwagandha withania somnifera Dunal BY-Surya Chauhan ,Arunabh Joshi, Rohit Jain & Devendra Jain Page-212
- Simultaneous extraction of pectin ,fibre ,anthocyanin and oil from mulberry pomace BY- Neelima Garg ,Preeti Yadav & Sanjay Kumar Page-218

### 5.3 Indian Journal of Experimental Biology

Website: [www.niscair.res.in](http://www.niscair.res.in)

Vol-(A6)57 No-04 pp-221-302

April-2019

Issn-0019-5189

Frequency-monthly

#### Articles

- SNP mapping and phylogenetic analysis of Saudi Arabian horse breeds based on Mitochondrial genome sequencing BY- Abdullah ,Mohamed Morsi M. Ahmed ,Mohammed H. Zainy Mutawail , Kulvinder Singh Saini ,Faten As Alsulaimany ,A. A EL Hanfy & Jamal Sabir Page-225
- Differential preference for oviposition –a Potential indicator of antixenosis in maize genotypes against *Sesamia inferens* BY-Jaswinder Kaur,Jagbir Singh, Suby SB & Pradyumn Kumar Page-231
- Variation in the gut hydrolytic enzymes of legume pod borer ,*Maruca vitrata* feeding on different pulses BY-S Sambathkumar ,C Duraijaj ,S Mohankumar ,B Preetha ,R Aravintharaj ,N Ganapathy & R Surendran Page-239
- *Phytophthora nicotianae* Breda de Haan induced stress changes in citrus rootstock genotypes BY- Kuldeep Singh ,RM Sharma AK Dubey ,Deeba Kamil, Lekshmy S, OP Awasthi & GK Jha Page-248
- Comparative analysis of saponins ,flavonoids ,Phenolics and antioxidant activities of field acclimatized and in vitro propagated *Bacopa monnieri* Pennell from different locations in India BY- Pragya Bhardwaj ,Charesh Kumar Jain & Ashwani Mathur Page- 259
- Evaluation of bioactivity of *Cucurbita pepo* L. and *Cucumis sativus* L. seed extracts BY- Gaurav M. Doshi & Preeti P. Kanade Page-269
- Hepatoprotective effects of ginger and grape and seed alone and in combination orally ,in paracetamol induced acute liver toxicity in rats BY-Nora M. Aborehab & Sylvia A Boshra BY-274
- Effects of exposure to aluminum citrate in a model of induced alveolar bone loss in rats BY- Ferreira NMM, Costa NMM, Leaoa LKR, Putya B ,Fernandes RM ,Silva –Junior AF, Silva MCF & Lima RR Page-282
- Evaluation and optimization of DNA extraction methods for benthic foraminifera from the Gulf of Kachchh, Gujarat India BY- Mrugesh H. Trivedi,Karan A. Bhatt,Aanal S .Pandit ,Neha C. Shukla Garima N. Ayachit ,Madhvi N. Joshi ,Shradha Nand Tyagi ,Snehal B Bagatharia & Subhash Bhandari Page-288

## 5.4 Indian Journal of Experimental Biology

Website: [www.niscair.res.in](http://www.niscair.res.in)

Issn-0019-5189

Vol-(A6)57 no-05 pp-303-376

April-2019

Frequency-monthly

### Articles

- Non-invasive monitoring of steroid hormones in wildlife for conservation and management of endangered species BY- Vinod Kumar & Govindhaswamy Umapathy Page-307
- Standardization and development of *Pasteurella multocida* inactivated adjuvanted vaccine against pig pasteurellosis BY- Harshit Verma, Mayank Rawat, Ashabaree Samal, Vikramaditya Upmanyu, Durairajan & Rishendra Verma Page-315
- In vitro transverse thin cell layer culture in mung bean *Vigna radiata* Wilczek BY- R Anandan, M Prakash, B Sunilkumar & T Deenathayalan Page-324
- Improved in vitro propagation and direct acclimatization of *Cryptocoryne wendtii* in aquarium in the presence of aquarium fish *Puntius tetrazona* BY- Sundus Unal, Gurel Turkmen, Bulent Yagmur, Meltem Bayraktar & Aynur Gurel Page-330
- Purification of phycocyanin from isolated and identified hot spring cyanobacteria BY- Demirel Z & Sukatar A Page- 338
- Temperature induced physiological and biochemical alterations in the paddy field cyanobacterium *Anabaena doliolum* BY- Yattapu Prasad Reddy, Ravindra Kumar Yadav, Keshawanad Tripathi & G Abraham Page-346
- Low dose e-beam irradiation consequence on plant growth promoting properties of lichenized bacteria *Enterobacter cloacae* and *Providencia rettgeri* BY- Chidanandamurthy Thippeswamy Swamy, Devaraja & Ganesh Sanjeev -353
- Response of the sub-aerial cyanobacterium *Scytonema millei* to UV-C irradiation BY- Dhanesh Kumar Nitin Keshari Pratibha Suku & Siba Prasad Adhikary Page-362
- Exploitation of morphological features of bud and anther development for prediction of stages of microsporogenesis and microgametogenesis in pepper BY- Manisha Mangal & Arpita Srivasatava Page-368
- Optimization, Mass Production formulation and antifungal activity of *Trichoderma viridae* BY- VP Zope, HP Jadhav and RZ Sayyed Page-372

## 6. Indian Journal of Pure & Applied Physics

Website: [www.niscair.res.in](http://www.niscair.res.in) January-2019 ISSN-0019-5596  
Vol-57 no-01 PP-1-78. Frequency: monthly

### Articles

- One step synthesis of Cu<sub>2</sub>ZnSnS<sub>4</sub> nanoflakes by microwave irradiation technique and effect of Cu concentration BY-S P Kandare, A B Thorat, S D Dhole & S S Dahiwale Page-7
- Effect of calcinations on the structural, optical and magnetic properties of BaWO<sub>4</sub> nanoparticles synthesized by chemical precipitation BY-Seenamol K Stephen, Aloysius Sabu N, Priyanka K P & Thomas Varghese Page-14
- Investigation of bandwidth optimization hybrid scheduling algorithm for hybrid WDM/TDM passive optical system BY-Ankur Singhal, Amit Gupta, Charanjeet Singh & R S Kaler Page-23
- Realization of resistorless floating inductor using modified CDTA BY- Dinesh Prasad, Zainab Haseeb, Mainuddin & Md W Akram Page-29
- Bispectral image fusion using multi-resolution transform for enhanced target detection in low ambient light condition BY- Divya Agrawal & Vinod Karar Page-33
- A critical assessment of simple force transducers Design and metrological considerations BY- Richa Saxena, Sanjoy Ghoshal & Harish Kumar Page-42
- High input impedance trans –admittance mode biquad universal filter employing DVCCT As and grounded passive elements Chandra Shankar & Sajai Vir Singh Page-52
- Investigation of polarization –independent wide-angle metamaterial inspired ISM –band absorber BY- Kanwar Preet Kaur & Trushit Upadhyaya Page-63

## 6.1 Indian Journal of Pure & Applied Physics

Website: [www.niscair.res.in](http://www.niscair.res.in) February-2019 ISSN-0019-5596  
Vol-57 no-02 PP-79-150. Frequency: monthly

### Articles

- 7<sup>th</sup> order harmonic suppression and wide rejection band using CSRR backed BSF BY-Shailesh Jayant, Kalpana Kaithal, Amit Birwal & Kamlesh Patel Page-85
- Current-mode biquad filter using CNTFET-based ZC-CITA BY- Laxya, Dinesh Prasad, Mainuddin & S S Islam Page-90

- Evolution of microstructure and optical properties of TiO<sub>2</sub>/Au nanocomposite BY- B B Tripathy, M Behera ,H Rath ,P Mallick & N C Mishra Page-95
- Thermoelectric Properties of InSe and AlSe bilayer thin films BY- Sarta Boolchandani ,Subodh Srivastava & Y K Vijay Page- 101
- Boundary layer stagnation –point flow over a stretching /shrinking cylinder in a nanofluid A stability analysis Nor Ashikin Abu Bakar, Norfifah Bachok & Norihan Md Arifin Page-106
- Molecular structure ,spectroscopic investigation and quantum chemical calculations of Ruthenium complex of isoniazid ligand BY- Rupal Yadav & R M Naik Page-132
- Molecular structure ,spectral analysis and antimicrobial activity of -2- amino -8-benzylidene—4-phenyl- 5,6,7,8-tetrahydro-4-H –chromene-3-carboniterile through DFT and AIM approach BY-Roop Kumar, Anil Kumar Verma ,Huda Parveen ,Shaheen Fatma ,Shaheen fatma ,Shraddha Shukla , Poornima Devi, Nishat Afza & Abha Bishnoi Page-132
- Temperature dependence of soft mode frequency ,dielectric constant and loss tangent of deuterated Rochelle salt crystal BY- Aanchal Rawat & Trilok Chandra Upadhyay Page-144

## 6.2 Indian Journal of Pure & Applied Physics

Website: [www.niscair.res.in](http://www.niscair.res.in)

March-2019

ISSN-0019-5596

Vol-57 No-03 PP-151-220.

Frequency: monthly

### Articles

- Synthesis of nanostructured thin films for resolution and diffraction length calibration of transmission electron microscopes BY- Sukhvir Singh, Dinesh Singh & Manjri Singh Page-157
- Optimizations of preparative parameters in potentiodynamic synthesis of cobalt oxide films Capacitive approach BY-S V Khavale & B J Lokhande Page-166
- Crystalline TeO<sub>2</sub> thin film with chemical bath deposition BY- I A Kariper Page-175
- Dielectric relaxation and molecular interaction investigation of glycolic acid-water mixture using time domain reflectometry BY- P Senthilkumar ,T Ganesh K Vinoth ,M Maria Sylvester,D J S Anand Karunakaran,Praveen Hudge & A C Kumbharkhane Page-180

- Finite element method analysis of propagation in a non magnetic coupled waveguide structure having a-power refractive index profile BY- sanjeev Kumar Raghuvanshi & Purnendu shekhar Pandey Page-188
- Significance of HOMO and LUMO studies on dye doped glycine lithium sulphate crystals for non-linear optical applications BY- G Suresh ,K Sahadevan ,K Sambathkumar & P Kumaresan Page-196
- Transient natural convection magnetohydrodynamic motion over an exponentially accelerated vertical porous plate with heat source BY- Ram Prakash Sharma & Ashish Paul Page- 205
- Preparation and ultrasonic study of sodium potassium tantalite mixed system BY- Manish Uniyal ,S C Bhatt & Sidharth Kashyap Page-212

### **6.3 Indian Journal of Pure & Applied Physics**

Website: [www.niscair.res.in](http://www.niscair.res.in)

April-2019

ISSN-0019-5596

Vol-57 no-04 PP-221-288

Frequency: monthly

#### **Articles**

- Effect of concentration and temperature variations on interactions in systems Viscometric and activation parametric study BY- Ashwani Kumar, Ruby Rani, Tanu Sharma & Rajinder K Bamezai Page-225
- Synthesis and NBO analysis of 3,4-dimethylanisole by density functional method BY- K Sambathkumar Page-236
- Synthesis and spectral analysis of 4-, -3,4,6,7,8,9-hexahydro-1H –cyclohepta – pyrimidin -2 –one and study of its quantum chemical and thermodynamic Properties BY- Huda Parveen ,Abha Bishnoi, Shaheen Fatma, Poornima Devi & Anil Kumar Verma Page-250
- Theoretical and experimental study of dimethyl sulfoxide and N- substituted DMSO BY- Mahadevappa Naganthappa & Ajay Chaudhari Page-261
- Vibrational Raman modes and particle size analysis of cupric oxide with calcinations temperature M R Joya ,J Barba- Ortega & A M Raba Page-268
- Compact printed hexagonal ultra wideband monopole antenna with band-notch characteristics BY- Ankan Bhattacharya , Bappaditya Roy ,santosh K Chowdhury & Anup K Bhattacharjee Page-272
- Knoop micro-hardness studies on surface of gel grown strontium tartrate dihydrate crystal BY- Sherly Joseph, H O Jethva & M J Joshi Page- 278

## 6.4 Indian Journal of Pure & Applied Physics

Website: [www.niscair.res.in](http://www.niscair.res.in)

May-2019

ISSN-0019-5596

Vol-57 no-05 PP-289-372

Frequency: monthly

### Articles

- Effects of radiation and chemical Reaction on convective nanofluid flow through a non linear permeable stratching sheet with partial slip BY- G Sreedevi Page-293
- Comparative structural and vibrational study of the two low energy conformers of Neurotransmitter molecule Norepinephrine BY- Omkant Jha & R A Yadav Page-302
- A comparative study of organic solvents ionic liquids, surfactants and acids for liquid phase exfoliation of grapheneBY- Randhir Singh & Chandra Charu Tripathi Page-322
- Design optimization in geometry of seismic mass for MEMS based cantilever type piezoelectric energy harvester for motor vibrations BY- Shank Saxena ,Ritu Sharma & B D Pant Page-334
- Historical review of advanced materials for electromagnetic interference shielding Conjugated polymers Carbon nanotubes Graphene Based Composites BY- Parveen Saini - Page-338
- Thermal Stbility Analysis and Performance Exploration of Asymmetrical Dual-k underlap Spacer SOI FinFET for High Performance Circuit Applications BY- Neeraj Jain & Balwinder Raj Page-352
- Search of a model for melting temperature and cohesive energy of nanomaterials BY- Hina Chhabra ,Sandhya Bhatt & Munish Kumar Page-361

## 7. Journal of Scientific & Industrial Research

Website: [www.niscair.res.in](http://www.niscair.res.in)

January-2019

ISSN-0022-4456

Vol-78 No-01 PP-01-58.

Frequency: monthly

### Articles

- Comparative Analysis of Financial Industry Competitiveness of Regions Industry in China BY- Yao Fu, Weida He & Rong Ha Page-11
- Corporate Reputation Financial Performance and Earnings Quality BY- M A Fernandez –Gamez A del Castillo, D Alaminos, Jose Antonio C Santos & E Alcoforado Page-15
- Stochastic Multifacility Location Problem under Triangular Area Constraint with Squared Euclidean Norm BY- A K Santra Page-19

- Development of Competency Model and Mapping of employees Competencies for Development A New Approach BY- J Kansal & N Jain page-22
- The Interaction between Service Employees and Customers the Increase of Purchase Intention ::An Evidence from Service Industry BY-Yu-Chi Wu, Grace T R Lin & Jan-Ruei Lin Page-26
- Modelling Analysing an Integrated Multi channel Food supply chain Distribution of an Indian Dairy Firm using Modified TLBO Algorithm BY- T Niranjana & P Parthiban Page-31
- A Content Proposer System Based on Deficiencies of Confidence Based Learning BY-R Chatterjee & J K Mandal Page-35
- Optimization of an Antihyperglycemic Tritherbal Formulation using Response Surface Methodology BY- Tanisha & M Majumdar Page-39
- Salen Type Copper Complexes as Flame Retardants for PVC Sheets BY- Meenu Teotia, Anjali Verma, Takashiro ,Tomoyuki Haraguchi & RK Soni Page-46
- Reduction in Refining Energy and Improvement in pulp Freeness through Enzymatic Treatment –Lab and Plant Scale Studies BY-S Tripathi, P Verma, O P Mishra, N Sharma, N K Bhardwaj & R Tandon Page-50

## 7.1 Journal of Scientific & Industrial Research

Website: [www.niscair.res.in](http://www.niscair.res.in)

February-2019

ISSN-0022-4456

Vol-78 No-02 PP-59-124.

Frequency: monthly

### Articles

- Performance Analysis of Mobile Nodes in Mobile Ad-hoc Networks using Enhanced Manhattan Mobility Model BY- S Kour & J Singh Ubhi Page-69
- Research on the Factors Influencing Overcapacity in Industrial Sectors BY- Mei Feng & Yafen Yan Page-73
- Determinants of Environmental Innovations New Evidence at the sector Level BY- Alejandro Garcia –Pozo, Juan A Campos-Soria, Margarida Custodio santos & Jose Antonio C Santos Page-76
- Statistical Modelin of Galactosiase Production from Novel Yeast Isolate Using Cheese Whey BY-S Kumari, PS Panesar, R Kaur & M B Bera page-81
- Multi-Objective Decision Making Optimization for Electro Discharge Machining Process of Al-4,5Cu-Sic Composite Using Fuzzy-Topsis BY-S Debnath, G R K Sastry & R Naresh Rai Page-86

- Ultrafiltration of Lignin from Black Liquor Mdeling Decline in Flux BY- P T Kekana, B B Sithole & D Ramjugernath Page-91
- Study on Performance of Wind Mill by Adding Winglet in Turbine Blade Virtual Analysis By- M Natarj & G Balaji Page-96
- Single Step Sonochemical Synthesis of Copper Zinc Tin Sulfid Nanoparticles BY-R Manivannan, D Sahu, N Selvaraj & S Noyal Victoria Page-102
- Mesoporus SBA-15-Pr-SO3H Cataysed Biodiessl Production from Maize Acid Oil BY- D R Lathiya, D V Bhatt & K C Maheria Page-106
- Synthesis ,Biological Evaluation and Molecular Modeling Studies of Novel Chromone /Aza –Chromone Fused A-Aminophosphonates as Sre kinase Inhibitors BY- S Bapat, N Viswanadh, M Mujahid A N Shirazi ,R K Tiwari K Parang M Karthikeyan m Muthukrishnan & Renu Vyas Page-111
- Methylene Blue Dye Removal from Water by Nickel Ferrite Polyaniline Nanocomposite BY- N B Singh,S Agrawal & K M Rachna Page-118

## 7.2 Journal of Scientific & Industrial Research

Website: [www.niscair.res.in](http://www.niscair.res.in)  
Vol-78 no-03 PP-125--184

March-2019

ISSN-0022-4456  
Frequency: monthly

### Articles

- Mathematical Modeling for Design Thinking Innovation Method based on Markov Chain Theory BY- J A Lopez Leyva, D H Chavez Garcia, M Talancon ,M A Ponce Camacho & A F valentin Page-135
- Evaluation of Chinese of Chinese Environmental Efficiency based on CEPI BY- M A Dongdong ,H E Feng, L I Guifang & Deng Guangjun Page-139
- Analysis of Body Postures of Employees in Manufacturing Industry by Using Ergonomic Tools BY- H A Zubar & R Alamoudi Page-144
- Real-Time Recognition of Malignant Skin Lesions Using Ensemble Modeling BY- V Kumar & T Choudhury page-148
- Benefits and Risks of Green Jobs in the Construction Industry BY- L. Cardoso, N Araujo, J A Fraiz Brea & J Dieguez- Soto Page-86
- Feature Selection and Classification of Microarray Data for Cancer Prediction Using Mapreduce Implementaion of Random forest Algorithm BY- R Dhanalakshmi & Utkarsh M Khaire Page-158

- Comparative Evaluation of Peroxidation of Sesame and Cottonseed Oil Induced By- Different Methods of Heating BY- B Shanmugasundarm V K Singh ,S Shrestha ,S K Sarkar ,Shresha S K Sarkar,K Jeevaratnam & B C Koner Page-162
- Optimization and Prediction of Cutting Parameters in the End Milling Processfor Cast Aluminium B4C Based Composite BY-R Singh,M Shadab & R N Rai Page-166
- Facile Microwave –Assisted Synthesis of Zinc Oxide and Characterization By- L K Gopalakrishna Bhatta ,U M Bhatta ,& K Venkatesh Page-173
- Electrochemical Determination of Guanine and Uric Acid using Ndfeo, Nps Modified Graphite paste Electrode BY- Y Kumar ,P P singh ,P Pramanik & D Kumar Das Page-177

### **7.3 Journal of Scientific & Industrial Research**

Website: [www.niscair.res.in](http://www.niscair.res.in)

April-2019

ISSN-0022-4456

Vol-78 No-04 PP-185-254.

Frequency: monthly

#### **Articles**

- Multi-Operator Content Aware Image Retargeting on Natural Images BY- M Abhayadev & T Santha Page-193
- Investigation of Work –Related Disorders by Rapid Upper Limb Assessment BY- Abdul Zubar Hameed & Abdulrahman M Basahel Page-199
- Loss Detection of Recurrence Rate in the EEG Signals of Children with ADHD BY- R Yaghoobi,S Azadi& P Keshavarzi Page-203
- Photovoltaic Power Generation Estimation Using Statistical Features and Artificial Neural Networks BY- D A Elvira-Qtiz,D Morinigo-Sotelo,R J Romero- Troncoso, & R A Osornio-Rios page-212
- Machinability Studies on Precipitation Hardened Stainless Steel using Cryo- Treated Textured Carbide Inserts BY- D Arulkirubakaran ,K Balasubramanian ,R Raju ,D Palanisamy & N Manikandan Page-216
- An Entropy –Deng’s Similarity-based technique for Modeling and Optimization of Process Variables for Laser Micro Drilling of Alloy-x Page-Sivaprasad P V & Noorul Haq A Page-223
- Fermentative Production of Nata de Mango and Incorporation in Beverage BY- H Pal, M Joardar, S Nikam & S S Lele Page-231

- Performance and Emission Characteristics of a Turbocharged MPFI Engine BY- R Mathivanan N, K Mathiyazhagan & L Raghu Page-236
- Differential Effects Acid and Fluridone on Postharvest Quality Parameters of Detached Capsicum Fruits BY- U Prajapati, R Asrey, A Arora, A K Singh & M Hasan Page-242
- Reuse of Waste Plastics and Demolition Waste in the Development of Plastic Paver Block BY-D Hemalatha Page-248

## 7.4 Journal of Scientific & Industrial Research

Website: [www.niscair.res.in](http://www.niscair.res.in)

MAY-2019

ISSN-0022-4456

Vol-78 No-05 PP-255-330.

Frequency: monthly

### Articles

- Analyze the Influential Aspects of Grid Congestion in Network Transmissions of Using Efficient and Secure Anomaly Detection Approach BY- M Azath ,A Ashraf T OmerElsier Page-263
- Bankruptcy Prediction of Family Firms Using Combined Classifiers BY-M A Fernnnder – Gamez, J Dieguez-Soto, Jose Antonio C Santos & J M de la Rose Page-269
- Technological Innovation Threshold Characteristic of the Impact of Environmental Regulation on Carbon Emission Based on Chinese Provincial panel Data BY- Mei Feng & Xinyi Li Page-274
- PAPR Reduction in NC-OFDM/OQAM System using Nonlinear Companding Transform BY- N Renuka & M Satya Sairam Page-278
- Secure Data Transpiration and Retrieval algorithm for Army in Decentralized Disruption Tolerant Military Networks BY- A S Alqahtani Page-282
- A Novel Approach in Lactose Based Induction for Enhanced Production of 1-4 Beta Xylanase by Recombinant Escherichia coli by- S K Kandiyil, R A Malek ,R Hatti Kaul C K HO & H A EI Enshasy Page-287
- Donors for Quality Characteristics in Micronutrient Fortified Re- constituted Rice BY- S Z Hussain ,B Singh F Iftikhar ,B Naseer & M Mehraj Page-295
- Application of Attenuated Total Reflection /Fourier Transform Infrared Spectroscopy in the Screening of Strains Producing Bioactive Molecules A Metabolomics Approach BY- A Z Boumehira O Arous E A Elsayed ,H Hacene N Yezli, D sukrawati & H A EI-Enshasy Page-301

- Removal of Victoria Blue -84 Dye from Aqueous Solution by zine Sulphate Activated Sugarcane Bagasse BY- Km Rachna A Agarwal & N B Singh Page-307
- Evaluation of Tribological Properties of Stir Cast AA7050/B4C-T6 Composite BY- a Kumar & R N Rai Page-312
- Influence of EGR and Inlet Temperature on Combustion and Emission Characteristics of HCCI Engine with Micro Algae Oil BY-P Moulali, T H Prasad & B D Prasad Page-317
- A QSAR Study on the Biological Activities of Polyamines as Anti-alzheimerDrugs by Monte Carlo Optimization BY- Ghasem Ghasem Page-323

## 7.5 Journal of Scientific & Industrial Research

Website: [www.niscair.res.in](http://www.niscair.res.in)

June-2019

ISSN-0022-4456

Vol-78 No-06 PP-331-394.

Frequency: monthly

### Articles

- Plug-and-play Automatic control for Illumination in Industrial Sector to Increase the Energy Efficiency BY- JA Lopez –Leyva ,VM Ramos –Garcia & MA Ponce – Camacho Page-339
- How to Enhance Customer Involvement in Service Innovation within Service Industry BY- Yu-Chi Wu Grace T R Lin & Wei –Han Yu Page-342
- Design and Investigation of Adaptive Fixed Duty Cycle MPPT algorithm for Photovoltaic Syatems BY- J S Kumari ,D Lemine & C S Babu Page-345
- A prewarning Analysis of the Credit Risk of Local Government Debt in China BY- Mei Feng & Hongxia Guo -350
- Knowledge Management thrugh Groupware Technology BY- Elidomar Alcoforado Daniela Alcoforado Jose Antonio C Santos & Michael Schon Page-354
- Production of High Cell Mass of Bacillus fums Using Statistical Medium Optimizaiton BY- S Sukumaran ,DJ ,R A Malek ,T Peng SZ HanaPi & H EI Enshasy Page-358
- A Study of Material Removal during Electrical –Discharge Drilling of Hybrid Metal Matrix Composites BY- S Kachhap ,A Singh & K Debnath Page-364
- RAMAN-Y tterbium Doped Hybrid Optical Amplifier yielding Flat Gain in S-band for Super Dense Wavelength Division Multiplexing System BY- C Kumar & R Goyal Page-373

- A Novel Investigative trade-off Analysis of various Undi Methyl Ester blends with n-butanol Additive in a Prechamber Engine at Varying Loads BY- R Debnath,R Singh ,GRK Sastry & RN Rai Page-376
- Environmental Impact of Butanol and Algae Oil addition in Gasoline at different compression Ratio BY- M Saraswat & N R Chauhan Page-382
- Optimization of COD Removal by Advanced Oxidation Process through Response Surface Methodology from Pulp & Paper Industry Wastewater BY-V Kumar .P Suraj & P Ghosh Page-386

## 8. Open Source

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

ISSN-2456-488

Vol-07 No-07 pp. 108 April- 2019.

Frequency: Monthly

### Articles

- The Best Private Search Engines For You To Try Out Page-32
- Exploring Software: Expecting Miracles Page-35
- Gaining a Better Understanding of our Network Page-36
- Setting Up Proxmox VE on Two Servers for Storage Replication Page-41
- Troubleshooting Issues in Linux Applications Page-44
- OPenVAS: A Powerful Vulnerability Scanner Page-47
- Securing a LAMP Server in 2019 Page-49
- Setting Up Kubernetes on Windows Page-54
- Setting up the Hyperledger Sawtooth Development Environment with Kubernetes Page-56
- Use Group Office to Collaborate with Colleagues Page-59
- Migration of Application Workloads to Containers using Docker and Kubernetes Page-66
- How to Choose the Right CIAM Solution for Your Integration Architecture Page-68
- A Sneak Peek at Zeek, the Flexible Network Security Monitor Page-70
- Emacs String Manipulation Page-82
- A Containerised Development Environment for Hyperledger Fabric Page-97
- Blockchain Development Made Easy with Open Source Tools Page-99

## 8.1 Open Source

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

ISSN-2456-4885

Vol-07 No-08 pp.108 May-2019.

Frequency: Monthly

### Articles

- Blockchain: A Boon for Cyber Security Page-26
- The Latest in AI and Its Applications Page-31
- The Story Behind the Development of the UNIX Operating System Page-34
- Exploring Software : Revisiting OpenStack and Big Data Page-38

- Demystifying IO Performance Page-40
- Tips and Tools for Protecting Networks from Security Breaches Page-44
- Weka: A free and Open Source Suite for Machine Learning and Deep Learning Algorithms Page-50
- Are You Ready to Adopt GraphQL? Page-54
- TensorFlow Hub A Machine Learning Ecosystem Page-58
- Apache SystemML A Machine Learning Platform Suited for Big Data Page-61
- AForge NET : A Powerful Open Source Computer vision Tool Page-65
- ONNX: Helping developers Choose the Right Framework Page-68
- The Emacs Series Exploring dash,el Page-72
- Designing Android App for Communication With Bluetooth Module Page-86
- Endorsement Policies in Hyperledger Fabric Page-91
- Introducing SageMath: A System for Algebraic and Geometrical Experimentation Page-98
- AI for Industries : Using Intelligence in Real Time Page-100
- Choose the Right CIAM for your Integration Architecture Page-103

## 8.2 Open Source

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

Vol-07, No-09 pp.108 June- 2019.

ISSN-2456-4885

Frequency: Monthly

### Articles

- DevOps and Agile A Successful Project Needs Both Page-26
- Choosing DevOps as a Career: Things You Should Know Page-30
- The Path to Becoming a DevOps Engineer Page-32
- Optimising Data Centres a Must to Shape the Smart Cities of Tomorrow Page-40
- How Business Processes are Evolving with the IoT Page-42
- Latest Technologies to Enhance the Performance of Memories Page-44
- Why Enterprises Should Opt for Open Source DevOps Tools Page-46
- Exploring Software Modelling an Instant Run –off Election Using NetLogo Page-51
- Troubleshooting Network Issues An Introduction Page-54
- Visualise Your Delivery Pipeline in Real –Time with Hygieia Page-60
- Portainer .io: Build Manage and Manage and maintain Docker Environments Page-63
- Dynamic Test Orchestration Using Docker Swarm Page-68
- The Top Ten Open Source DevOps Projects of 2018 Page-72
- An Overview of H2O An Open Source AI Platform Page-74
- Understanding CI and CD The Two Pillars of the DevOps Culture Page-78
- Identity Management in Hyperledger Sawtooth Transaction Families Page-83
- Simplify Database Migration by Using Object Relational Mapping Page-85

## 9. PC QUEST

Website: <http://www.PCquest.Com>.

Vol-32 No-04 pp.1-74

April-2019

Frequency: Monthly

### Articles

- “We See A Shift Towards A more Connected Collaborative System Where Physical And Digital Entities Will Converge Across Multiple Channels and Models”-Zebra Technologies Page-11
- “AI Brings Increased Efficiency And Higher ROI For Real –Timed Ad Bidding”- Mobvista Page-14
- Digital Transformation Is A Continuous Spark Page-16
- Disrupting The SME Lending Market With Knowledge And Technology Page-20
- The Simple ,Effective workflow Management Experience For Corporates And SMBs Page-22
- Electronic Waste Sector Can Reate Half A Million Jobs In India By 2025 Page-24
- Welcome to the Future : How Conversational Ai Will Change The Grand Scheme of Things Page-26
- F-Secure Nets Wins AV-Test Best Protection Awards Page-29
- Intel Innovations for Enterprise And Cloud Intra Page-30
- Zaap Aqua Wireless Speaker Review Page-32
- Simplilearn Big Data Hadoop Review Page-33
- Cloud Computing To Shape The Travel Expense & Invoice Industry in India Page-38
- “Use of Artificial Intelligence BySMEs In Comparison withGlobal MNCs ” –ONGO Framework Page-50
- IT Companies Shine In Top 10 Ranks Page-51
- Reinvention of Supply Chain by Power of AI And IoT Page-54
- Benefits of The Application of Scientific Process In Employee Appraisals Page-58
- How Blockchain Technology Is Revamping The Logistics Industry Page-62
- Data Science and AI Solutions for Social Impacts Page-72
- New Backup For MS Office 365 Version 3Page-72

## 9.1 PC QUEST

Website: <http://www.PCquest.Com>.

Vol-32 No-05 pp.1-74

May-2019

Frequency: Monthly

### Articles

- Blockchain For Food Safety Page-16
- The Embryonic Technology of Augmented Reality Page-22
- Blaupunkt BT -100 Bluetooth Speaker Review Page-26
- Techno Camon i4 Review Page-27
- Travel With Ease Page- 28
- Blockchain Security Against Spam Calls Page-30
- 5 Dashcams For Cars Page-32

- We Work with Next –Generation Technologies to Ensure The Best Performance At A Minimal Cost –Asoke K. Laha Interra Information Technologies Page-34
- Data Breaches Page-36
- Virtual Desktops Page-42
- Cloud Efficiency Page-46
- Virtual Dialogue Page-48
- Building The Driverless Car Page-50
- Making Authentication Foolproof Page-52
- Saving Energy Smartly Page-54
- Industry Innovation Accelerators Page-64
- Innovation TO Solve Social Problems Page-72

## 9.2 PC QUEST

Website: <http://www.PCquest.Com>.

Vol-32 No-06 pp.1-74

june-2019

Frequency: Monthly

### Articles

- IoT-Ready sanitisation Page-20
- E-Learning For Schools Page-24
- Empowering of The Elderly Page-29
- Capgemini Helps Louisiana Pacific With Migration To AWS Page-30
- SUSE Using Storage for Containerised And Cloud Workload Page-30
- Cambium Networks Announces CNHEAT Network Planning Subscription Page-30
- AMD Announces Next-Generation Leadership Products At Computex 2019 keynote Page-31
- Avaya Expands Relationship with Collab 9 to Accelerate Delivery of Avaya OneCloud Solutions Page-31
- Barracuda Cloudgen Firewall Review Page-37
- Your Money Is Being Stolen Page-43
- How Indians Paid Page-50
- Advantage Quantum Computing Page-62

## 10. The IUP Journal of Computer Sciences

Website: [www.iupindia.in](http://www.iupindia.in)

April-2019

ISSN-9770973-990004

Vol. XIII No.2 PP-1-67

Frequency-Quarterly

### Articles

- Cloud Computing for MATLAB and R Users Part-II Transferring Data Cloud Storage BY- Michael Gallagher Erick Rengifo and Rssen Trendafilov Page-7
- Cloud Computing for MATLAB and R Users Part-III-Multicore Virtual Parallel Computing Environment BY- Michael Gallagher, Erick Rengifo and Rossen Trendafilov Page-31

Suggestions/ feedback

---

---

---

---

---

---

---

---

---

---

Name: \_\_\_\_\_

Department: \_\_\_\_\_

Sign: \_\_\_\_\_

For more details contact Librarian...

Library@vivacollege.org

VIVA Library - CAS Bulletin