



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



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

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## 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

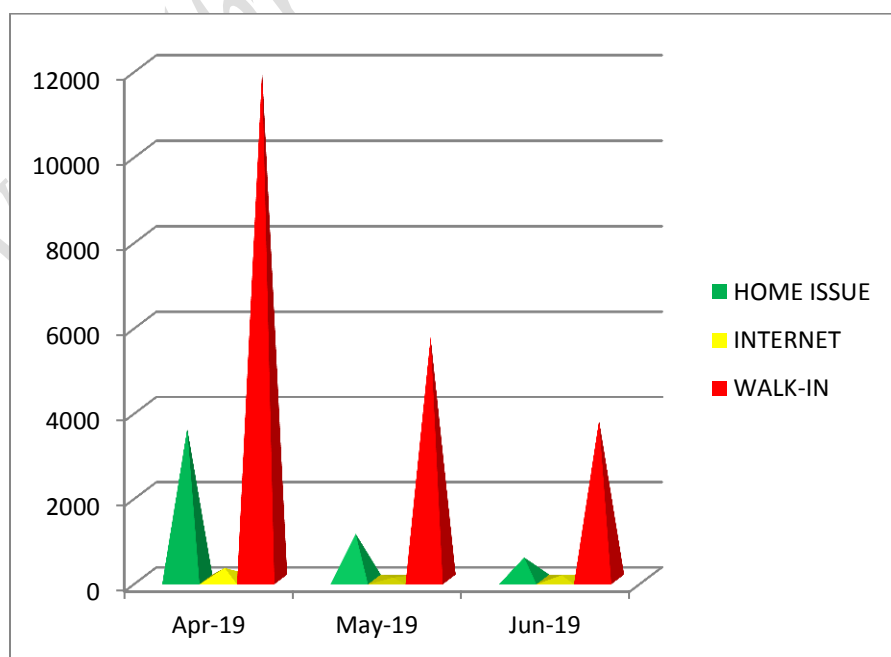
E-resource: N-List (consortium) Including  
6000+ E-journals & 31,35,000+ E-  
books.

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
- ARTICIAL 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
- EMBDDED : 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  $\text{-ZrO}_2$ -phosphomolybdic 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  $\text{Ba}_{3-x}\text{Al}_2\text{O}_6: x\text{Eu}^{3+}$  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 Zhao Page-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, Mohamed 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 a-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- azetidin -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

- Hypcholesterolemic 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)

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

March-2019

Issn-0019-5189

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
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Suggestions/ feedback

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