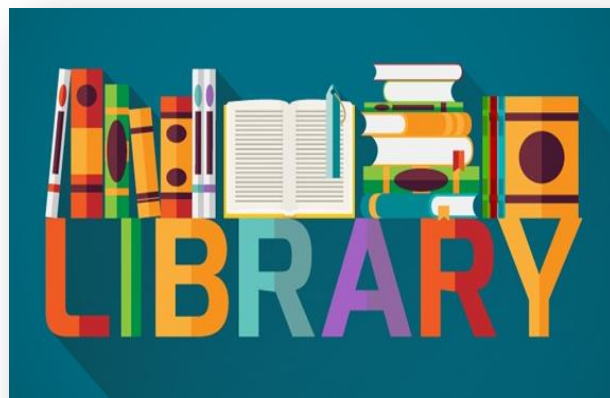




CAS Bulletin

Science section

Volume: 3, Issue No.: 2, June 2018



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Prepared by

VIVA Library Team,

Tel.: 0250-2515278

E-Mail: Library@vivacollege.org

Website:

www.vivacollege.org/library.aspx

Library Collection

(As on 30th June .2018)

Total Books: 48389

Non-Book Materials

Periodical: 69

CDs: 252

Journals: 41

Maps: 51

Magazines: 28

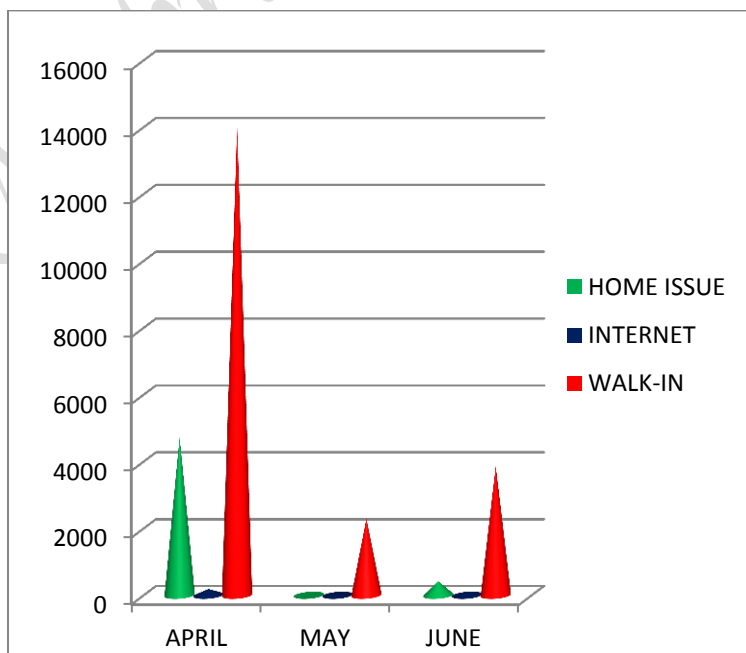
E-resource: N-List (consortium) Including
6000+ E-journals & 31,35,000+ E-
books.

Newspapers: 31

Institutional Membership of American Library

Library Usage Statistics

MONTH	HOME ISSUE	INTERNET	WALK-IN
Apr-18	4726	190	14037
May-18	431	49	2293
Jun-18	422	114	3863



“International yoga day”

Yoga is considered as unification of mind body and soul the ultimate objective of yoga is peace and harmony among mankind.

To promote peace and harmony 21st June is declared as **“International yoga day”** on this occasion VIVA College Library celebrated International yoga day and displayed books on yoga, Research article and career opportunities in yoga.



New Arrival Books

Hospitality Studies

ACC.NO.	AUTHOR	TITLE	CALL. NO.
BHM672	Naqvi,NafeesHaider	Hospitality Dictionary	647.9402/NAQ

List of Journals

Sr.No.	Title	Frequency
1	CSIR News	Monthly
2	Digit	Monthly
3	Electronics For You	Monthly
4	Indian Journal of Biochemistry And Biophysics	Bio-monthly
5	Indian Journal of Chemistry Section A	Monthly
6	Indian Journal of Chemistry Section B	Monthly
7	Indian Journal of Experimental Biology	Monthly
8	Indian Journal of Pure & Applied Physics	Monthly
9	Indian Journal of Traditional Knowledge	Quarterly
10	Journal of Scientific and Industrial Research	Monthly
11	Medicinal & Aromatic plants Abstracts	Bimonthly
12	Open Source	Monthly
13	PC Quest	Monthly
14	The IUP Journal of Computer Science	Quarterly

Contents of Journal

1. CSIR News

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

Vo-68, No.07 & 08

pp -1-76

April- 2018

ISSN: 0409-7467

Frequency: Monthly

Articles

- CSIR-NPL Collaborates to Develop India,s Own Gold Standard Page No -59
- Graphene –based Supercapacitors from Lithium-Ion Batteries. *Page No-61
- Synthesis of Quantum dots from 2D Materials CSIR –CECRI * Page No-63
- Performance of Confined Masonry Buildings under Quasi –Static Condition CSIR – CBRI ,Roorkee *Page No-63
- National Science Day Lecture on “Transforming S & T in India Organised by CSIR- NISCAI *Page No-66

2. Digit

website: www.digit.in

Vol-,18 N0-04 PP-1-110

April -2018

ISSN: 74470-25140

Frequency-monthly

Articles

- Books that Should be made into TV Shows Page –66
- Same old , same old Page –68
- Meh-canical Page –70
- Computer Vision Page- 72
- Going With the flow Page- 76
- Exotic states of matter Page –78
- Eco- friendly satellite Propulsion Page –80
- In- Situ resource utilisation Page -82
- Armour design in Sci-Fi Page –86
- Age of Empires Definitive Edition Page –104
- Metal Gear Survive Page –108

2.1 Digit

website: www.digit.in

Vol-,18 N0-05PP-1-110

MAY-2018

ISSN: 74470-25140

Frequency-monthly

Articles

- Holographic data storage –Page-18
- To build a home Page – 26
- Things to do after installing Windows 10 Page- 28
- The history of Stormtroopers Page –63
- Breaking the sound barrier ! Page –68

2.2 Digit

website: www.digit.in

Vol-18 N0-06 PP-1-110

June -2018

ISSN: 74470-25140

Frequency-monthly

Articles

- A brief history of modding Page- 63
- Faceoff : Pubg vs Fortnite Page- 67
- Effect of customisation on players Page –68

3. Electronics For You

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

Vol-06, No-12 pp.124+8+28

April -2017

ISSN: 2454-4426

Frequency: Monthly

Articles

- Design How to improve power conversion efficiency of inverters Page – 34
- Interview; Eric Wei senior sales director , Viewsonic VR and AR software will extend beyond the realm of gaming to different activities Page-44
- Interview Renjith pt vice president Livewire India Technology is creating new issues that would require humans to address them Page – 46
- Sensors Selecting the right sensors for industrial applications Page – 48
- Defence Electronics Optronics sensors Fundamentals and types Page – 60
- Benefits of IoT vending machines for retail Page – 72
- Li- ion batteries for solar setups page-75
- Smart technology for better waste management page-76

3.1 Electronics For You

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

Vol-07, No-1 pp. 132+8+28

May--2018

ISSN: 2454-4426

Frequency: Monthly

Articles

- Learning ;Cognitive Science and Technology Building Futuristic education Systems Page-18
- Design ;Wireless Charging Fuel of the future Page – 26
- Design ; Thermal and Humidity Effects on Electronic Equipment Page – 30
- Displays qled and igzo the future of Television Display Technology Page- 40
- Test & measurement T&M Calibration Trends and Upgrades Page – 52
- Test & measurement : Test and measurement Equipment Requirements for Defence Page-56
- Consumer electronics ;beauty Electronics at home Page – 58
- Defence Electronics ;Modern sensors for Defence and Military applications Page – 60
- Defence Electronics ;optronic sensors for Imaging Page – 64
- Defence Electronics Wireless Technology for Defence Page – 70

3.2 Electronics For You

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

Vol-07, No-02 pp. 132+8+24

June -2018

ISSN: 2454-4426

Frequency: Monthly

Articles

- Business Opportunities in Hotel Automation Technology Page – 20
- Towards a sustainable Future Driven by The Thrust of Organic ,Flexible and printable Solar Power Page – 24
- Startup zone : Solar streetlights with Inbuilt Lithium –Ion Batteries to the Rescue Page- 28
- Startup Zone ; Have an Idea and Want to Become an Entrepreneur ,or Become an Entrepreneur and Look for an Idea Page – 30
- Market Survey ; Flexible printed and organic Electronics The Bus India Should Not Miss Page-38
- Project Rerport ;Starting an Electronic Counter Making Business Page – 43
- Defence Electronics ;Optronic Sesors Night Vision Technologies Page – 54
- Sensors; sensors that Add strength to Aviation and Aerospace Page – 61
- Test & Measurement ;Test and Measurement That,s Making Aviation Safer Page – 64
- Design Development Boards that are Making IoT Designing Simpler Page – 68

4. Indian Journal of Biochmistry and Biophysics

Website: www.niscair.res.in

Vol-55 no-1 pp-1-70

February-2018

ISSN-0301-1208

Frequency-Bimonthly

Articles

- PH –induced reversible molecular self-assembly of perylene based imidazolateester a probable marker for biological species BY-Padhy AK ,Saba N, Swain J & Dey RK *Page-7
- Acute toxicity of copper sulphate on Catla larvae and its effect on expression of three commonly used housekeeping genes BY- Kavita Kumar ,Gopal Krishna ,Gireesh Babu Pathakota ,Pavan Kumar Annam & Shivendra Kumar Page-12
- Functional validation of a water deficit stress responsive aP2/ERF family transcription factor –encoding gene in Oryza sativa BY- Ibandalin Mawlong ,Kishwar Ali & Aruna Tyagi Page-17
- Changes in reactive oxygen scavenging systems and protein profiles in maize roots inresponse to nitric oxide under waterlogging stress BY- Akanksha Jainwal & JP Srivast*Page-26
- Effect of regulated stress and its potential implication in Ulvafasciata BY- Pushkar V Patil & Temjensangba Imchen Page-34
- Superoxide dismutase activity in response to heat stress in Jamunapari goats BY- Kaushik R ,Dige M, Dass G,Ramachandran N & Rout PK Page-39

- A Preliminary pharmacokinetic and toxicity study of nigerloxin BY-Vasanthi KY, Singh RP Sattur AP *Page-44
- Numerical analyses of electroporation –mediated doxorubicin uptake in eukaryotic cells role of membrane cholesterol content BY-pratip Shil ,Kimmoju Bhanuprakash Achary & Kalichamy Alagarasu Page-52
- Light regulation of nitrate reductase gene expression and enzyme activity in the AlagarasuPage-62

4.1 Indian Journal of Biochemistry and Biophysics

Website: www.niscair.res.in

Vol-55 no-2 pp-71-156

April-2018

ISSN-0301-1208

Frequency-Bimonthly

Articles

- Purification and characterization of a gelatinolytic serine protease from the seeds of ash gourd Benincasa hispida Cogn BY- Niloy Das ,Sanhita Maity ,Jishnu Chakraborty ,Sampa Pal ,Subrata Sardar & Umesh Chandra Halder *Page-77
- In silico interaction of rutin with some immunomodulatory targets a docking analysis BY- Aditya Ganeshpurkar & Ajay Saluja Page-88
- Neuroprotective effects of Aegle marmelos Correa against cadmium toxicity by reducing oxidative stress and Maintaining the histoarchitecture of neural tissue in BALB /c Mice BY- Era Seth ,Surbhi Kaushal ,Aitizaz Ui Ahsan ,Vijay Lakshmi Sharma & Mani Chopra Page-95
- Functional Properties of Protein hydrolysates from fresh water mussel Lamellidens marginalis BY- Ankhi Halder,s, Roshni Chatterjee ,Tanmoy Kumar Dey Madhushrita Das Pubali Dhar& Jana Chakrabarti *Page-105
- Modulation of proline metabolism under drought and salt stress conditions in wheat seedlings BY- Kaur G Asthir B & Bains NS Page-114
- Evaluation of liquid artificial larval diets for mass rearing of Bactrocera cucurbitae BY- Panduranga GS ,Sharma K & Sharma RK Page-125
- Evaluation of the in vitro immunotoxic effect of bromadiolone rodenticide in poultry BY- Singh DD & Chauhan RS Page-132
- Silymarin ameliorates uterine and ovarian damage in streptozotocin induced diabetic rat model BY- Nuri Yildirim ,Semir Kose ,Alkim gulsah Sahingoz Yildirim ,Cadas Sahin Gurkan Yigitturk ,Altug Yavasoglu & Oytun Erbas *Page-137
- Assessment of genetic diversity among sesame germplasm as revealed by RAPD and SSR markers BY- Anandan R Deenathayalan T ,Prakash M Sunilkumar B & Narayana Page-143

5. Indian Journal of Chemistry : Section A - Inorganic, Bio-inorganic, Physical, Theoretical & Analytical

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

ISSN:0376-4710

Vol-57A, No- 4 pp 463-514

April- 2018.

Frequency : Monthly

Articles

- Hydrogen bonded supramolecular architecture of a copper(II)-citrate coordination building block: Synthesis and crystal structure with theoretical insight By- Sougata Sarkar, Shouvik Chattopadhyay, Bipin Dutta & Soumen Khanra*, Avijit Sarkar Page No. 469
- Kinetic and mechanistic studies of oxidation of chloramphenicol by sodium metaperiodate using Rh(III)-chloride as homogeneous catalyst By- Ranju Pradhan, Jaya Srivastava, Ritu Swamini Bala, Rupam Yadav, Shahla Rahmani & Ashok Kumar Singh* Page No. 477
- Silver nanoparticle modified Pt electrode as voltammetric and electrochemical impedance sensor for hydrogen peroxide in live biological cells By- Kangkana Deka, Jutika Kumar, Ananya Bhowmick, Sofia Banu & Diganta Kumar Das* Page No. 485
- Highly selective colorimetric Schiff base chemosensor for detection of Cu²⁺ By- Dan Liu, Zhu & Li Yang* Page No. 490
- DFT study on ammonium perchlorate bond activation by Pt clusters supported by carbon nanotubes and graphene By- Hosseini, Seyed Ghorban & Mohammad Hossein Zanghenhnejad* Page No. 503

5.1 Indian Journal of Chemistry : Section A - Inorganic, Bio-inorganic, Physical, Theoretical & Analytical

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

ISSN:0376-

4710

Vol-57A, No- 5 pp 599-662

MAY- 2018.

Frequency : Monthly

Articles

- Unusual redox activity of composite alkaline earth metal oxides and reduced graphene oxide system BY- sudip majumder shilpa Sharma Debasree Ghosh pretty Joon & Chittaranjan Sinha * Page No. 605
- Photo induced pyrene degradation in contaminated soils by polyaniline coated photocatalysts BY-F Shahrezaei ,A Hemati Azandaryani ,A M Mansourie ,A Akhbari & P pakravan * Page No. 610

- Fluoride selective chemosensor derived from vitamin B6 cofactor pyridoxal BY- Suban K Sahoo Darshna Sharma Anuradha Moirangthem Anupam Basu Ashok Kumar S K & Umesh D Patil * Page No. 619
 - Thermodynamic characteristics of L- arginine oscillating system catalyzed by tetraazamacrocyclic nickel complex BY- Lijun Ren & chunlan Yuan * Page No. 626
 - Interaction between N –tetradecyl-N N –dimethyl-N _ammonium chloride and some surfactants BY- Jialin Zheng ,Jing Zhao yan Li Zhen Chen Ling Wang ,Xiaodeng yang & Guoqin Li * Page No. 633
 - Role of hydrogen bonding in conformational energies of hexachlorophene and its derivatives –A theoretical study BY- C Prathipa ,P Kalpana & L Akilandeswari * Page No. 643
- * Metal supported and metal ion exchanged catalysts from palylation acetylation reaction BY- Dhanya Balan A P & Pushpaaletha P Page No. 649

6. Indian Journal of Chemistry: Section B-Organic including Medicinal

Website: <http://www.niscair.res.in>; <http://nopr.niscair.res.in>
Vol-57B, No.4 pp.515-598 April- 2018.

ISSN: 0376-4699
Frequency : Monthly

Article

- Formation of esters and amides via metal-free Csp³ bond cleavage of α -nitro ketone: Mechanistic insight to the reaction pathway By- Manas Jyoti Sarma & Prodeep Phukan* Page No. 523
- A Convenient methodology for the synthesis of substituted BIONL derivative using Cu-amine complexation method By- Suyog Marathe & Anil V Karnik* Page No-534
- Synthesis and in vitro studies of thiazolidine-4- carboxylic acid hydrazones as potential antitubercular agents By- Kurre Purna Nagasree, Muthyala Murali Krishna Kumar, Yejella Rajendra Prasad, Dharmarajan Sriram & Perumal Yogeeswari*Page No. 538
- Microwave assisted synthesis and SAR studies of novel hybrid phenothiazine analogs as potential antitubercular agents By- Raghuveer Varma Pemmadi, Purna Nagasree Kurre, Padma Vijaya Sangeetha Guruvelli, Risy Namratha Jamullamudi & Murali Krishna Kumar Muthyala* Page No- 556
- 3(2H)-Furanones promising candidates for synthesis of new fluorescent organic probes By- Mohamed H A Soliman, Belal H M Hussein, Nahal abdel-Moati & El-Sayed H M El-Tamany

- An efficient protocol for the one-pot four-component synthesis of 6-amino-1,4-dihydropyrano- [2,3-c]- pyrazole-5carbonitrile derivatives using starch solution as a reaction media By- Rajesh H Vekariya, Kinjal D Patel & Hitesh D Patel* Page No-576
- Green synthesis of some novel chalcone and isoxazole substituted 9-anilinoacridine derivatives and evaluation of their antimicrobial and larvicidal activities By- R Kalirajan, M H Mohammed Rafick, S Sankar & B Gowramma* Page No. 583
- Synthesis and antibacterial activity of 1,3,4-oxadiazole substituted pyrimidine derivatives By- Andrews B, Komathi K & Mohan S* Page No. 591

6.1 Indian Journal of Chemistry: Section B-Organic including Medicinal

Website: <http://www.niscair.res.in>; <http://nopr.niscair.res.in>
Vol-57B, No.5 pp.663-746 May- 2018.

ISSN: 0376-4699

Frequency : Monthly

Article

- A new class of human fatty acid synthase inhibitors synthesis and their anticancer evaluation BY- S Jubie ,B Bincy ,A Jameera Begam ,W Ashish ,R Kalirajan & Md Afzal Azam * Page No. 671
- Synthesis and antimicrobial study of 2 amino imidazole derivatives BY- Sarita Gupta ,Purnima Verma & Virendra Singh Page No-679
- Synthesis ,biological evaluation and docking studies of a new series of tris- heterocycles containing pyrazole ,triazole and oxadiazole BY- Gaddam Rajesh Kumar ,Kurre Shankar & Cherkupally Sanjeeva Reddy *Page No. 687
- Synthesis of novel bis -2aryi-1-3thiazolan -4-ones as antimicrobial nematocidal and anticancer agents BY- Gaddam Rajesh Kumar ,Kurre Shankar & Cherkupally Sanjeeva Reddy * Page No- 700
- Catalytic performance of preyssler heteropolyacids and synthesis experimental theoretical characterizations ,florescence properties of 1,-8- dioxodeca hydroacridine derivative BY- Zahra Baradaran –Sirjani Mina Roshani ,Maryam Khashi &S Ali Beyramabadi Page—715
- D-Tryptophan methyi ester as an effective reagent for the preparation of optically gossypol BY-Trinh Thi Nhung ,Nguyen Thanh ,Vu, Dinh Tien ,Luu Duc Huy & Tran Khac Vu * Page No-722
- Design synthesis and structure –activity relationship studies of novel diaryl ether amides as potential antitumor agents BY- Man-Yi Zheng, Zhi –Ning Huang ,Shao- Mei Yang ,Han-Liang ,Lu-Xu,Bao –Rui Wang ,Li-Juan Wang Hai-Li Wang ,Shan-Hua Li &Fu-Nan Li* Page No. 727

Synthesis of 3—2h-chromen-2-ones as anticonvulsant agents BY- B Naga Sudha V
Girija Sastry ,M Sai Harika & N Yellasubbaiah * Page No. 737

7. Indian Journal of Experimental Biology

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

ISSN: 00195189

Vol-56 No. 04

pp215-288

April- 2018

Frequency : Monthly

Articles

- Anticancer activity of hmgal promoter targeting triplex forming oligonucleotide in HeLa cell line BY- Md .Zahid Akhter & Moganty R Rajeswari Page No -219
- Biochemical assessment of flavonoid rich methanoli extract from *Oxalis corniculata* and its role in food preservation ,antimicrobial and antioxidative paradigms using in situ and in vitro models BY- Sayani Mukherjee, Sudin Pal ,Rajarshi Chakraborty ,Hemanta Koley & Pubali Dhar . *Page No-230
- Screening of biologically active microbial strains having therapeutic applications BY- Akanksha Srivastava ,Jyoti Verma Harshita Singh Ram Niwas , Kumari Vibha Mamta Gangwar ,Amreen Khan ,CKM Tripathi & Vineeta Singh * Page No-244
- Analysis of chemical composition of *Cupressus torulosa* essential oli and bioautography guided evaluation of its antimicrobial fraction BY- Sahil Gupta ,Madhulika Bhagat ,Rasleen Sudan , Sangeeta Rajput & Kusum Rajput*Page No-252
- Mass multiplication of arbuscular mycorrhizal fungi associated with some leguminous plants an ecofriendly approach BY- Nisha Kadian ,Kuldeep Yadav & Ashok Aggarwal *Page No-258
- Plant growth promoting activities of rhizosphere bacteria from ferns *pronephrium nudatum* Holttum and *Bolbitis heteroclite* Ching an analysis of fern –rhizosphere relationship BY- Aniruddha Sen MK Bhattacharya HK Prasad & GD Sharma page-267
- Prduction ,Purification and kinetics of chitinase of *Stenotrophomonas maltophilia* isolated from rhizospheric soil BY- Sohail S Shaikh ,Sonal J Wani ,RZ Sayyed ,Rishu Thakur & Arvind Gulati*Page No -274
- Indigenous and Ethanol Vortex ELISA kits for diagnosis of *Mycobacterium avium* subsp paratuberculosis infection in cattle Is there a globally relevant kit in the Reverse Ice-burg environment BY- Kundan Kumar Chaubey Shoor Vir Singh Saurabh Gupta , Naveen Kumar Singh Sujata Jayaraman Bjorn John Stephen Kirshna Dutta Rawat ,Manju Singh ,Jagdeep Singh Sohal & Kuldeep Dhama Page No-279

7.1 Indian Journal of Experimental Biology

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

ISSN: 00195189

Vol-56 No. 05

pp289-358

May- 2018.

Frequency : Monthly

Articles

- Estrogenized mouse model of polycystic ovary highlights mitochondrial pathway of apoptosis BY- Gayatri Shinde ,Sushma Khavale ,Roshan Dadachanji, Serena D,Douza Tarala Nandedkar & Srabani Mukherjee Page No -293
- High HPV load and sexually transmitted infections increase the risk of abnormal cervical cytology in HIV infected women in India BY- Debjani Guha ,Chengli Shen, Phalguni Gupta ,Rohini Nandan Chakraborty & Ramdas Chatterjee *Page No-305
- Catechin ,an active constituent of green tea ,preserves skeletal muscles activity in dexamethasone induced cachexia by increasing acetyl choline sensitivity in muscles of Wistar rats BY- Thammara Saimithra ,Nitesh Kumar ,Krishnadasa Nandakumar ,Madhavnan Nampoothiri & allikarjuna Rao * Page No-314
- Complete genome sequence analyses of an Indian cattle strain of bovine viral diarrhoea virus 2 BY- Niranjana Mishra ,SP Behera ,S Kalaiyarasu ,RK Nema ,Pooja Dubey & K Rajakumar *Page No-322
- Fluctuating temperature A cause for survival and development of entomopathogenic nematodes Heterorhabditis indica and Steinernema carpocapsae BY- Devindrappa Jagadeesh patil ,T Manjunatha Gowda ,R vijayakumar & Abraham Verghese *Page No-327
- Bioprospecting and characterization of laccase producing bacteria from paddy fields of Himachal Pradesh BY- Karuna Dhiman & Poonam Shirkot page-334
- Development of an efficient cryoconservation protocol for Himalyan mulberry using dormant axillary buds as explants BY- Ravish Choudhary SK Malik & Rekha Chaudhury *Page No -342
- Short term inhalation exposure to silica aerosol on respiratory parameters monitored by online computer programme in mice BY- R Vijayraghavan ,Sonia Johari & Sangeetha Shukla Page No-351

7.2 Indian Journal of Experimental Biology

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

ISSN: 00195189

Vol-56 No. 06

pp359-438

June-2018.

Frequency : Monthly

Articles

- Nanoparticles influence seed germination traits and seed pathogen infection rate in forage sorghum and cowpea BY- Aniruddha Maity ,N Natarajan ,M Pastor D, Vijay ,CK Gupta & VK Wasnik Page No -363
- Molecular characterization of microsymbionts associated with root nodules of *Crotalaria burhia* Buch-Hum ex Benth a native key stone legume species from the Thar Desert of India BY- Indu Singh Sankhla ,Nisha Tak ,Raju Ram Meghwal ,Sunil Choudhary ,Sonam Rathi, Alkesh Tak & Hukam Singh Gehlot *Page No-373
- In vitro Mutagenesis and characterization of mutants through morphological and genetic analysis in orchid *Aerides crispa* Lindl BY- Deepti Srivastava ,MC Gayatri & SK Sarangi * Page No-385
- Molecular characterization of bacterial biocontrol agents and their chitinase genes from tea soil BY- M Suganthi ,S Arvinth ,KN Chandrashekara ,R Rajkumar & P Senthilkumar *Page No-395
- Isolation and characterization of immunoglobulin from African catfish *Clarias garipinus*,BY- Vipin Kumar Verma ,Neeta Sehgal & Om Prakash *Page No-402
- Immunomodulatory effects of edible Chinese black ant *Polyrhachis vicina* Roger extract using supercritical CO₂ BY- Qingfeng Tang & Yin Dai page-411
- Effects of bisphenol A on streptozotocin treated female mice BY- Barbara Arroyo-Salgado ,Maria Garcia –Espineira & Jesus Olivero –Verbel *Page No -419
- Antioxidant Anti-inflammatory ,Antitumor and Antimicrobial activity of *Tribulus terrestris* L. fruit extract in vitro BY- Sonal Chauhan ,Dhara Sharma Harish Chandra Goel Page No-430

8. Indian Journal of Pure & Applied Physics

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

ISSN: 0019-5596

Vol-56, No.04 pp.253-356

April-, 2018.

Frequency: Monthly

Articles

- FTIR spectral studies and dielectric relaxation studies on binary solutions of ethyl acetate with bromobenzene By – N K Karthick, G Arivazhagan, P P Kannan, & A Mahendraprabhu* Page No. 261
- Vibrational spectra for closoborate and metal doped closoborate using ab initio method By - Ravinder Konda & Ajay chaudhari* Page No. 265

- Dielectric relaxation behavior of triethylene glycol [TEG]+water mixture as a function of composition and temperature using TDR technique By – P G Hudge, R N Pawar, B D Watode & A C Kumbharkhane* Page No. 269
- Thermo acoustic and optical properties of aqueous polyvinyl pyrrolidone (PVP-40) using spectroscopic techniques By- Kunal H Wananje, Komal B Kabara, Rahul P Sonsale, Mahesh S Kanshette & Arvind V Sarode* Page No. 276
- Study of dielectric relaxation and hydrogen bonding interaction in binary mixtures of methoxy polyethylene glycol and water By- R N Mathpati, S B Shinde, D G Rathod, K S Kanse & Y S Joshi* Page No. 282
- Dielectric dispersion and thermodynamical effect of aqueous morpholine by using picoseconds TDR By- P Senthilkumar, T Ganesh, K Vinoth, M Maria Sylvester & D J S Anand Karunakaran* Page No. 288
- Temperature of the disc integrated sunlight from the intensity measurements of rotational lines of the bands of A-X system of CH molecule By – Supriya behere, Bhagawan Deshmukh, Sunil Patil & S H Behere* Page No. 294
- Dielectric dispersion study of glycol ethers and their binary mixtures with water By – J B Shinde, D N Rander, Y S Joshi & K S Kanse* Page No. 301
- Relaxation dynamics in crab hemolymph protein: A biophysical approach through dielectric spectroscopy By – K Kabara, K Wananje, R Sonsale, S Padghane & A Sarode* Page No. 307
- Microwave spectroscopy modeling for geophysical parameter retrieval using synthetic aperture radar (SAR) dataset By- M A Shaikh, S M Anpat, A K Dongare, P W Khirade, S B Sayyad* Page No 311
- Time domain dielectric spectroscopic studies of interaction of rat tail tendon collagen with potassium oleate and cetylpyridinium chloride in aqueous acetate buffer solution By – D Gopalakrishnan & R Sampathkumar* Page No. 315
- Dielectric relaxation studies in water mixtures of dipropylene glycol using a time domain reflectometry technique By – P A Chalikwar, A W Pathan, A R Deshmukh, M P Lokhande & A C Kumbharkhane* Page No -321
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- Dynamics and interactions in aqueous polyvinylpyrrolidone (PVP K-30): An approach using dielectric relaxation spectroscopy By- Arvind V Sarode, Ashok C Kumbharkhane & Suresh C Mehrotra* Page No. 335
- Spectroscopic characterization of metal decorated benzene and boron/nitrogen substituted benzene By – Priyanka Tavhare & Ajay Chaudhari* Page No. 341
- Dielectric relaxation and hydrogen bonding interaction of solvents time domain reflectometry technique from 10 MHz to 50 GHz By- A R Deshmukh, R V Shinde, S A Ingole, A W Pathan, M P Lokhande, A V Sarode & A C Kumbharkhane* Page No. 346

8.1 Indian Journal of Pure & Applied Physics

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

Vol-56, No.05 pp.357-418

MAY-, 2018.

ISSN: 0019-5596

Frequency: Monthly

Articles

- A facile approach to fabricate graphene based piezoresistive strain sensor on paper substrate BY-Monika ,kapil Bhatt, Cheenu Rani Ankit Kapoor ,pramod Kumar Shilpi ,Sandeep Kumar, Sandeep Randhir Singh & C C Tripathi * Page No. 361
- Enhanced sensitivity with thickness optimization of ZnO based acetone sensor BY- Manish Deshwal & Anil Arora * Page No. 367
- Investigations sensing properties of tapered photonic crystal fiber refractive index sensor BY- A K Pathak & V K Singh * Page No. 373
- Construction and characterization of a phototherapy radiometer for optical radiation measurements BY- Sameh M Reda ,Karim A Mohammad & Samaa M El-faramawy * Page No.-379
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