CAS Bulletin
Science section

Volume: 3, Issue No.: 1, March 2018

Content

Prepared by
VIVA Library Team,
Tel.: 0250-2515278
E-Mail: Library@vivacollege.org
Website:
www.vivacollege.org/library.aspx

Library Usage Statistics 2
Events 3
New Arrival Books 6
List of Journals 7
Contents of Journals 8
Suggestions/ feedback 28
Library Collection
(As on 31st March.2018)

Total Books: 48259
Periodical: 74
Journals: 43
Magazines: 31
Newspapers: 31

Non-Book Materials
CDs: 252
Maps: 51
E-resource: N-List (consortium) Including 6000+ E-journals & 31, 35,000+ E-books.

Institutional Membership of American Library

Library Usage Statistics

<table>
<thead>
<tr>
<th>MONTH</th>
<th>HOME ISSUE</th>
<th>INTERNET</th>
<th>WALK-IN</th>
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<tr>
<td>January</td>
<td>3448</td>
<td>372</td>
<td>15287</td>
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<tr>
<td>February</td>
<td>2233</td>
<td>776</td>
<td>14782</td>
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<tr>
<td>March</td>
<td>3528</td>
<td>605</td>
<td>17554</td>
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Chart showing usage for January, February, and March.
Celebrating Centenary of Vinda Karandikar

The VIVA Library Celebrates Centenary of Vinda Karandikar on 25th Jan 2018 on this occasion Library organized “Kavya Vachan Spardha” in memory of Vinda Karandikar a renowned Marathi poet. In this competition good number of students and staff took part and recited different poems.

The event was well received and appreciated by students and staff.

Glimpses of Programme
VIVA College Library celebrates “Marathi Rajbhasha Gaurav Din”

A great poet, play writer, critic and Dnyanpeeth awardee “KUSUMAGRAJ’s” (Shree Vishnu Waman Shirawadakar) birthday is celebrated as “Marathi Rajbhasha Gaurav Din” on 27 February 2018. On this occasion VIVA College Library in collaboration with Department of Marathi Vangmay Mandal & National Service Scheme organised various literary Event.

The winners of Handwriting & Essay writing competitions which were held on 15th & 16th Feb 2018 were felicitated during this occasion. These competitions were very popular among Teachers, Students, & Non-teaching staff in which more than 416 participants were participated. Best Reader award was also given to best Reader.

The programme was well received and appreciated by all the students, Non-teaching staff and Teaching fraternity.

Glimpses of Programme
Tribute to Savitribai Phule & Stephen William Hawking

It has been a tradition and good practice of VIVA Library to tribute “Dyanjyoti Savitribai Jyotirao Phule” every year. Library displayed books on Savitribai Phule on 10th March 2018 to respect and commemorate the great social reformer and pioneer in girl’s education.

In an another event the library also exhibited books on “Stephen William Hawking”, a great Scientist and Astrophysicist on 17th March 2018.

The objective of these book displays was to create a sense of respect and tribute to these social reformer and scientist among students and staff members.
# New Arrival Books

## Information Technology (Mathematics)

<table>
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<tr>
<th>ACC.NO.</th>
<th>AUTHOR</th>
<th>TITLE</th>
<th>CALL. NO.</th>
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<tr>
<td>BIT5060</td>
<td>GUPTA, S. C./KAPOOR, V. K.</td>
<td>FUNDAMENTALS OF MATHEMATICAL STATISTICS</td>
<td>519.5/GUP</td>
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<td>BIT5070</td>
<td>KAPUR, J. N./SAXENA, H. C.</td>
<td>MATHEMATICAL STATISTICS</td>
<td>519.5/KAP</td>
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<tr>
<td>BIT5080</td>
<td>SPIEGEL, MURRAY R./STEPHENS, LARRY J.</td>
<td>STATISTICS : SCHAUMS OUTLINES</td>
<td>519.5/SPI</td>
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## Zoology

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<th>ACC.NO.</th>
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<tr>
<td>BI1270</td>
<td>DUBEY, R.C.</td>
<td>TEXTBOOK OF BIOTECHNOLOGY</td>
<td>578.7/DUB</td>
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<tr>
<td>BI1271</td>
<td>VERMA, P. S./AGARWAL, V. K.</td>
<td>ENVIRONMENTAL BIOLOGY ; PRINCIPLES OF ECOLOGY</td>
<td>577/VER</td>
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<tr>
<td>BI1272</td>
<td>SHETTY, NANDINI</td>
<td>IMMUNOLOGY ; INTRODUCTORY TEXTBOOK</td>
<td>571.96/SHE</td>
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<tr>
<td>BI1273</td>
<td>KENT, GEORGE / CARR, ROBERT K.</td>
<td>COMPARATIVE ANATOMY OF THE VERTEBRATES</td>
<td>571.316/KEN</td>
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<td>BI1274</td>
<td>VEGAD, J. L.</td>
<td>VETERINARY GENERAL PATHOLOGY</td>
<td>626.08944/VEG</td>
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<td>BI1275</td>
<td>ZVELEBIL, MARKETA / BAUM, JEREMY O.</td>
<td>UNDERSTANDING BIOINFORMATICS</td>
<td>572.80285/ZEV</td>
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<td>BI1276</td>
<td>MATHUR, RAMESH / MEHTA, MEENAKSHI</td>
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<td>BI1277</td>
<td>PUROHIT, S. S.</td>
<td>BIOTECHNOLOGY FUNDAMENTALS OF APPLICATIONS</td>
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<td>BI1278</td>
<td>MAHESHWARI, NANDA</td>
<td>CLINICAL PATHOLOGY HEMATOLOGY AND BLOOD BANKING</td>
<td>362.1784/MAH</td>
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<td>BI1279</td>
<td>KAWTHALKAR, SHIRISH M.</td>
<td>ESSENTIALS OF HAEMATOLOGY</td>
<td>616.15/KAW</td>
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<td>BI1280</td>
<td>KAR, ASHUTOSH</td>
<td>PHARMACOGNOCY AND PHARMACOBIOTECHNOLOGY</td>
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<td>BI1281</td>
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<td>PRINCIPLES OF INSECTS MORPHOLOGY</td>
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<td>DARLINGTON, PHILIP J.</td>
<td>ZOOGEOGRAPHY THE GEOGRAPHICAL DISTRIBUTION OF ANIMAL</td>
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## Hospitality Studies

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<td>BHM672- 681</td>
<td>Naqvi, Nafees</td>
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## List of Journals

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<tr>
<td>1</td>
<td>Indian Journal of Experimental Biology</td>
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<td>Indian Journal of Chemistry Section A</td>
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<td>Indian Journal of Chemistry Section B</td>
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<td>5</td>
<td>Indian Journal of Traditional Knowledge</td>
<td>Monthly</td>
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<td>6</td>
<td>Journal of Scientific and Industrial Research</td>
<td>Monthly</td>
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<td>7</td>
<td>Digit</td>
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<td>8</td>
<td>Electronics For You</td>
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<td>9</td>
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<td>10</td>
<td>PC Quest</td>
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<tr>
<td>11</td>
<td>The IUP Journal of Computer Sciences</td>
<td>Quarterley</td>
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</tbody>
</table>
Contents of Journal

1. Indian Journal of Experimental Biology
   Website: http://www.niscair.res.in; http://nopr.niscair.res.in   ISSN: 00195189
   Vol-56 No.1 pp.1-68 January-2018 Frequency : Monthly

   Article

   - Influence of age on mating propensity in two sibling species, Drosophila ananassae and D. pallidosa BY- Roshni Singh & Bashish N Singh Page No -7

   - Larvicidal efficacy of silver nanoparticles synthesized biologically using Swietenia mahagoni jacq leaf extract against Anopheles stephensi, culex quinquefasciatus and cx vishnui group BY- Utpal Adhikari, Kuntal Bhattacharya, Partha Mitra & Goutam Chandra Page-14

   - Rapid and efficient Agrobacterium mediated transformation of early scutellum derived calli of indica rice BY- K Venkat Raman Diksi Aggarwal, S Raghavendra Rao, Rohini Sreevathsa Ak Singh MZ Abdin T Mohapatra & Debasis Pattanayak *Page No-20

   - Physicochemical mechanisms of resistance in sorghum to Chilo Partellus BY- Mukesh K Dhillon & DP Chaudhary * Page No-29

   - Evaluation of nutraceutical properties of finger millet genotypes from mid hills of northwestern Himalayan region of India BY- Anubhuti Sharma, R Arun Kumar, Salej Sood, RK Khulbe Pk Agrawal & JC Bhatt *Page No-39

   - Nutritional analysis of selected species of of Alternanthera Forsskal BY- TS Preeyha, Anju S, Anilkumar S & I Mini .Page No-48

   - Evaluation of anxiolytic effect of zonisamide and its combination with bupropion in mice BY- Ruby Philip Vallikalayil, Pravin Popatrao Kale & Jay Savai Page No -54

   - Evaluation of nootropic effects of galantamine and sildenafil as a combination in mice BY- Bhavna Shantilal Bohra & Pravin Popatrao Kale *Page No-60
1.1 Indian Journal of Experimental Biology

Website: http://www.niscair.res.in; http://nopr.niscair.res.in
ISSN: 00195189

Vol-56 No. 02 pp.69-142 February-2018 Frequency : Monthly

Articles

- Time requirement for sexual maturity of the African catfish Clarias gariepinus in captivity BY- Subir Kumar Juin & Panchanan Nath Page No -75

- Thioredoxin fused CHH1 protein as antigen for polyclonal antisera Application to regulate glycemia in penaeus monodon BY- Vrinda S Jasmin C, Rosamma Philip & Bright Singh IS . *Page No-83

- Hormonal status and distribution of the ABO system ohenotypic groups in menopausal and postmenopausal women with breast tumors BY- Marina Koridze ,Davit Baratashvili ,Rusudan Khukhuaishvili Irina Nakashidze ,Nine petrovic ,Marina Nagervadze ,Nato Zosidze ,Sophiko Tskvitindze ,Nanuli Kotrikadze & Sarfraz Ahmad * Page No-93

- Proteomic investigation of the molecular mechanism of king cobra venom L-amino acid oxidase induced apoptosis of human breast cancer cell line BY- Shin Yee Fung , Mui Li Lee & Nget Hong Tan *Page No-101

- Characterzation and optimization of fruit body yield in volvariella white strain BY- OP Ahlawat & Harleen Kaur *Page No-112

- Opportunistic endophytism of Trichoderma species in rice Pusa basmati BY- Verna Colette Leon M RaJa , R Thava Prakasa Pandian A Kumar & Pratibha Sharma page-121

- Effect of dietary antioxidants on growth and development of Taro caterpillar Spodopterra litura BY- Kirti Sharma ,Sridhar J &RK Sharma *Page No -129

Articles

- High sucrose diet induced diabetes in WNIN/Gr-Ob obese rats; Biochemical and histological changes BY Aruna Potukuchi, Uma Addepally Chiranjeevi potu, Malathi, Upadrasta, Surekha Mullanpudi Suresh Pothani & Raghunath Manchala Page No -149

- Protective effects of silymarin against isptretinon induced liver and kidney injury in mice BY Meltem Kumus, Mukaddes Esrefoglu & eray Metin Guler. *Page No-158

- Protective effect of hesperetin against acrylamide induced acute toxicity in rats BY Sadhana Shrivastava, Chhavi Uthra, Mohd, Salim Reshi, Asha Singh, Deepa Yadav & Sangeeta Shukla * Page No-164

- Preparation of nano albumin –flutamide conjugate and evaluation of its in vitro drug control release anticancer activity and genotoxicityBY-S Karthick Raja Namnivayam & AT George Robin *Page No-171

- Induction of high frequency somatic embryogenesis and analysis of developmental stagewise expression of SERK1 gene during somatic embryogenesis in cultures of vigna radiate R. Willczeck BY Vajravel Sindhujaa Muniraja Gnanaraj Maluventhen Viji THirupathi Karuppanapandian & Kumaniah Manoharan *Page No-180


- Use of scale for the growth study of Indian major carp in tropical freshwater BY- NC Ujjania & Nandita Soni*Page No -202

- Induced systemic resistance by 2,4 diacetylphloroglucinol positive fluorescent pseudomonas strains against rice sheath blight BY- Reshma P, Naik MK, Aiyaz M Niranjana SR, Chennappa G, Shaikh SS & Sayyed RZ Page No-207

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

ISSN: 0376-4710


Articles

- Calcium oxalate crystallization in SDS solutions BY- Yan Li, Xifeng Lu, Xiaodeng Yang & Yulin Wang page– 9

- Enhanced Photocatalytic activity of mesoporous nano titania decorated with zinc phthalocyanine By- P V R K Ramacharyulu & G K Prasad Page – 18

- In situ synthesis and characterization of Prussian blue nanocubes on graphene oxide and its application for H2O2 reduction BY- Cheng-xiang Ge, Peng –Jun Li ,Juan- hua Lai & ping Qiu Page – 26

- A highly specific heterostructure composed of N-doped TiO2 anatase nanoparticles and double layer Au for detection of thiophene molecule A DFT study BY- Amirali abbasi & Jaber Sardroodi Page – 34

- Crystal structure ,configurational and DFT study nickl complexes with N2O donor type Schiff base ligand BY- Yogendra Pratap Singh,Ram N Patel & Yogendra singh-Page-44

- Early lanthanoid substited organic –inorganic hybrids of silico- and germaine –tungstates Syntheses crystal structures and solid properties BY- Rakesh Gupta ,Swati Parbhakar ,Imran Khan Jogendra Nath Behera & Firasat Hussain Page – 52

- Coumarin based azo dyes as anion sensors A spectrophotometric study BY-Nilanjan Chakraborty ,Sutanwi Bhuiya Arijit Chakraborty & Suman Das Page – 89

2.1 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


Articles

- Theoretical study of B NMR chemical shifts of Prototypical boranes The case of closo BY- A Morales –Bayuelo J M Catalan Lavin & r Ramirez –Tagle page– 143
Theoretical investigation into the cooperativity effect and thermodynamic property of nitroguanidine C2F4H2O fernery complex BY- BinLi Guang- Ming Zhao & Xiao –Juan Guo Page – 150

Binding interaction of a piperazinylquinoline derivative with cyclodextrin Cd2+ ions BY- M Sumithra G Tamil Selvan , S Suganthi ,Pmosae Selvakumar & Israel V M V Enoch Page – 163

Ion-Pair single-drop microextraction with ATR-FTIR determination of phosphate in water samples By-Swati Chandrawanshi Santosh Kumar Verma & Manas Kanti Deb Page – 168

Urease immobilized potentiometric biosensor for determination of urea BY- Kawan Sihombing ,Monica Chrisdayanti Tamba , Winry Sulistiani Marbun & Manihar Situmorang Page-175

Functional 1,8-naphthyridine copper complex as efficient catalyst for n- arylation of imidazoles coupling reactions BY- Gao –Zhang Gou , Na Wu Ju –Cheng Zhang , & Shao- Ming Chi Page – 181

BODIPY-based fluorescent sensors with tunable binding ability to fluoride and hydrogen sulfate anions BY- Qian Li ,Yehong Guo & Yuan Chen Page – 186

2.2 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


Articles

Oxovanadium complexes of polypyridyl bases as photocytotoxic and DNA crosslinking agents BY- Arun kumar ,akanksha Dixit Samya Banerjee Sanjoy ,Somarupa Sahoo, Anjali A Karande & Akhil R Chakravarty page– 409


Catalytic liquid phase oxidation of cyclohexane with tert butylhydroperoxide over transition metal exchanged a zirconium phosphate BY- Savita Khare ,Priti Shrivastava Rajendra Chokhare jagat Singh Kirar & Swati & Parashar Page – 427

- Methacryloyloxcalix areene based ion imprinted polymer as ag potentiometric sensor BY- Izzet Sener Seyma Ayci Deniz Ugurag & Ebru Birlik Ozbekittik page– 444

- Sonochemical synthesis of Zno ,Nio and nanoparticles and their catalytic activity for thermal decomposition and ammonium perchlorate BY- Seyed Ghorban Hosseini & Zahra Khodadadipoor Page – 449

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

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

ISSN: 0376-4699

Vol-57B, No.1 pp.75-136 January- 2018 Frequency : Monthly

Article

- Titanocene chloride mediated radical induced synthesis of isobenzofuranones via allylation of aldehydes followed by in situ lactonization BY-Shirshendu Mukherjee & subhas Chandra Roy Page -85

- Synthesis and cytotoxic evaluation of cholestery 6-0- acyl-B- D-galactopyranosides BY- Srikanth Vudhgiri ,Koude Dhevendar ,Sunil Misra RB N Prasad & Ram Chandra Reddy Jala Page – 91

- Synthesis and biological activities of nicotinaldehyde based azlactones BY- B China Raju Page - 98

- Experimental and DFT studies for substituent effects on cycloadditions of C N –disubstituted nitrones to cinnamoyl piperidine BY-Sutapa Mandal ,Kaustabh K Maiti ,Avijit Banerji , Thierry Alain N'euman & Nivedita Acharjee Page -108

- A novel selective chemise for mg detection based on quinoline –crown ether BY- Ruifang Ma , Qiaohona Li & Qiang Zhang Page – 120

- Sufonylurea derivatives of tolbutamide analogues synthesis and evaluation of antimicrobial and antioxidant activities BY- DB Janaki Ramudu , Pulluru , ?Hari Babu , nagam Venkateswarlu , Tartti , Vijaya ,S Rasheed , Chamarthi Naga Raju & Ponne Venkata Chalapathi Page -127
3.1 Indian Journal of Chemistry: Section B-Organic including Medicinal
Website: http://www.niscair.res.in; http://nopr.niscair.res.in ISSN: 0376-4699
Vol-57B, No.2 pp.201-314 February-2018 Frequency: Monthly

Articles

- Imidazole and oxazole containing fluorescent dyad Cu induced fluorescence quenching and cyanide sensing on –off- on ‘BY- Arvind Misra & Rashid Ali Page -217

- Delayed fluorescence based phenanthroimidazoles OLED emitters having electron transporting properties BY- Peethani Nagaraju Madhu , Maneesha Esther Mohanty & Vaidya Jayathirtha Rao Page – 229

- Ph-Responsive supramolecular assemblies of Hoechst-33258 with cucurbiturils Modulation in the Photophysical properties By- Nilotpal Barooah , Achikanath C Bhasikuttan & Jyotirmayee Mohanty Page - 241

- Photophysical modulations of biologically potent small molecules in biocompatible microheterogeneous environments created by cyclodextrins and lipid vesiccccles BY-Pradipta Purkayastha page-254

- Carbon dots as a nanotool for integrated photo-dynamic therapy and chemotherapy BY- Sonam Kumari ,Seema Singh & Prolay das Page-265

- Supramolecular assistance of photocycladdition for cross –photodimerization BY- Mahesh Pattabiraman & Vijayakumar Ramalingam Page-271

- Dimeric carbocyanine dye and nucleic acid aptamer mediated detection of food borne toxin BY- Pallavi Chilka Prathap Reddy Patlolla & Bhaskar Datta Page-281

- Synthesis and photophysical [roperties of pyrrolonaphthyridin -11 one derivatives BY- Raghnath B Toche & Balasaheb P Pagar Page – 287

- Recent developments in designing optical sensors for detection of basic amino acids BY- Aafirn M PettiwalaPrabhat K Singh Page – 293

- Excited state and Fluorescence probe properties of donor –acceptor subsitituted ethenes A plausible photochromic material for organic ekektronics BY-Jagdeep Kumar ?Naresh Kumar & Prasanta Kumar Hota Page-301

- Bay- and ortho ring annulated perylenediimies Synthesis and their panchromatic absorption BY- Ramprasad Regar , Adiki Raja Sekhar ,RuchikaMishra & Jeyaraman Sankar Page - 308
3.2 Indian Journal of Chemistry: Section B-Organic including Medicinal
Website: http://www.niscair.res.in; http://nopr.niscair.res.in
ISSN: 0376-4699
Vol57-B, No.3 pp315-400 March-2018 Frequency: Monthly

Articles
- Stereoselective carbon-carbon bond formation via 1,2- asymmetric induction by a β-substituent in the reaction of α-chloro sulfides with organozinc reagents By- S Raghavan* & L Raju Chowhan Page -327
- Chemoselective synthesis of 1,1-diacetates under solvent-free condition using efficient heterogeneous ecocompatible catalyst: P$_2$O$_5$/kaolin BY-Nityanand Rai & Abha Sharma Page - 340
- An expedient synthesis of isoxazolo- and pyrazolo- acidines with molecular docking studies By- R Satheeshkumar, K PraveenKumar, P Shanmughavel & K J Rajendra Prasad Page - 345
- Synthesis of mordant azo dyes using supported diazonium ions and Bronsted acidic ionic liquids BY-Pranab J Das & Jesmin Begum page-355
- Metal-free and FeCl$_3$ catalyzed synthesis of azines and 3,5-diphenyl-1H-pyrazole from hydrazones and/or ketones monitored by high resolution EST-MS. BY- Jamal Lasri & Ali I Ismail Page-362
- Synthesis and antioxidant, antiiurease and antixanthine oxidase activities of some new benzimidazoles bearing triazole, oxadiazole, thiadiazole and imin function BY - Nesrin Karaali Page – 374
- Synthesis and antimicro evaluation of novel 5 – substituted – 2 (p-tert-butylphenyl) benzoazoles. BY- Meryem Tasci, Ozlem Temiz Arpaci Page – 385
- Synthesis and antimicrobial activity of some 5 – chloro -3 phenyl-1H-indole -20carbonyl derivatives. BY – S M Basavarajaiah and Mruthyunjayaswamy Page - 390

Website: http://www.niscair.res.in; http://nopr.niscair.res.in
ISSN: 0019-5596
Vol-56, No.01 pp.1-84 January-2018. Frequency: Monthly

Articles
- Studies on single step facile growth of different tin oxide nanostructure at room temperature BY- Sanddep A Arote & Vilas A Tabhane Page No-7
• Investigation of Zno nanoparticles for dye their applications in wastewater treatment and antimicrobial activity BY- Neha Rana, Kalan S Ghosh, Subhash Chand & Arvind K Gathania Page No-19

• Studies on triple junction electric field in ferroelectric cathodes BY- Meduri Ravi & K S Bhat Page No-26

• Spectroscopic and quantum mechanical investigations of phenylprop-2-enamide using density functional theory method BY- S Abbas Manthri R Raj Muhamed, R Rajesh & V Sathyanarayananamoorthi Page No-34

• Comparison of measured and Monte Carlo—calculated electron depth dose distributions in aluminium BY- S Vandana P G Benny & T Palani Selvam. Page No-48

• Second law analysis in MHD flow and heat transfer of a rotaing Casson fluid over an stretching surface BY- Shalini Jain & Rakesh Choudhary Page No-53

• Application of homotopy perturbation method for MHD free convection of water at 4 C through porous medium bounded by a moving vertical plate BY- A K Jhankal Page No-63

• Investigations of structural chemical and physical properties of natural lac and its reinforced composites BY- Sukhvir Singh, Vandana Singh & Ashish Kumar Gupta Page No-69

• Dispersion characteristics of novel class multi-clad dispersion shifted hollow for WDM optical systems BY- Vikram Palodiya & Sanjeev Kumar Raghuvanshi Page No-76

• Comparison of measured and Monte Carlo—calculated electron depth dose distributions in aluminium BY- S Vandana P G Benny & T Palani Selvam. Page No-76

---

4.1 Indian Journal of Pure & Applied Physics

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

ISSN: 0019-5596


Articles

• Molecular orbital studies frequency and solvent dependent NLO properties of prop-2-en-1-one BY- K Anitha, V Balachandran & B Narayana Page No-91

• Vibrational spectroscopic investigations DFT computations, nonlinear optical and other molecular properties of 3-bromo-5-fluorobenzonitrile BY- S Jeyavijayan E Gobinath, K Viswanathan & J Senthil Kumar. Page No-108

• Vibrational analysis ab initio HF and DFT studies of 2,4,6-trimethyl phenol BY- S Prabhakaran & M Jamal Mohamed Jaffar Page No-119
- Structural analysis and theoretical investigations in pb additive Se-Te-Ge chalcogenide nano – composites BY- Neha Sharma ,Balbir Singh Patial & Nagesh Thakur Page No-128

- Investigations into the influence of temperature on the optical properties of NiO thin films BY- A N C Agbogu ,M P Orji & ABC Ekwealor Page No-136

- Electrical characterization of MIS diode prepared by magnetron sputtering BY- H Tanrikulu A Tataroglu ,AE E Tanrikulu & A Buyukbas Ulusan . Page No-142

- A Polarization insensitive ultrathin compact triple band metamaterial absorber BY-d Sood & C C Tripathi Page-149

- Elastic wave confinement and absorption in a dissipative metamaterial BY- Yinggang Li, Ling Chen & Qiangbo Ye Page No-158

- Aluminium metal matrix composites A retrospective investigation BY- Girija Moona,R S Walia, Vikas Rastogi & Rina Sharma Page No-164

4.2 Indian Journal of Pure & Applied Physics
Website: http://www.niscair.res.in; http://nopr.niscair.res.in ISSN: 0019-5596

**Articles**

- Ultrafast adsorption of organic dyes by activated –carbon @ Fe3O4 nanoscale composites An effective solution for water purification BY- Parvee Saini ,Rahul Sharma ,R P Pant & R K Kotnala Page No-187

- An ultrathin Polarzation insensitive frequency selective surface for wide stop band RF applications BY-S Garg ,D Sood & K Gopal . Page No-196

- Temperature dependence of J- V and characteristics of n-InAs/ GaAs heterojunctions prepared by flash evaporation technique and liquid epitaxy BY- A A M Farag ,F S Terra A Ashery ,G M M Fahim & A M Mansour Page No-203

- Application of bond energy model for different nanomaterials BY- Sandhya Bhatt & Munish Kumar Page No-210

- Relativistic solution of Eckart plus Hulthen potentials in the presence of spin and pseudospin symmetry BY- M Mousavi & M R Shojaei Page No-218
5. Indian Journal of Traditional Knowledge

Website: ijtk@niscair.res.in

ISSN-0972-5938


Articles


- Ethnobiological study of traditional medicine practices for the treatment of chronic leg ulcer in south eastern Nigeria BY- Felix I Nwafor Michel K Tchimene Peculiar F Onyekere, Nkechinyere Onweze & Celestina I Orabuez *Page-34

- Cytotoxic activities of some Turkish medicinal plants against Hela cells in vitro BY- Cagla Bozkurt- Guzel, Tuba Serbetci & Sukran Kultur *Page-43

- In vitro antibacterial and antitumor efficiency of some traditional plants from Turkey BY- Arzu Ucar Turker Arzu Birinci Yildirim Fatma Pehlivan Karakas & Hakan Turker Page -50

- An Ethnobotanical approach to animal disease and biological control in Antalya Southern Turkey BY- Suleyman Ari Mustafa Kargioglu, Hacer Irem Yildirim & Muhsin Konuk Page- 59

- Ethnomedicinal uses of exotic Palant species in South – central Zimbabwe BY-Alfred Maro *Page-71

- Membrane stabilization and andro- spermatogenic potential of standardized fraction of Cyperus esculentus L. BY Saheed Sabiu, Emmanuel Oladipo Ajani & Frans Hendrik O Neill - Page- 78


- Selected Phenolic compounds in fruits of wild growing Cornus mas L. BY- Jasna Bajic – Lubicic, orica Popovic, Rada Matic & Srdjan Bojovic * Page -91
• People’s Perception of climate change impacts and their adaptation practices in Khotokha valley
BY- Wangdue Bhutan ,Bhagat Suberi Krihna R Tiwari DB Gurung Roshan M Bajracharya &
Bishal K Sitaula *Page-97

• Mazus Pumilus Steenis Pharmacognosy BY- Saiqa Ishtiaq ,Uzma Hanif & Muhammad Shahryar
Khan Afridi Page-106

• Role of herbal drugs on neurotransmitters for treaing various CNS disorders A revuew BY-
Tarkeshwar Dubey ,Garima Sahu, Swati Kumari Bhooshan Singh Yadav & Alakh N Sahu *Page-113

• Diversity distribution pattern endemism and indigenous uses of wild edible plants in cold Desert
Biossphere Reserve of Indian Trans Himalaya BY-Lipika Sharma ,SS Samant Ashish Kumar
manohar Lal ,Kaushalya Devi & Lalit M Tewari Page -122

• Assessment of phytochemical antioxidant and genetic diversities among selected among selected
medicinal plant species of Mimosoideae BY- Manas Ranjan saha , Pallab Kar & Arnab Sen*page -
132

• Chemical analysisisnutritional content and antioxidant property of Eulophia herbacea Lindl tubers a
medicinally versatile Indian tribal nutritional food supplement By-Anil Tatiya ,Mohal Kalaskar
Yogesh patil & sanjay Surana *Page-141

• Chemical evaluation of mucuna species for L- dopa content –an anti- Parkinson ,s drug yielding
medicinal Plant from India BY-Archanap P Rina & RC Misra Page-148

• Inventory of traditional ethno–veterinary practices followed by goat Keepers in Uttarakhand BY-
BS Khadda, Brijesh Singh DV Singh JL Singh SK Singh CB singh & Dheeraj Singh *Page-155

• In silico analysis of Cyclea peltata hook .f. & Thomson root extract for docking studies of the
compound B –estradiol BY-Meena J Archana D & Santhy KS Page -162

• Clinical evaluation of Talapotaka Churna A –Plyherbal Ayurvedic formulation in type2 Diabetes
mellitus BY-Guruprasad C Nille ,KRC Reddy & JS Tripathi - *page -168

• Chemical characterization of an Ayurvedic herbo- mineral preparation –Aroyyavardhani vati A
Potential tool for quality assurance BY- A singh S Ota N Srikanth ,B Sreedhar & KS Dhiman
*Page-176

• Traditional skill of ethnic people of the Eastern Himalayas and North East India in Preserving
microbiota as dry amylolytic starters BY- Anu anupma Pooja Pradhan ,Shankar Prasad Sha & Jyoti
Prakash Tamag Page-184
- Traditional Knowledge and heirloom root vegetabes Food security in trans –Himalayan Ladakh India BY- Sonam Chorol Dorjey Angchok Phunchok Angmo ,Tsewang Tamchos & Ranjay K Singh *Page-198

- Assessment of indigenous knowledge on edibility of oyster Crassosstrea madrasensis from the Ratngiri coast of Maharashtra BY-Chogale ND ,Nirmale VH ,Metar SY ,Gangan SS, Pai R, Pawar RA & Singh H Page -204

- Indigenous approaches of orchid pest management in North East India BY- NK Meena ,Ram Pal ,D Barman & RP Pant Page -209

6. Journal of Scientific & Industrial Research

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

ISSN: 0022-4456


Articles

- Research on Quantitative measurement and Feature Analysis of Industrial Overcapacity BY-Mei Feng Yafen Yan & Rong Hao *Page-11


- Dynamic Assessment of Freight Rail Vehicles Passing Through a Jog Aperiodic Irregularity BY- WJ P Casas & C E H Viganico* Page-18

- Efficient Identity –Based Parallel Key-Insulated Signature Scheme using Pairingsover elliptic Curves*BY- R B Amarapu & PV Reddy * page-24

- Extraction of Abnormalities in MRI CT X ray and Ultrasound Images Towards Development of Efficient Compression Algoroithm * page-K Vidhya T R G Babu & S S Devi Page-29

- Improvement of Surface Finis and Reduction of Tool Wear during Hard Turning of AISI D3 using Magnetorheological Damper *BY- B Girinath ,A Mathew ,J Babu ,J Thanikachalam & S S Bose page-35

- Development of an Industrially Feasible Medium for Enhanced Production of Extremely Thermophilic Recombinant BY- S Kandiyil R Abdul Malek R Aziz & H A E1 Enshasy Page-41

- Design of Innovative Pulse Thresher BY-B K Saha & S K Mandal Page-50
• Kinetic study and Characterization of Cellulase Enzyme from Isolated Aspergillus niger subsp awamori for Cellulosic Biofuels ?By- P Pachauri S More V Aranganathan ,S B Sullia & S Deshmukh Page-55


• Novel Technique of Mima Antenna Design for UWB Applications Using Defective Ground Structures page-T V Rao A Sudhakar & K p Raju Page-66

6.1 Journal of Scientific & Industrial Research
Website: http://www.niscair.res.in; http//nopr.niscair.res.in ISSN: 0022-4456
Vol- 77 No.2 pp.73-138 February -2018 Frequency: Monthly

Articles
• Localization of Sensors by Base Station in Wireless Sensor Networks BY- P Parwekar & S Rodda *Page-83

• Identification of Protein Coding Region DNA Sequence Using Novel Adaptive Exon Predictor BY- S R Putluri & Md Zia Ur Rahman Page-87

• Enhancing the Abrasive Wear Resistance of Rotary Blade Material by Cryogenic Treatment BY- T P Singh J Singh & K Singh Page-92

• Sorption and Diffusion Phenomena in Pervaporative Dehydration of Acetic Acid through a PvA – PES Composite Membrane BY?- H K Dave & K Nath * Page-98

• Catalytic of biodiesel from Milletia Pinnata over Modified forms of Zirconia coated on Honeycomb Monoliths BY- TE MohanKumar S Z Mohamed Shamshuddin & R S Serrao * page-104

• Characterization of Fish Protein Hydrolysate from Red Meat of Euthynnus affinis and its Application as an Antioxidant in Iced Sardine By- U Parvathy K M Nizam A A Zynudheen G Ninan S K Panda & C N Ravishankar Page-111

• Neutral Avicelase from Seratia marcescens with Denim Biofinishing Potential ?By-A Shashidhar S Arza A Das S Bhattacharya & S Shivakumar page-120

• Effect of Salicylic acid Pretreatment on Functional and Sensory Quality of Minimally Processed Pomegranate Arils By-K Bhatia & R Asrey Page-125
- Extraction and Characterization of Oil from Ethiopian Mangifera Indica Seed Kernels BY- M Kemal S A Jabasingh A Yiman & J A Kumar Page-131

6.2 Journal of Scientific & Industrial Research
Website: http://www.niscair.res.in; http://nopr.niscair.res.in
ISSN: 0022-4456
Vol-77 No.3 pp139-194. March -2018 Frequency: Monthly

Articles
- The Application of Quality Function Deployment to Smart Watches –The House of Quality for Improved Product Design BY- W C Ho, A W Lee, S J Lee & Grace TR Lin page-149
- Research on the Production Efficiency of China Civilian Military Listed Companies By-Weida He, Fu & Rong Hao Page-153
- Modelling the Effects of Innovative Leadership on Productivity and Profitability By-B Yan Page-164
- Influence Factor Analysis of MEMS and IC Integration Technologies BY-Yen-Chun Lee Page-168
- Comparative Analysis of Phrase Based, Hierarchical and Syntax Based Statistical Machine Translation BY-K K Arora & S S Agrawal Page-172
- Beneficiation Opportunities for Bank from South Africa Grown Eucalyptus grandis and Pinus Patula BY-R S Moodley, J E Andrew & B Bruce Sithole Page-176
- Implementation of Highly Loss Budget NGPON Incorporating the Direct Modulation and Advance Pulse Formats BY-A Gupta, R Bhardwaj & S Bakshi Page-181
- Porcelain Reinforced Polyster Resin Composites: Preparation and Characterization BY- R Sultana, R Akter, M R Qadir, M A Gafura & M Z Alam Page-184
7. Digit
Website: www.digit.in
ISSN: 74470-25140
Vol-18, N0-1    PP-1-110    January-2018    Frequency: Monthly

Articles
• Long live Indian Comics–Page-48
• The Talk of Town Page- 54
• Furry Space Pioneers Page- 62
• A Geek,s guide to AI in Sci –Fi Page-90
• ASK the Oracle Page – 93
• Retro Gaming Guide Page- 95

7.1 Digit
Website: www.digit.in
ISSN: 74470-25140
Vol-18, N0-02    PP-1-110    February-2018    Frequency: Monthly

Articles
• The best of ces 2018–Page-14
• Geeking out with your webcam Page- 22
• Projectors vs Tvs Page – 26
• Android apps to boost your productivity Page- 28
• Gtx 1070 Ti Asus vs Zotac Page – 37
• Google Firebase Page- 44
• Geeky movies of 2018 Page – 66
• Milleenials are killing words Page- 63
• Siberian Permafrost explosions Page-72
• Desktop to Tabletop Page – 108
• The death of net neutrality Page-102

7.2 Digit
Website: www.digit.in
ISSN: 74470-25140
Vol-18, N0-03    PP-1-110    March -2018    Frequency: Monthly

Articles
• Antec P8 vs Corsair Carbide SPEC-04 TG Page- 32
• Pseudoscience Page –60
• Climate engineering Page- 68
• Single cell DNA sequencing Page –70
• Clearing up space junk Page –72
• Bacteriophages Page -74
• The sun starter Page –77
• Armed and dangerous Page –80
8. Electronics For You
Website: http://www.efymag.com
ISSN: 2454-4426
Vol-06, No-9 pp.186+8+28 January-2018 Frequency: Monthly

Articles
- CLOUD SOLUTIONS ; From Sensor to Cloud A Plug and play approach evolving Page – 24
- EMBEDDED ; Special processors to drive IoT and wearables Page – 28
- DESIGN; The golden rules of electronic circuit design Page- 36
- INNOVATION; world ,s cheapest and smallest ventilator made in India Page – 40
- INTERVIEW; Peter Carson Qualcomm You need to take that L- shaped PCB and figure out how to put millimeter wave into it Page-43
- INTERVIEW; Gaurav Sareen Sigfox India The biggest challenge today is the Lack of hardware Page – 44
- TELECOM; How the IoT is revolutionizing telecom industry Page – 50

8.1 Electronics For You
Website: http://www.efymag.com
ISSN: 2454-4426
Vol-06, No-10 pp. 132+8+28 February-2018 Frequency: Monthly

Articles
- Innovation ;Touchless Drinking & CEO SLS Just Connecting some piece of Hardware to the Internet Page – 48
- Project Report ; Business Setup for e Waste Recycling Page – 96
- Gesture Controlled Wheelchair Using ATMega 32 Page-99
- HVDC power supply design Page – 103
- Smart box for mobile chargers and modems Page-108
- Analysis of transformer inrush current using java Page – 112

8.2. Electronics For You
Website: http://www.efymag.com
ISSN: 2454-4426
Vol-06, No-11 pp. 140+8+28 March - 2018 Frequency: Monthly

Articles
- AGRITECH: Nanosensors for agricultural pest management Page-28
- INTERVIEW: Nicolas Touchard, vice president, marketing, DxOMark: “Moving towards smartphone cameras that capture the same quality photographs as DSLR cameras” Page – 67
- INTERVIEW : Sandeep Agarwal, senior vice president and head of Global Center of Excellence for IoT, Happiest Minds Technologies: “The IoT is not something which an SI partner will deploy and stop” Page-68
- Driverless cars: Automotive sectors next big business bet Page – 78
- INTERVIEW: QualityKiosk Technologies: “Test automation reduces quality assurance lifecycle by at least 50 per cent Page – 81
9. Open Source
Website: http://www.OpenSourceForU.com
ISSN-2456-4885

Articles
- Analysing Big Data with Hadoop *Page 45
- Getting Past the Hype Around Hadoop Page-49
- Open Source Storage Solutions you Can Depend On Page-52
- Build Your Own Cloud Storage System Using Oss Page-56
- A Quick Look at Cloninx the Network simulator *Page-59
- Use These Python Based Tools for Secued Backup and Recovery of Data Page- 69
- Encrypting Partitions Using LUKs Page-73

9.1 Open Source
Website: http://www.OpenSourceForU.com
ISSN-2456-4885
Vol-06, No-05 pp. 1-108 February - 2018 Frequency: Monthly

Articles
- Six Popular Open Source Cloud Platforms for the Enterprise Page-48
- A Quick Comparison of the Five Best Big Data Frameworks Page-58
- Automate File Classification with with this Python Prgram Page- 72
- An Introduction to Numpy *Page 84
- Free and Open Source Tools for Bioinformatics and Molecular Biology Page-93

9.2 Open Source
- Top Ten Open source Tools for Mathematicians Page-96
Website: http://www.OpenSourceForU.com
ISSN-2456-4885

Articles
- Ten popular Tools and Framworks for Artificial Intelligence page- 26
- How to Choose Between an RDBMS and a No SQLDatabase Page-55
- How to Choose the Right Open Source Database Page-57
- Seven Design Decisions that Apache Cassandra Successor is Built On *Page-60
- What’s Hot about MongoDB ,HBase and Cassandra Page- 68
- A Quick Look at Open Source Databases for Mobile App Development Page-89
- Open Source Databases that Work Best for IoT Page-94
- Explooring probabilistic Data Structures Bloom Filters *Page-97
10. PC QUEST
Website: http://www.PCquest.Com.


Articles
- GST and finance are the key focus of Wasme *Page-26
- We are the only one –stop point for collaboration solutions post cisco exit*Page-27.
- Myntra aims billion dollar business with Rapid *Page-29

10.1 PC QUEST
Website: http://www.PCquest.Com.


Articles
- GSP s are heavily dependent on Gstin for everything they want to do *Page-23
- Grow with SAP is our Main Mantra *Page-25
- Top 5 Apps for Your Smart Kids Page-40
- 2018: Finance Under criminal Siege *Page-54
- Government & Education sectors are hot markets for ViewSonic *Page-57
- The integration with Blue Coat is now complete*Page-58
- Good habits for safe digital transactions *Page-73

10.2 PC QUEST
Website: http://www.PCquest.Com.


- We process over 11% of global mobile money transation every day *Page-24
- Digitally Transforming to 4D *Page-30
- Bitdefender is already a famous brand worldwide *Page-33
- Drones in India –Today & Tomorrow *Page-56
11. IUP Journal of Computer Science
Website: http://www.iupindia.in

Articles

- An Analytic Quantitative Estimation of the performance of the mediator for Interaction Towards Automation of Internet protocol and Carrier –Grade Management Ecosystems BY- Raufu Oluwatoyin Raheem *Page-7

- Improving the Volatility Forecasts of Garch Family Models with the Recurrent Neural Networks BY- Amit Sahoo, Adita Garg , Jitendra jangid and Abhijeet Chandra Page-33

- An Image Analysis Approach to Marksm man Selection BY- Martins Ekata Ihebhude Olatinde David Bamidele and Francisca Nonyelum Ogwueleka Page-51

12. The IUP Journal of Information Technology
Website: http://www.iupindia.in
Vol-xiv no-1 pp-1-64 March-2018 Frequency-Quarterley

Articles

- Affinity –Aware CPU Modeling for Virtual Machines Using KVM BY-Garima Rastogi and Rama sushil *Page-7

- Evaluation and Analysis of Cyber Attacks in Nigeria BY- Adejoro Comelius Onimisi and Oguruieleka Francisca Nonyelum Page-16

- Educational Data Mining A Review BY- Smeet M Thakrar ,Navjyotsinh Jadeja and Nikunj Vadher Page-30

- Adoption of Mobile wallets in India An Analysis BY- Saurabh Mittal and Vikas Kumar Page-42

- Application of the Systems Development Life Cycle in 21'Century Military Sector BY- Adamu Sulaiman Usman and Oguruieleka Francisca Nonye mum Page-58
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