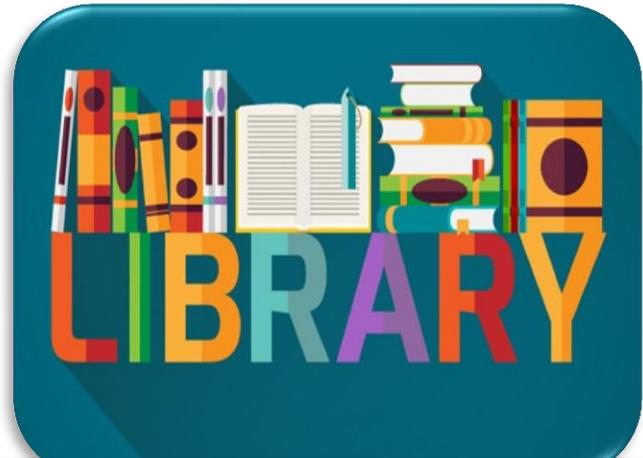




CAS Bulletin
Science section



Volume: 3, Issue No.: 1, March2018

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Library Collection

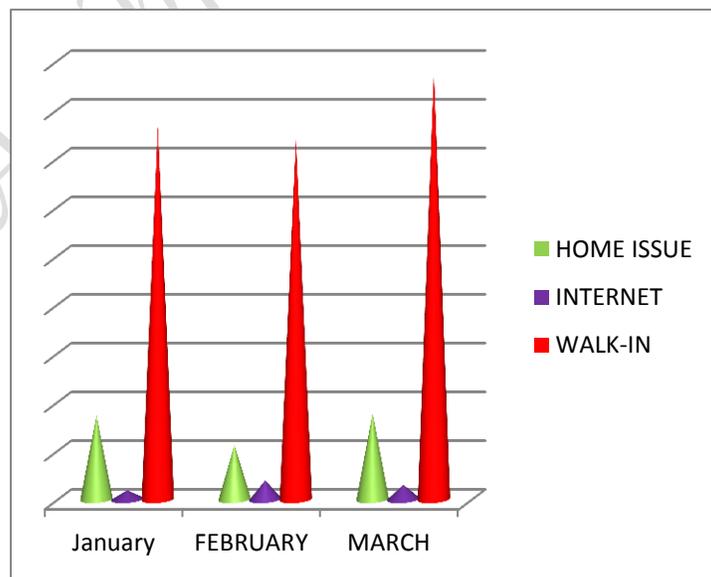
(As on 31st March.2018)

Total Books:	48259	Non-Book Materials	
Periodical:	74	CDs:	252
Journals:	43	Maps:	51
Magazines:	31	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
January	3448	372	15287
February	2233	776	14782
March	3528	605	17554



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



Shri. Vishnu Waman Thakur Charitable Trust's
Bhaskar Waman Thakur College of Science,
Yashvant Keshav Patil College of Commerce,
Vidhya Davanand Patil College of Arts,
VIVA College
(NAAC ACCREDITED-'B' Grade, CGPA 2.69)

गंधालय आयोजित
विंदा करंदीकर जन्मशताब्दी वर्षानिमित्त
“ काव्यवाचन स्पर्धा ”

दिनांक : २५ जानेवारी २०१८
स्थळ : गंधालय वाचन कक्ष (नवी इमारत)
वेळ : सकाळी १० वाजता



VIVA College Library celebrates “Marathi Rajbhasha Gaurav Din”

A great poet, play writer, critic and Dnyanpeeth awardee “KUSUMAGRAJ’s” (Shree Vishnu Waman Shirwadakar) 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

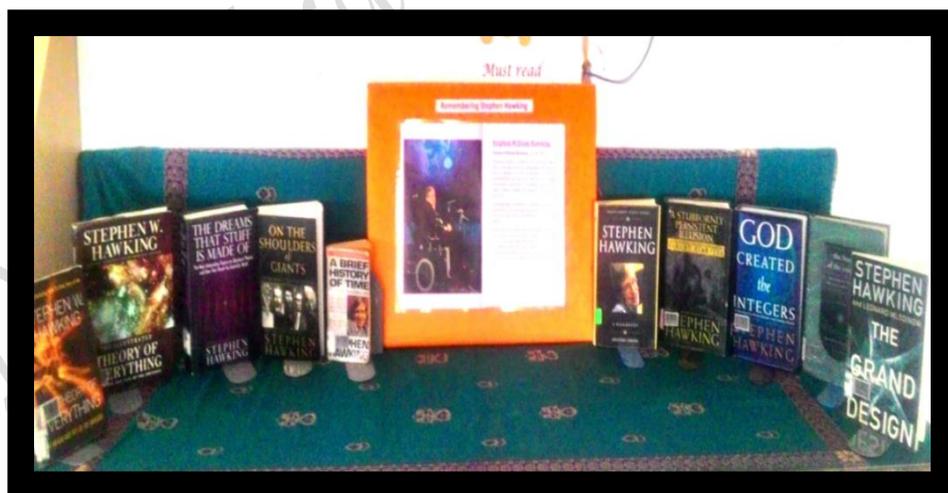


Tribute to Savitribai Phule & Stephen William Hawking

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)

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

Zoology

ACC.NO.	AUTHOR	TITLE	CALL. NO.
BI1270	DUBEY, R.C.	TEXTBOOK OF BIOTECHNOLOGY	578.7/DUB
BI1271	VERMA, P. S./AGARWAL, V. K.	ENVIRONMENTAL BIOLOGY : PRINCIPLES OF ECOLOGY	577/VER
BI1272	SHETTY, NANDINI	IMMUNOLOGY : INTRODUCTORY TEXTBOOK	571.96/SHE
BI1273	KENT, GEORGE / CARR, ROBERT K.	COMPARATIVE ANATOMY OF THE VERTEBRATES	571.316/KEN
BI1274	VEGAD, J. L.	VETERINARY GENERAL PATHOLOGY	626.08944/VEG
BI1275	ZVELEBIL, MARKETA / BAUM, JEREMY O.	UNDERSTANDING BIOINFORMATICS	572.80285/ZEV
BI1276	MATHUR, RAMESH / MEHTA, MEENAKSHI	HISTOLOGY	571.5/MAT
BI1277	PUROHIT, S. S.	BIOTECHNOLOGY FUNDAMENTALS OF APPLICATIONS	660.6/PUR
BI1278	MAHESHWARI, NANDA	CLINICAL PATHOLOGY HEMATOLOGY AND BLOOD BANKING	362.1784/MAH
BI1279	KAWTHALKAR, SHIRISH M.	ESSENTIALS OF HAEMATOLOGY	616.15/KAW
BI1280	KAR, ASHUTOSH	PHARMACOGNOCY AND PHARMACOBIO TECHNOLOGY	615.321/KAR
BI1281	SNODGRASS, R. E.	PRINCIPLES OF INSECTS MORPHOLOGY	571.3/SNO
BI1282	DARLINGTON, PHILIP J.	ZOO GEOGRAPHY THE GEOGRAPHICAL DISTRIBUTION OF ANIMAL	590.73/DAR

Hospitality Studies

ACC.NO.	AUTHOR	TITLE	CALL. NO.
BHM672-681	Naqvi, Nafees	Hospitality Dictionary	647.9403/NAQ

List of Journals

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

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 Dixi 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 *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 phenotypic groups in menopausal and postmenopausal women with breast tumors BY- Marina Koridze , Davit Baratashvili , Rusudan Khukhunaishvili Irina Nakashidze , Nine petrovic , Marina Nagervadze , Nato Zosidze , Sophiko Tskvitinidze , 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
- Characterization 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 *Spodoptera litura* BY- Kirti Sharma , Sridhar J & RK Sharma *Page No -129
- Touchdown –PCR based RAPD assay for early diagnosis of gender in *Carica papaya* L. BY- Sinchan Adhikari, Sanoyaz Sekh , Tapas Kumar Bandyopadhyay & Parthadeb Ghosh Page No-136

1.2 Indian Journal of Experimental Biology

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

ISSN: 00195189

Vol-56 No. 03

pp143-214

March-2018

Frequency : Monthly

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 Mullapudi Suresh Pothani & Raghunath Manchala Page No -149
- Protective effects of silymarin against isptretinon induced liver and kidney injury in mice BY- Meltem Kumas ,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 genotoxicity BY-S Karthick Raja Namasivayam & 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. Willczek BY- Vajravel Sindhujaa Muniraj Gnanaraj Maluventhen Viji THirupathi Karuppanapandian & Kumariah Manoharan *Page No-180
- Chlorophyll fluorescence kinetics and response of wheat under high temperature stress BY- Neelu Jain ,GP Singh ,Rakesh Pandey ,Ramya P. PK Singh ,Nivedita & KV Prabhu page-194
- 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

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

Vol-57A No.1

pp. 1-74

January-2018.

Frequency: Monthly

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 grapheme 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 Tio anastase nanoparticles and double layer au fordetection 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 germane –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

Vol-57A, No.2

pp. 137-200

February-2018.

Frequency: Monthly

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

Vol-57A, No-3 pp401-462

March- 2018.

Frequency : Monthly

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
- Arylazoimidazole complexes of lead halide and their photochromism BY- Debashis Mallick ,Bharati Chowdhury ,Chandana Sen Kamal Krishna Sarkar Srikanta ,Sudipa Mondal & Chittaranjan Sinha Page – 418
- 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

- Synthesis, characterization luminescence and photocatalytic studies of layered pervoskites NaMMgwO BY- Sreenu K Gundeboina Ravi ,CH Sudhakar Reddy Ravinder Guje & M Vithal Page – 435
- Methacryloyloxcalix arene based ion imprinted polymer as ag potentiometric sensor BY- Izzet Sener Seyma Ayci Deniz Ugurag & Ebru Birlik Ozkiitiik 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 , Tarti , 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
- Supramoleecular 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- Ragnath B Toche & Balasaheb P Pagar Page – 287
- Recent developments in designing optical sensors for detection of basic amino acids BY- Aafrin M PettiwalaPrabhat K Singh Page – 293
- Excited state and Fluorescence probe properties of donor –acceptor subsitiuted ethenes A plausible photochromic material for organic electronics 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

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Frequency: Monthly

Articles

- Stereoselective carbon-carbon bond formation via 1,2- asymmetric induction by a β -substituent in the reaction of a 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 ecofriendly catalyst: P_2O_5 /kaolin BY-Nityanand Rai & Abha Sharma Page - 340
- An expedient synthesis of isoxazolo- and pyrazolo- acridines 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, antiurease 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) benzoxazoles. BY- Meryem Tasci, Ozlem Temiz Arpacı Page – 385
- Synthesis and antimicrobial activity of some 5 – chloro -3 phenyl-1H-indole -20carbonyl derivatives. BY – S M Basavarajiah and Mruthyunjayaswamy Page - 390

4. Indian Journal of Pure & Applied Physics

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
- Diferuloylmethane anchored anatase TiO_2 nanoparticle for dye sensitized solar cell BY- Nathera A Ali ,Nagham A Hussein ,Baha T Chiad & Sundus M A Al –dujayli Page No-13

- Investigation of ZnO nanoparticles for dye their applications in wastewater treatment and antimicrobial activity BY- Neha Rana ,Kalan S Ghosh , Subh.ash 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 Sathyanarayanamoorthi 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 rotating Casson fluid over a 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 Raghuwanshi 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

Vol-56, No.02

pp.85-180

February-2018.

Frequency: Monthly

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- 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 Ulasan . Page No-142
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- 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

Vol-56, No.03 pp.181-252 March-, 2018.

Frequency: Monthly

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- 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

- .Experimental investigation of on –site degradation of crystalline silicon PV Modules under Malaysian climatic condition BY- M A Islam M Hasanuzzaman & Nasrudin Abd Rahim Page No-226
- Experimental investigation of on –site degradation of crystalline PV modules under Malaysian climPage-238

5. Indian Journal of Traditional Knowledge

Website: ijtk@niscair.res.in.

ISSN-0972-5938

Vol-17, No-1 pp.1 - 218

January- 2018.

Frequency: Monthly

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