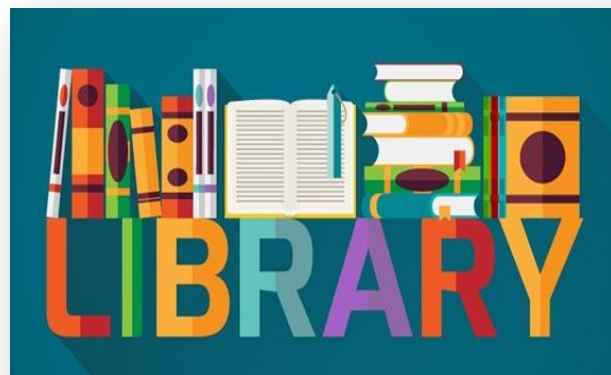




CAS Bulletin

Science



Volume: 3, Issue No.: 4, December 2018

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Library Collection

(As on 31st December 2018)

Total Books: 50,000+

Non-Book Materials

Periodical: 71

CDs: 254

Journals: 41

Maps: 51

Magazines: 30

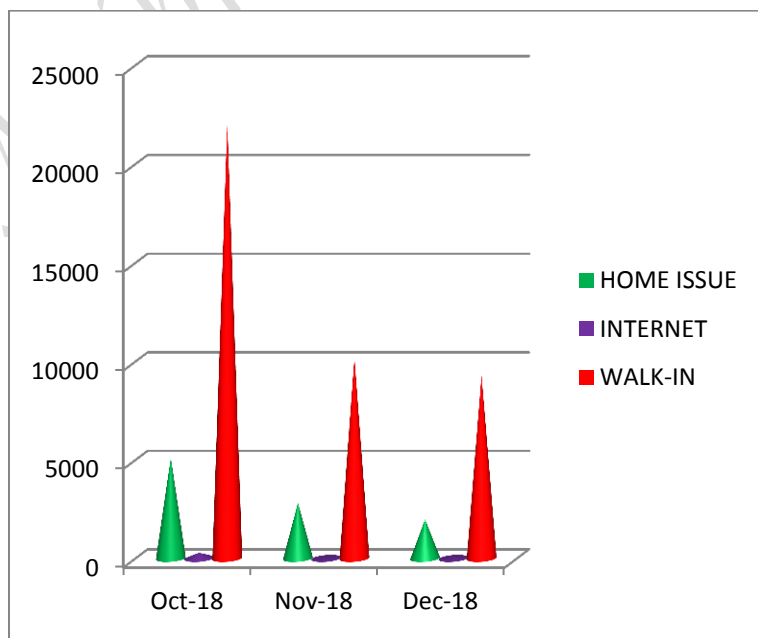
E-resource: N-List (consortium) Including
6000+ E-journals & 31,35,000+ E-
books.

Newspapers: 33

Institutional Membership of American Library

Library Usage Statistics

MONTH	HOME ISSUE	INTERNET	WALK-IN
Oct-18	5117	288	22111
Nov-18	2827	59	10212
Dec-18	1989	77	9309



Vachan Prerna Divas

To celebrate the “**Vachan Prerna Divas**” and to commemorate the Birth Anniversary of Bharatratna **Dr. A.P.J. Abdul Kalam**, VIVA library organized an event named “**Book Review: Unleashing the Secret**” on 15th October, 2018 at reading room.

The main objective of organizing this event was to promote reading culture among students.

On this occasion Respected Shri Shreeniwas Padhye (Management Committee Member), Respected Dr. Bharati Deshmukh (Mahila aani Balkalyan Samiti Pramukh), Dr. A. P. Pandey (Principal), Mrs. Prajakta Paranjape (Vice-Principal), Senior faculty member and students reviewed 14 books. They also shared their experience, their views and insights about these books and discussed about positive effects of reading books in their life.

Glimpses of Vachan Prerna Divas



Staff Development Programme

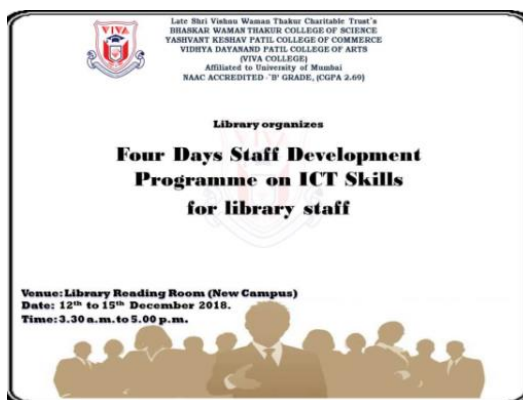
From 12th December 2018 to 15th December 2018, the VIVA College library organized Staff Development Programme (FDP) for library staff. The prime objective of this programme was to provide a learning platform for library staff members to improve their computer skills.

The programme was held at 3.30. p.m. in the library reading room for all Four days and experts (Resource Persons) were invited from sister-concern institute to share their expertise with library staff.

Dr. Nagratna R. Paloti, Librarian, VIVA College and Mrs. Devashree Ugavekar, Librarian VIVA Institute of technology Virar (E), trained the Library staff about various Google tools and applications. Mr. Brijesh Joshi and Mr. Sandesh Akre, from VIVA College Computer Science Department taught the library staff about different aspects of computer security and pre-caution to be taken while using Social Medias and gave valuable tips about computers.

The programme was a new learning experience for Library staff and will enhance their capacity and improve their efficiency level. The programme was concluded with distribution of certificate and valedictory function.

Glimpses of Staff Development Programme



New Arrival Books

CS / IT

ACC.NO.	AUTHOR	TITLE	CALL. NO.
BIT5175	DELAMATER, MARY / BOEHM, ANNE	MURACH'S ASP.NET 4.6 : WEB PROGRAMMING WITH C# 2015	006.76/DEL
BIT5187	SUMMERS, DONNA C. S.	QUALITY MANAGEMENT : CREATING AND SUSTAINING ORGANIZATIONAL EFFECTIVENESS	658.4013/SUM
BIT5190	AGARWAL, B. B. / TAYAL, S. P. / GUPTA, M.	SOFTWARE ENGINEERING & TESTING	005.14/AGA
BIT5191	ROSEN, KENNETH H.	DISCRETE MATHEMATICS AND ITS APPLICATIONS	511.1/ROS
BIT5216	FOROUZAN, BEHROUZ A.	DATA COMMUNICATIONS AND NETWORKING	004.6/FOR
BIT5228	VUGT, SANDER VAN	RED HAT ENTERPRISE LINUX 6 ADMINISTRATION	001.642/VUG
BIT5240	LENGYEL, ERIC	MATHEMATICS FOR 3D GAME PROGRAMMING AND COMPUTER GRAPHICS	794.8/LEN
BIT5241	PURUSHOTHAMAN, JOBINESH	RESTFUL JAVA WAB SERVICES	004.22/PUR

MSC PHYSICS

ACC.NO.	AUTHOR	TITLE	CALL. NO.
MP280	RANGAN, C. S. / SARMA, G. R.	INSTRUMENTATION DEVICES AND SYSTEMS	530.7/RAN
MP284	COHEN, BERNARD .L	STATISTICAL MECHANICS	530.13/HUA
MP288	GREINER, WALTER / NEISE, LUDWIG / STOCKER, HORST	THERMODYNAMICS AND STATISTICAL MECHANICS	530.13/GRE

MSC CHEMISTRY

ACC.NO.	AUTHOR	TITLE	CALL. NO.
MOC97	KARKARE, MANASI	NANOTECHNOLOGY FUNDAMENTALS AND APPLICATIONS	620.5/KAR
MOC98	GOLDBERG, DAVID E.	3000 SOLVED PROBLEMS IN CHEMISTRY	541.34/GOL
MOC99	AHLUWALIA, V. K.	ALKALOIDS	572.549/AHL

VIVA COLLEGE OF ARTS, COMMERCE & SCIENCE LIBRARY, VIRAR (W)

MOC100	PARASHAR, RAKESH KUMAR / NEGI, BEENA	CHEMISTRY OF HETEROCYCLIC CHEMISTRY	547.59/PAR
MOC101	AHLUWALIA, V. K. / CHOPRA, MADHU	MEDICINAL CHEMISTRY	615.19/AHL

ZOOLOGY TEXT

ACC.NO.	AUTHOR	TITLE	CALL. NO.
TB12757	DALVIE, V. V. / DALVI, A. A. / MAHAJAN, S. S.	APPLIED ZOOLOGY : UNIVERSITY TB OF ZOOLOGY SEM III COURSE VII SYBSC	590/DAL
TB12782	DESHMUKH, S. V. / DALVIE, V. V. / PANSE, C. S.	GENETICS : UNIVERSITY TB OF ZOOLOGY SEM III COURSE V SYBSC	576.5/DES
TB12807	DALVIE, V. V. / PRABHU, N. S. / KAGWADE, M. V.	ANIMAL PHYSIOLOGY : UNIVERSITY TB OF ZOOLOGY SEM III COURSE VI SYBSC	571.1/DAL

MATHEMATICS TEXT

ACC.NO.	AUTHOR	TITLE	CALL. NO.
TB12832	NARAYANA, NITHYA SAI	ALGEBRA – I	512/NAR
TB12852	NARAYANA, NITHYA SAI	LINEAR ALGEBRA	512.5/NAR
TB12856	NARAYANA, NITHYA SAI	TOPOLOGY OF METRIC SPACES	514.325/NAR

CHEMISTRY TEXT

ACC.NO.	AUTHOR	TITLE	CALL. NO.
TB12860	PRATIBHA, SINGH	ORGANIC CHEMISTRY TYBSC SEM V & VI	547/SIN
TB12870	LINGAYAT, SUDHEER	INORGANIC CHEMISTRY	546/LIN
TB12880	RAGHURAMAN, K.	BASIC PRINCIPLES IN PHYSICAL CHEMISTRY	541/RAG
TB12890	RAGHURAMAN, K.	BASIC PRINCIPLES IN ANALYTICAL CHEMISTRY	543.01/RAG
TB12900	JAIN, PREETI KUMAR V.	INTRODUCTION TO DRUGS	615/JAI

List of Journals

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

Contents of Journal

1. CSIR News

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

ISSN: 0409-7467

Vo-68, No.13 & 14 pp-136

JULY – 2018 Frequency : Monthly

Articles

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- CSIR- NISCAIR Organises Science Communication Training Page-122
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- World Environment Day at CSIR –CBRI Page-128
- Director, CSIR-IICB Takes Over Additional Charge as Director, CSIR –NEIST Page-132

1.1CSIR News

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

ISSN: 0409-7467

Vo-68, No.15 & 16 pp-1-156

August – 2018 Frequency: Monthly

Articles

- Vitamin D Deficiency due to Air Pollution in Delhi Page-138
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- PGTs from Six Regions Learn about Latest Scientific Innovations CSIR-CBRI Page-149
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- CSIR-CBRI Celebrates International Yoga Day Page-154

1.2. CSIR News

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

ISSN: 0409-7467

Vo-68, No.17 & 18 pp-180

September – 2018

Frequency : Monthly

Articles

- CSIR Foundation Day Function 2018 Awards Page-161
- CSIR Technology Awards 2017 Page-169
- Shanti Swarup Bhatnagar Prize (SSB) for Science & Technology 2018 Page-172
- CSIR Award for S & T Innovations for Rural Development (CAIRD) 2016 Page-174
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2. Digit

website: www.digit.in

ISSN: 74470-25140

Vol-,18 N0-10 PP-1-110

October -2018

Frequency : Monthly

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- Must- try ios 12 features page-24
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website: www.digit.in

Vol-,18 N0-11 PP-1-110

November-2018

ISSN: 74470-25140

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website: www.digit.in

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ISSN: 74470-25140

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

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3.1 Electronics For You

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

ISSN: 0013-516X

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3.2 Electronics For You

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

ISSN: 0013-516X

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

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ISSN: 0972-5849

Frequency : Quarterly

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- A review on cardiovascular genetics and its in silico methods BY- Beutline Malgija & Shanmughavel Piramanayagam Page-205
- DNA sequence variation in intron 1 of metallothionein gene in zebu cattle exposed to toxic metals BY- P U Doiphode ,M D Kothekar ,D S Kale ,K Krishnamurthi ,A r Sirothia & M s Patil Page-211
- Paraoxonases gene expression and distribution in rats organs treated with atherogenic diet and atorvastatin therapy BY- Ana Ninic ,Vesna Spasojevic –Kalimanovska ,Miron Sopic ,Jelena Munjas ,Natasa Bogavac-Stanojevic ,Zorana Jelic –Ivanovic ,Jelena Kotur –Stevuljevic ,Slavica Spasic ,Milkica Crevar –Sakac, Marina Milenkovic & Zorica Vujic Page-217
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- Enhanced bacterial lipase Production through different fermentation conditions BY- Muhammad Basharat ,Ayesha Aziz ,Saiqa Andleeb ,Nazish Mazhar Ali & Shaukat Ali Page-234
- Effect of lipase from different source on high fat content wastewater of dairy industry BY- Vivek P Bhange & Sanvidhan G Suke Page-244
- Biosynthesis and optimization of bacitracin by mutant *Bacillus licheniformis* using submerged fermentation BY- Shaukat Ali ,Robina Nelofer ,Saiqa Andleeb , Shhjahan Baig Hafiz Abdullah Shakir & Javed Iqbal Qazi Page-251
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- Investigations on the effect of driving Parameters for xylitol Production from water hyacinth biomass BY- Anamica Bhattacharya ,Amit Ganguly ,Anup Kumar Sadhukhan & Pradip Kumar Chatterjee Page-272
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- Day removal by dead biomass of newly isolated of *Pleurotus ostreatus* strain BY- Demet Dogan ,Filiz Boran ,Sibel Kahraman Canan Akmil –Basar & Ozfer Yesilada Page-290
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- Fruit size homologue gene variation in Mexican *Opuntia* sp. BY- Samir Samah & Ernestina Valadez –Moctezuma Page-351
- Inheritance and tagging of Tomato leaf curl virus disease resistance genes in exotic tomato genotypes BY- Ashish Kumar ,Dibendu Datta Siddhant Pandey ,Sanjay & Shankar Prasad Das Page- 357
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- Plant regeneration from leaf explants in apple rootstock MM111: Effect of cytokinins and auxins BY- Manju Modgil & shweta Pathania Page-370
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- Molecular characterize of new oat crown rust resistant sources BY- I Hammami, Y Sliti & M EI –Gazzah Page-383

4.1 Indian Journal of Biotechnology

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

ISSN: 0972-5849

Vo-17, No.03 pp-391-544

July –2018

Frequency : Quarterly

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- In vitro competence of vitrified bovine oocytes with open pulled straw BY- D J Dutta, B C Sarmah , Hiramoni Dev & Himangshu Raj Page-402
- B- galactosidase from *Lactobacillus delbrueckii* and *Lactobacillus reuteri* Optimization , characterization and formation of galactooligosaccharides BY- Eman Zakaria Gomaa Page-407
- Application of mobilization gene promoter for heterologous expression and curing of Plasmid PSMA23 BY- Audhamani M, Batish v k & Heller K J Page-416
- Molecular cloning and characterization to cDNAs encoding cytosolic malate dehydrogenase and vacuolar ATPase in *Annona cherimola* and their expression during postharvest ripening BY- Manuela Gouveia ,Monica Rodrigues ,Lucilia Teixeira & Nereida Cordeiro Page-422
- Cloning ,sequencing and in silico analysis of B- glucosidase from *Bacillus subtilis* strain PS BY- Gopal Singh, Vinod Kumar, Ashutosh dubey ,Sanjeev Agrawal & A K Verma Page-431

- Application of statistical tool for optimization of physical Parameters for cellulose production under solid state fermentation BY- Modhuleena Mandal & Uma Ghosh Page-441
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- Isolation and amplification of genomic DNA from nutmeg mace BY- V P Swetha ,V A Parvathy ,T E sheeja & B Sasikumar Page- 533
- Identification of allele specific primers in chir pine through data mining BY- Swati Allen , H S Ginwal & Santan Barthwal Page-538

4.2 Indian Journal of Biotechnology

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

ISSN: 0972-5849

Vo-17, No.04 pp-545-642

October –2018

Frequency:Quarterly

Articles

- CSISPR/ Cas9 knock-in of GST- tagged human Noggin in the B- casein gene locus of bovine ear fibroblast cells BY- Sung- Won Park, Hyun-Jin Do , Wonbin Choi, Hyun Jeong Kim ,Man-Jong Kang ,Han-Geuk Seo 7 Jac-Hwan Kim Page-535
- Transcriptional activation of LGR5 gene by an engineered CRISPR-Cas9-based system induces hepatic-specific factors BY- Dong- Ho Kim, Kye –Seong Kim & Suresh RamaKrishna Page-561
- The anti-Peptide relaxin antibodies for monitoring the well-being of the fetus in pregnant bitches BY- Shruthi N, A M Shende ,Indhu M, A M Pawde ,Praveen Singh & S K Bhure Page-569
- Enhanced soluble expression and effective purification of recombinant human interleukin -11 by SUMO fusion in Escherichia coli BY- Thi-Quy Nguyen ,Thu-Huong Duong ,Thi-Ngoc-Ha Dang, Ngoc- Giang Le, Quynh-Giang Le, Thi- Huyen Do ,Van – Do Nguyen ,Thi-Thu-Hong Le & Nam-Hai Truong Page-579
- Induction of bioactive compounds in a co- cultured strain of micromonosperma echinospora isolated from seclude Hirakud dyke soil BY- Smaranika Pattnaik Page-586
- Genetion characterization of sulphur and iron oxidizing bacteria in manganese mining area of Balaghat and Chhindwara ,Madhya Pradesh ,India BY- Shikha Jaiprakash Dixit ,Appu Kuttan K K ,Rahul M Shrivastava Page-595
- Molecular analysis of fenazaquin selected resistant strain of two- spotted spider mite Tetranychus urticae Koch BY-Smriti Nitu Kumari, S P Singh, Tirthartha Chattopadhyay , satyendra & Mankesh Kumar Page-602
- Diversity analysis of rice landraces of Bihar using linked and functional markers BY- Smriti Nitu Kumari, S P Singh, Tirthartha Chattopadhyay , satyendra & Mankesh Kumar Page-611
- In vitro clonal propagation of PPR-1,a superior temperate mulberry variety BY- Gulab khan Rohela ,Aftab Ahmad Shabnam, Pawan Shukla, Ravindra, Mudasir Gani, Srinivasulu Yelugu & S P Sharma Page-619
- In silico interaction of catechin with some immunomodulatory targets A docking analysis BY- Aditya Ganeshpurkar & Ajay Saluja Page-626

5. Indian Journal of Biochemistry and Biophysics

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

ISSN: 0975-0959

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Frequency:Bimonthly

Articles

- A review on application of biomarkers in heart failure BY- Bobbala Indumathi, Shiva Krishna Katkam & Vijay Kumar Kutala Page-303
- Novel biomarkers for inborn errors of metabolism in the metabolomics era By- Kannan Vaidyanathan & Sandhya Gopalakrishnan Page-314
- Trianthema Portulacastrum L. extract protects against gamma radiation induced human red blood cell membrane damage in vitro By- Uttam Das, Tanmay Saha & Subir Kumar Das Page-321
- Effect of resveratrol on the biomarkers of oxidative stress and inflammation in monocyte cultures from PBMC ,s of patients with myocardial infarction BY- Shireen, Anjum Chugtai, Wasil Hasan, Abbas Ali Mahdi & Najmul Islam Page-328
- Application of cell-free fetal DNA for early evaluation of preeclampsia to reduce maternal mortality by low-cost method –A prospective cohort study BY- Mriganka Mouli Saha , Deepshikha Mukherjee, Utpal Ghosh & Subir Kumar Das Page-334
- Correlation between regional oxidative stress markers of the cerebrum and spatial learning in tocotrienol-mediated protection against light –to moderate doses of ethanol exposure BY- Pitchaiah Dasari & Prasunpriya Nayak Page-341
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- A synthetic aromatic tripeptide H-Phe-Phe-phe-Ho recognizes the groove of the double stranded DNA : Spectroscopic and thermodynamic study BY- Soumi Biswas, Satyabrata Samui , Sagar Biswas Apurba K Das & Jishu Naskar Page-361

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Vol-57A, No- 8-9 pp1073-1164 Aug–Sep 2018

Frequency-Monthly

Articles

- Crystal engineering of molecular to nonmolecular metal malonates in Presence of piperazine Role of metal ions in tuning architectures BY- Kaustubh R Mote , Jency Thomas & Arunchalam Ramanan Page No.- 1081
- Catechin mediated one-step fabrication of ZnO microspheres Synthesis characterization and applications BY- Somnath Das & Amitava Pramanik Page No-1091

- Electrochemical impedance spectroscopy study of oxygen evolution on nanosized CoWO₄ and NiWO₄ BY- V K V P Srirapu ,Ajay Kumar ,Nirmala Kumari & Ravindra Nath Singh *Page No. 1100
- Epoxidation of styrene over MgO-rice derived carbon composite catalyst prepared by in situ transformation technique BY- M Kalpana ,E Siva Sankar ,K Saidulu Reddy ,K S Rama Rao , J Swathi ,V Vijay Kumar , G Naresh & A Venugopal * Page No- 1106
- Synthesis and characterization of stable ZnO nanoparticles using imidazolium-based ionic liquids and their applications in esterification reaction BY- S H Kavya V Vijaya Kumar Page--1112
- Dicyanomethylene substituted oxocarbon dianions : A comparative computational study BY- Promila Anuj Tripathi & Chetti Prabhakar * Page No-1121
- Construction of molecular logic gates through a redox and protonation triggered OFF – ON fluorescent Probe BY- Qian Li & Wenjuan Zhu Page-1128
- Synthesis crystal structure and Properties of a 3D zinc coordination Polymer with asymmetric 3 amino 1,2,4 triazolate BY- Wen tao Fan ,Jiao Jiao Du, Quan Qing Xu ,Jun Feng Kou & Feng Yi Liu page-1133
- Synthesis crystal structure and DFT calculations of thiosemicarbazone BY-Dharmender Sharma ,Suman Maji ,Vivek Gupta & Rekha Sharma Page-1138
- Thermophysical Properties of binary mixtures of polyethylene glycol 400 with n-propanol BY- M M Budeanu & V Dumitrescu Page-1144
- Role of Polyvinyl pyrrolidone as a capping agent in the synthesis of magnetite nanoparticles BY- Sujata Kumari ,Neha Yadav ,Debasree GHosh ,Chandra Srivastava & Sudip Majumder Page-1151

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

ISSN-0376-4710

Vol-57A, No- 10 pp1229-1282 October-2018

Frequency-Monthly

Articles

- Pyrrolidinedione based macrocyclic Schiff base complexes: synthesis,PXRD,antimicrobial and DNA binding studies BY- Vikas sangwan & D P Singh Page No.- 1235
- Polymeric 2,6-bis pyridine –RuCl₃ complex as a catalyst for aerobic oxidative self -condensation of amines to imines BY- Jiangting Yang, Ruosi Chu, Hong – Yu Zhang ,Yuecheng Zhang & Jiquan Zhao Page No-1242
- Synthesis and characterization of Cu and Ag based mixed metal nanoparticle composite for antibacterial applications BY- Sadhucharan Mallick *Page No. 1249
- Facile and smart synthesis of benzyl salicylate via vapor –phase transesterification over monoliths coated with zirconia and its modified versions BY- S R Pratap ,S Z Mohammed Shamshuddin , N Thimmaraju & M shymsundar * Page No- 1257

- Tryptophan –based carbon dots as florescent probe for detection of Pb²⁺ and Fe³⁺ ions BY-Yong –Qiang Dang ,shao-Zhao Ran ,Jiangtao Cai , Guoyang Liu, Yating Zhang * & Jieshan Qiu Page-1270

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

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ISSN: 0376-4710

Vol-57A, No- 11 pp 1329-1374 NOVEMBER - 2018.

Frequency: Monthly

Articles

- Microwave-assisted synthesis of nitrogen of –doped ZnO study on nanoparticles; Characterization and its comparative study on sonocatalytic Photocatalytic and sonophotocatalytic degradation of amido black BY-Srishti Kumawat ,Nutan Salvi, kiran Meghwal Rakshit Ameta & Chetna Ameta Page No.- 1335
- Kinetic studies on liquid phase transesterification of dimethyl malonate with benzyl alcohol over modified ceria as efficient solid acid catalysts BY- Venkatesh & S Z Mohamed Shamsuddin Page No-1344
- C-S bond cleavage influenced by metal coordination in Zn (II) bound Schiff base complex : synthesis structural characterization catecholase and phenoxazinone synthase activities BY- Ayon Kanti Ghosh Arnab Chatterjee, Sarat Chandra Kumar, Chandra Shekhar Purohit & Rajarshi Ghosh *Page No. 1351
- Photocatalytic studies using a very low surface area catalyst TiO₂ over CaCO₃ from waste shell in paraquat degradation BY- Senee Kruanetr & Ratchaneekorn Wanchanthuek * Page No- 1358

6.3 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- 12 pp 1437-1478 December- 2018.

Frequency: Monthly

Articles

- Catalytic oxidation mechanism of methane via transition metals Pt,Pd and Ag BY- Jun Zhang ,Tingting Hu,Li Wang & Chuan Dong Page-1443
- Cloud point extraction of Cr (III) and Cr (VI) ions using novel room temperature ionic liquid N-methyl-N,N-trioctyl-1-ammonium-5,7-diiodoquinoline -8-olate followed by FAAS by quantification BY- Aswathi M,Suryamol M S & V M Biju Page-1448
- Influence of tetra alkyl ammonium chain length cation on molecular interactions of dioxane –DMSO- H₂O mixtures using ultrasonic technique at various temperatures BY- Indu Saxena & Vijay Kumar Page-1454

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

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

ISSN : 0376-4699

Vol-57B, No. 9

pp.1165-1228

September-2018. Frequency : Monthly

Article

- Synthesis and cytotoxic activity of sulfur of linked mono / bis heterocycles BY- Shaik Sharafuddin Basha ,Putta Ramachandra Reddy , Donthamsetty V Sowmya, ,Adivireddy Padmaja & Venkatapuram Padmavathi Page-1173
- Metal free synthesis, docking studies and antimicrobial screening of novel isomeric pyridine substituted thiazole derivatives BY- Manjusha Suryawanshi, Amar Patil Avinash Bholay & Vivek Bobade Page-1179
- The Practical, efficient, diastereoselective synthesis of pyrrolidine A chiral side chain unit for quinolone type anti-fungal agents by- Yoshifumi Yuasa Page-1189
- Structure-activity relationship in phenothiazine antipsychotic drugs : Molecular orbital calculation ,in silico molecular docking and physico- chemical parameters BY- Devendra Tiwari, Sampark S Thakkar & Arabinda Ray Page- 1194
- A convenient synthesis of enantiomerically pure α isocyanate esters and N Fmoc -amino alkyl isonitriles derived from α amino acids employing PPh₃ I₂ under mild conditions BY- Santhosh L, Shekharappa, Krisnamurthy M & Vommina V Sureshbabu Page-1203
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- In vitro anti-diabetic activity and GC –MS analysis of bioactive compounds Present in the methanol extract of Kalanchoe Pinnata BY-Latha Ophelia George ,H R Rdha & B V Somasekariah Page-1213
- Synthesis and anti-microbial screening of acetamide BY- Maharshi b Shukla ,Jyotindra B Mahyavanshi & Prakash J Joshi Page-1222

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

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

ISSN: 0376-4699

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OCTOBER- 2018.

Frequency : Monthly

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- Synthesis of carbodiimides from 1,3-disubstituted selenoureas by iodine –mediated deselenization BY- L Santhosh ,shekharappa ,L Roopesh Kumar & Vommina V Sureshbabu Page—1291
- Computer assisted drug repurposing Anti TB activity in non antibiotics BY-G P V Sangeeta, K Purna Nagasree ,Risy ,Namratha Jamullamudi & Murali Krishna Kumar Muthyala.Page-1295

- N-Arylation of heterocycles by mixed ligand transition metal complexes under mild conditions BY- S S Hegade ,G A Gaikwad & G N Mulik Page-1304
- Antibacterial and antifungal activities of some hydroxyacetophenone derivatives BY- I G Mamedov ,A E Farzaliyeva ,Y V Mamedova ,N N Hasanova , M R Bayramov & A M Mahrramov Page-1310
- Synthesis, characterization , anti inflammatory activity and molecular docking study of novel Pyrazoline derivatives bearing chalcone backbone BY- Upendra Bhadoriya & Dinesh Kumar Jain Page- 1315
- Simplified molecular-input line system based quantitative structure-activity relationship models for serotonin receptor BY- Sanija Begum ,P Ganga Raju Achary ,Andrey A ToroPov & Alla P Toropova Page- 1322

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

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

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Frequency-Monthly

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- Synthesis of cinnamic ester derivatives from Oxalis pes-caprae using immobilized Bronsted dual acidic ionic and microwaves BY- Shallu Madan L .Sharma & Jasvinder Singh Page—1385
- Synthesis of novel spiropiperidine derivatives and their antimicrobial and antioxidant and activities BY- Rajagopalan Srinivasan , Badiadka Narayana ,Balladka Kunhanna Sarojini & Channa Govindaraju Darshan Raj .Page-1391
- Stereoselective epoxidation of aziridin-2-acyrl- aldehydes and azirinols synthesized from epoxy-aldehydes catalyzed by NHC catalyst BY- Zhunian Jin Page-1409
- Spiro-heterocyclics: A convenient synthesis and antimicrobial activity of dithiaspiro octan-2- ones and 1,4-dithia -6-azaspiro nonan -7-ones BY- Shaliendra Tiwari Page-1416
- Quantitative structure activity relationship study based molecular modeling of 4 aminoquinazoline derivatives for Aurora kinase inhibition BY- Ranjana ,Neetu Sharma ,Amrita Dwivedi ,Ajeet Singh & A K Srivastava Page- 1421
- N- Butylpyridinium heptachlorodialuminate :A convenient catalyst for the synthesis of acridine 1,8-diones derivatives by microwave assisted Hantzsch reaction BY- G D Shirole ,S Bhalekar & S Bhalekar & S N Shelke Page- 1430

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

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

ISSN: 0376-4699

Vol-57B, No. 12 PP1479-1532 December-2018. Frequency : Monthly

Article

- Design and synthesis of spirotruxene and spirofluorene derivatives BY- sambasivarao Kotha Rashid Ali, Nageswara Rao Panguluri & Ashoke Chandra Deb Page-1489
- Synthesis of thiazol ,thiazinan ,thiadiazin thiazolidin, triazine thioxo-pyrimidin and thioxo-pyrimidin and thioxo –imidazolidine by inter –intra molecular cyclization BY- Mangesh N Zade, Manish M Katiya ,Vinod D Deotale, Madhuri M Sontakke ,Madhukar G Dhonde& Baliram Baliram N Berad Page-1493
- Synthesis of new scaffolds of isoxazolidine derivatives from dihydrofuran via 1,-3-dipolar cycloaddition reactions solvent free conditions BY- Bhaskar Chakraborty & Esmita Chettri Page-1501
- Synthesis of some new class of isoxazline derivatives and their functionalization to 1,3-amino ketones A new approach BY- Bhaskar Chakraborty & Neelam Rai Page-1509
- Structure based virtual screening molecular docking studies and modification of hydantoin nucleus analogues as anticonvulsants BY- Neema Bisht & B K Singh Page-1514

8. Indian Journal of Experimental Biology

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

ISSN: 00195189

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OCTOBER -2018.

Frequency : Monthly

Articles

- Nanotechnology in snake venom research –an overview BY- Antony Gomes, Sourav Ghosh ,Jayeeta Sengupta ,Kalyani saha & Aparna Gomes Page No -707
- Effect of metabolites on starvation and longevity in a natural population of Drosophila ananassae BY- JP Yadav & Pallav Singh*Page No-716
- Protective effects of melatonin in endosulfan induced immunomodulation and their association with oxidative stress markers in rats By- Rishi Pal ,Prafulla C Tiwari , Kavita Gulati ,BD Banerjee & Arunabha Ray * Page No-725
- Chemical composition ,antioxidant, antioxidant ,anti-inflammatory and antitumor activities of Eucalyptus globules Labill BY- Shivraj Hariram Nile & Young Soo Keum *Page No-734
- Hydropenia induces expression of drought responsive genes erdl ,hat, pID-8 and zfa in Linum usitatissimum L.BY- Prasanta k Dash ,Payal Gupta , Abdul K Jailani & Rhitu Rai *Page No-743
- The Potential of the chlorophyll meter to quantify chlorophyll and nitrogen content in leaves of wheat under different field conditions BY- Shalini Jhanji & Nirmal Kaur Sekhon page-750
- Effects of combined treatment of amiodarone and vitamin U on rat gingival BY- Sehkar Oktay ,Ismet Burcu Turkyilmaz, Sarp Kaya ,Serap Akyuz ,Refiye Yanardag & Aysen Yarat *Page No - 759

- Evaluation of Potential compatible co-partner for lignin degrader *Irpex lacteus* BY- Mitu Mewada ,Bhavika Pandya & Susy Albert Page No-764
- In vitro tissue culture studies and synthetic seed formation *Plumbago zeylanica* L BY- Paras Jain ,Komal Danwra ,Hp Sharma & Dipa Mahato Page No-769

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

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NOVEMBER-2018.

Frequency : Monthly

Articles

- Inter – relationship of behavior, faecal testosterone levels and glandular volatiles in determination of dominance in male Blackbuck BY- Thangavel Rajagopal ,Ponnirul Ponmanickam, Arunachalam Chinnathambi, Parasuraman Padmanabhan, Balazs Gulyas & Govindaraju Archunan Page No -781
- In vitro and in viva antiestrogenic effects of dichloromethane extract of *Crateva adansonii* DC BY-Stephane Zingue Robinson Charly Mbe Fogane ,Amstrong Nang Njuh ,Daniel Tchuidjou, Alain Brice Tueche, Derek Tantoh Ndinteh & Dieudonne Njamen *Page No-795
- Effect of cinnamic aldehyde as repellent on behavior and gastrointestinal tract of house rat, *Rattus* BY-Amanpuneet kaut & BK Babbar * Page No-803
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- Decolourization of dyes by *Alcaligenes faecalis* and *Bacillus flexus* isolated from textile effluent BY- Shikha Saini , Bindu Battan ,rashmi, Shallu Maan & Jitender Sharma *Page No-820
- Genetic diversity analysis in Buckwheat germplasm for nutritional traits BY- Alka Shukla ,Nidhi Srivastava, Poonam suneja ,Shiv K Yadav ,Zakir Hussain ,JC Rana & Sangita page-827
- Molecular detetion of *Plasmodium falciparum* and *plasmodium vivax* prevalence in North Indian Population BY- Taru Singh ,Shukla Das Rumpa Saha ,VG Ramachandran & Samiran Mukkherjee *Page No -838
- Molecular characterization of *Fusarium oxysporum* by PCR amplification of 18SrRNA gene region BY- Amuta Kuppusamy ,Godavari Amar & Nedumpurath Pallikkara Roshni Page No-842
- Factors influencing ,growth and sporulation of *Gibbago trianthemae* a prospective biocontrol agent BY- Gaddeyya Gandipilli & Ratna Kumar PK *Page No-847

8.2 Indian Journal of Experimental Biology

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ISSN: 0019-5189

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Frequency : Monthly

Articles

- Reduced acetylcholinesterase activity downregulates peripheral and central inflammation during glucocorticoid resistance induced by chronic restraint stress and systemic lipopolysaccharide challenge in male mice BY- Sayantika Mahanti , Arnab Majhi, Koyel Mukherjee & Biswadev Bishayi Page-859
- Recombinant CFP-10as antigen for diagnosis and quantification of IFN – γ expression by real –time PCR in guinea pigs sensitized with Mycobacterium bovis BY- Tista Mondal ,Rishendra Verma ,Sangram P Ramane & Soumendu Chakravarti Page-875
- Effect of feeding on four citrus varieties on enzymatic on enzymatic properties of citrus butterfly Papilio demoleus L. BY-Leila Kholghi-Eshkalak ,Jalal Jalali Sendi, Azadeh Karimi –Malati & Arash Zibae Page-883
- Differentiation of toxigenic and atoxigenic Aspergillus flavus ; Polyphasic approach a new dimension BY- MK Naik ,GR Guru Prasad, HP Jadhav ,H Abeer, Elsayed F abd Allah & RZ Sayyed Page-892
- Physiological efficiencies in 186 peanut cultivars botanical groups BY- Amrit Lal Singh, Rupesh Nakar, Vidya Chaudhari ,Koushik Chakraborty , Nisha Goswami ,Kuldeepsingh Kalariya, Chandrashekhar B Ajay ,Pratap Virabhai Zala & Chhabil Bhai Patel Page-899
- Effective culture medium and combination of phytohormones for in vitro nodal culture of shorea robusta Roxb. ex Gaertn BY- Mrinal Nishant Kumar ,Jyotshna Tirkey & Suresh Rai Page- 914
- Modification in spinach in response to UV-B radiation by nutrient management pigments antioxidants and metabolites BY- Suruchi Singh ,Bhanu Pandey , SB Agrawal & Madhoolika Agrawal Page- 922

9. Journal of Intellectual Property Rights

Website: www.jipr@niscair.res.in

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Frequency : Bimonthly

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- Competition and Consumer Privacy in the Cyberspace Market BY- Joseph a Klien ,PM Rao and Manoj Dalvi Page No -70
- Intellectual Property and Intellectual Rights : Issues of Correlation BY- Valeriy N Lisitsa *Page No-86
- The Securitization of IP Assets: Issues and Opportunities BY- Naina Khanna * Page No-94

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- Changing Dimensions of Drug Patents of Indian Pharmaceutical Industry BY- Manjul Vaidya ,Sukrit Garg ,Charu Singh and Madhur Mohit Mahajan *Page No-111
- Exploring the Possibilities of Utility Models Patent Regime for Grassroots Innovations in India BY- Gautam Sharma and Hemant Kumar *Page No-119
- A Strategic Framework for Technology Valuation in Agriculture and Allied Sectors in India –Case Study of Chitosan BY- Manoj P. Samuel ,R Kalpana Sastry and sai Pavani *Page No-131

10. Indian Journal of Natural Products and Resources

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

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Frequency: Quarterly

Articles

- Mechanisms of actions of some bioactive anti –diabetic Principles from phytochemicals of medicinal Plants A review BY- Patrick Emeka Aba and Isaac Uzoma Asuzu Page-85
- Phytochemistry and medicinal Potential of the Terminalia bellirica Roxb .BY- Narendra Kumar and S M Paul Khurana Page-97
- In vitro pharmacological potential of Epiprinus mallotiformis An endemic species of Western Ghats BY- Bhagya N and Chandrashekar K R Page- 108
- Anti- nephrolithiatic Potential and the protective role of saponin –rich extract of Dianthus basuticus against acetaminophen-induced damage in HEK293 cells BY- Mikhail Olugbemiro Nafiu ,Anofi Omotaya Tom Ashafa and Saheed Sabiu Page-117
- Angiogenic effect of indigenous herbal extracts Bombax Ceiba and Erythrina variegata BY- Varsha Jadhav , Swati Dhande and Vilasrao Kadam Page-126
- Antimycobacterial activity of linoleic acid and oleic acid obtained from the hexane extract of seeds of Mesua ferrea L. and its in silico investigation BY- Ranjan Dutta Kalita ,Iftikar Hussain ,Ramesh C Deka and Alak Kumar Buragohain Page-132
- Anti- hyperlipidaemic effects of fresh and cured bhallataka Kshaudra in animals BY- Mohan Krishna Dwivedi , Mukeshkumar Nariya ,R Galib and Pradeep Kumar Prajapati .Page-143
- Evaluation of the antioxidant and antibacterial activity of breadnut leaf extracts BY- Yoanes Maria Vianney ,Natasha Amanda ,Kelvin Piekneel ,Calvin Wijaya Johan and Popy Hartatic Hardjo Page-151
- Ethnomedicinal plants used in malaria in tribal areas of Odisha ,India BY- H Singh ,PA Dhole ,G Krishna ,R Saravanan and PK Baske Page-160
- Indigenous Knowledge on bio–resources management for sustainable livelihood by the cold desert people ,trans –Himalaya ,Ladakh India BY- Shreekar Pant, Tsewang Rinchen and J S Butola Page-168

11. Indian Journal of Pure & Applied Physics

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ISSN: 0019-5596

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Frequency:Monthly

Articles

- Dielectric relaxation study of N –methylformamide in 1,4-dioxane solvent using domain reflectometry technique up to 30 GHz BY- G R Mahajan & A C Kumbharkhane Page No -669
- Orientational and dielectric behavior of N,N –dimethylformamide in different non –polar solvents BY- D P Shah, V A Rana & C M Trivedi *Page No-677
- Dielectric relaxation of benzonitrile and tetramethyl urea with N, methylformamide in C₆H₆ under 9.885 GHz electric field BY- S K Sit, B Gupta & S Sahoo * Page No-684
- Surface and dielectric studies of PVC-PVP blend films for green electronics BY- Vaishali Bhavsar & Deepti Tripathi *Page No-696
- Study of effect of annealing on morphology of hydrothermally synthesized potassium titanate fibers BY- Shailendra Rawat ,Jyotsna Sharma & Shatendra Sharma page-703
- Microstructural and optical properties of La –doped ZnO thin films deposited by spin coating on quartz glass BY- Ozlem Ertek Guldali & Ibrahim Okur *Page No -708
- A contemporary investigation of force transducers Past and Present scenario BY- Ajay Pratap Singh ,Sanjoy Kumar Ghoshal & Harish Kumar Page No-717
- Functionalization of Fe₃O₄ nanoparticles BY- Sonali K Kale *Page No -728
- Chemical reaction effect on MHD rotating fluid over a vertical Plate with variable thermal conductivity A numerical study BY- Ram Prakash Sharma ,S M Ibrahim ,Madhu Jain & S R Mishra Page No-732

11.1 Indian Journal of Pure & Applied Physics

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

ISSN: 0019-5596

Vol-56, No.10 pp.745-840

October-, 2018.

Frequency: Monthly

Articles

- Solvent effects on the dipole moments and Photo physical Properties of laser dye BY- R M Melavanki, V T Muttannavar, S Vaijayanthimala , N R Patil ,L R Naik & J S Kadadevarmath Page No -749
- Optical and electrical Properties of F doped SnO₂ thin films BY- Kashinath A Bogle ,Kiran D More, Sumayya Begum , Jagdish W Dadge , Megha P Mahabole & Rajendra S Khairnar *Page No-755
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- Chemically reacting and radiating nanofluid flow past an exponentially stretching sheet in a Porous medium Y- M K Nayak ,Sachin Shaw & O D Makinde page-773
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- Effect of size and location of solid on conjugate heat transfer in porous cavity BY- Azeem ,Irfan Anjum Badruddin , N Nik-Ghazali ,Mohd Yamani Idna Idris , Ali E E Anqi ,Salman Ahmed N J, Sarfaraz Kamangar & Abdullah A A A Al –Rashed Page No-792
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