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New Arrivals Journals Details

Period : 01/08/2015 - 31/08/2015

Name of the Journal	**Current Science**
Frequency/ Period/Vol/Iss.	**Vol. 109 No. 2 25 July - 09 August, 2015**
Articles/ Contents	1. Einstein is Newton with space curved 2. Segmenting visitors encountered at sacred sites based on travelling motivations and constraints 3. Tectonic framework and evolutionary history of the Bengal Basin in the Indian subcontinent 4. Dynamical formalism for assessment and projection of carrying capacity in different socio-climatic scenarios 5. COHERENS: a hydrodynamic model validated for the west coast of India 6. Performance evaluation of riverbank filtration scheme 7. Hydrogeochemical assessment of River Jhelum and its tributaries for domestic and irrigation purposes, Kashmir valley, India 8. Prey abundance and leopard diet in a plantation and rainforest landscape, Anamalai Hills, Western Ghats
Name of the Journal	**IEEMA Journal**
Frequency/ Period/Vol/Iss.	**Vol. 6 No. 12 August, 2015**
Articles/ Contents	1. Cover Story – "Utilities take Control": Leveraging Automation in Power Grids 2. TechSpace – Future trends of communication by applying IEC 61850 in Substation Automation Systems 3. InFocus – Smart Grid Pilots in India 4. Opinion – Beyond AMI: LV network Supervision over existing AMI Deployments 5. Perspective – Smart Grid and Standardization: Status, Implications and Way Forward 6. IndustrySpeak – Growing demand of Microgrids 7. GuestArticle – Wide Area Analytics: to Secure Transmission Corridors 8. InDepth – Leading the way to an Energy Efficient, Smart & Green India 9. InDepth – Securing the "enernet": One of the most challenging Imperatives for "Smart Grid Eco-system" 10. SpecialFeature – Solar Tracking Systems 11. SpecialFeature – Shaping the Photovoltaic Solar Market

	12. SpecialFeature – Challenges Plaguing the Solar EPC Industry 13. TechSpace – Regulatory Initiatives for Development of Renewable Energy Projects
Name of the Journal	**IEEMA Journal**
Frequency/ Period/Vol/Iss.	**Vol. 6 No. 11 July, 2015**
Articles/ Contents	1. Cover Story – How to sustain growth in the Power Equipment Industry?: Review of FY14-15 2. InFocus – Dealing with energy costs in Metal Refining 3. InFocus – 'Make in India' initiative good news for copper sector 4. Special Feature – Status of Renewable Purchase Obligation, Renewable Energy Certificate 5. Special Feature – A new opportunity–Rooftop Solar 6. InFocus – Standardization of PV Wires and Cables 7. TechSpace – Creep Behaviour of Aluminium : a major cause for failure of Distribution Transformers
Name of the Journal	**IETE Journal of Education**
Frequency/ Period/Vol/Iss.	**Vol. 56 No. 1 January - June, 2015**
Articles/ Contents	1. An Alternative method for PM Signal Generation and Detection 2. Innovative Solar Power Technology Development for Rural Communities of India 3. Binomial Sampling Charts Revisited with Graphical and Analytical Arguments 4. On the Visualization of the Weaver's "Third Method" for SSB Generation 5. Voltage-to-Frequency Converters using Operational Amplifiers
Name of the Journal	**IETE Journal of Research**
Frequency/ Period/Vol/Iss.	**Vol. 61 No. 4 July - August, 2015**
Articles/ Contents	1. Ambipolar Leakage Suppression in Ge n-channel Schottky Barrier MOSFET 2. Design of Electromagnetic Probe Having Reduced Base Line Drift for Blood Flow Measurement 3. Improved Charge-shared Match-line Sensing Scheme for Dynamic Energy Reduction in TCAM 4. Chi-square Statistics Feature Selection Based on Term Frequency and Distribution for Text Categorization 5. Secrecy Analysis with MRC/SC-Based Eavesdropper over Heterogeneous Channels 6. A Low Power and Low LIR Regulator for Passive RFID Tag in 0.18 μm CMOS Technology 7. Probabilistic Allocation of Thyristor-controlled Phase Shifting Transformer for Transient Stability Enhancement of Electric Power System 8. A Novel Two-Stage NNFL Strategy for Load-Frequency Control Using SMES 9. Radial Tracing Method of Cytoplasm Segmentation in Overlapped Cervical Cell Images 10. Band-Reconfigurable Monopole Antenna for Cognitive Radio Applications 11. FBMC Modulation as a Possible Co-existence Facilitator for LTE Mobile Networks in 800 MHz Band 12. A Switchable Band-Notched UWB Antenna for Cognitive Radio

	Applications
	13. Resource Efficient FPGA Implementation of Adaptive Image Enhancement Algorithms
	14. Memristor Characteristics via an Integration of Drift and Tunnel Barrier Models
Name of the Journal	**Journal of Chemical Sciences**
Frequency/ Period/Vol/Iss.	**Vol. 127 No. 4 April, 2015**
Articles/ Contents	1. Macromolecular peroxo complexes of Vanadium(V) and Molybdenum(VI): Catalytic activities and biochemical relevance
	2. T3P as an efficient cyclodehydration reagent for the one-pot synthesis of 2-amino-1,3,4-oxadiazoles
	3. One-pot synthesis and UV-Visible absorption studies of novel tricyclic heterocycle tethered Xanthene-1,8-diones
	4. Syntheses of fused tetrahydro-β-carboline analogues through imide carbonyl activation using BBr_3: Evidence for the involvement of fused cyclic *N*-acyliminium ion intermediate
	5. (±)Methanodibenzodiazocine tethered [C-H] δ^+ functional site: Study towards benzoin condensation and Baylis-Hillman reactions
	6. Liquid phase conversion of Glycerol to Propanediol over highly active Copper/Magnesia catalysts
	7. Para-amino benzoic acid—mediated synthesis of vaterite phase of calcium carbonate
	8. Synthesis, crystal structure determination of two-dimensional supramolecular co-ordination polymer of silver(I) with 1,2-Bis(phenylthio)ethane and its Hirshfeld surface analysis
	9. Supramolecular structures constructed from three novel rare earth metal complexes
	10. Syntheses, structures and luminescence behavior of some zinc(II) complexes containing acetate and tetradentate Schiff bases
	11. A mixed Ni(II) ionic complex containing V-shaped water trimer: Synthesis, spectral, structural and thermal properties of $\{[Ni(2,2^{/}$-bpy)$_3][Ni(2$-cpida)($2,2^{/}$-bpy)]\}$ $(ClO_4).3H_2O$
	12. Application of quinoxaline based diimidazolium salt in palladium catalyzed cross-coupling reactions
	13. Nano-$TiCl_4/SiO_2$: An efficient heterogeneous solid acid catalyst for the one pot cascade five-component synthesis of densely functionalized tetrahydropyridines
	14. Understanding the surface and structural characteristics of tungsten oxide supported on tin oxide catalysts for the conversion of glycerol
	15. Textural and morphological studies of transition metal doped SBA-15 by co-condensation method
	16. Effect of optimized structure and electronic properties of some benzimidazole derivatives on corrosion inhibition of mild steel in hydrochloric acid medium: Electrochemical and theoretical studies
	17. DNA binding, anti-tumour activity and reactivity toward cell thiols of acridin-*9*-ylalkenoic derivatives
	18. Introduction of an electron push-pull system yields a planar *Red Kaede* fluorescence protein chromophore analogue stabilized by a C == O… $_{\gamma}$ interaction
	19. Pt-Pd nanoelectrocatalyst of ultralow Pt content for the oxidation of formic acid: Towards tuning the reaction pathway
	20. Voltammetric determination of wedelolactone, an anti-HIV herbal drug, at boron-doped diamond electrode
	21. Studies on 12 V substrate-integrated lead-carbon hybrid ultracapacitors
Name of the Journal	**Journal of Earth System Science**
Frequency/ Period/Vol/Iss.	**Vol. 124 No. 5 July, 2015**
Articles/	1. Geomorphological evolution of badlands based on the dynamics of palaeo-

Contents	channels and their implications
	2. Water use efficiency of net primary production in global terrestrial ecosystems
	3. Application of ANN and fuzzy logic algorithms for streamflow modelling of Savitri catchment
	4. Water-rock interaction on the development of granite gneissic weathered profiles in Garhwal Lesser Himalaya, India
	5. Deciphering groundwater quality for irrigation and domestic purposes – a case study in Suri I and II blocks, Birbhum District, West Bengal, India
	6. Variability in stratification and flushing times of the Gautami—Godavari estuary, India
	7. Influence of nutrient input on the trophic state of a tropical brackish water lagoon
	8. Provenance analysis of the Oligocene turbidites (Andaman Flysch), South Andaman Island: A geochemical approach
	9. No evidence for shallow shear motion on the Mat Fault, a prominent strike slip fault in the Indo-Burmese wedge
	10. An application of earthquake prediction algorithm M8 in eastern Anatolia at the approach of the 2011 Van earthquake
	11. Organic richness and gas generation potential of Permian Barren Measures from Raniganj field, West Bengal, India
	12. ArcGIS studies and field relationships of Paleoprotrozoic mafic dyke swarms from the south of Devarakonda area, Eastern Dharwar Craton, southern India: Implications for their relative ages
	13. Attribute of trace fossils of laisong flysch sediments, Manipur, India
	14. Effects of geomagnetic storm on low latitude ionospheric total electron content: A case study from Indian sector
	1. Dust storm detection using random forests and physical-based approaches over the Middle East
Name of the Journal	**Journal of The Indian Institute of Science**
Frequency/ Period/Vol/Iss.	**Vol. 95 No. 2 April - June, 2015**
Articles/ Contents	1. Fluids and Geochronometers: Charting and Dating Mass Transfer During Metasomatism and Metamorphism
	2. Chemostratigraphy as a Tool for Determining Depositional Ages of Metamorphosed Carbonate Rocks Prior to Supercontinent Formation
	3. Optically Stimulated Luminescence (OSL) Dating of Sediments from Himalaya
	4. A Short Review on Lu-Hf Isotope System in Zircon: Implications for Crustal Evolution
	5. Revisiting Ultrahigh Temperature Granulites of Sri Lanka: New Prograde and Retrograde Mineral Textures from the Highland Complex
	6. Source of Ore Fluid in Lode Gold Deposits of Eastern Dharwar Craton: An Intricate Issue
	7. Crustal Evolution of Kolli-Massif, Southern India
Name of the Journal	**Journal of the Instrument Society of India**
Frequency/ Period/Vol/Iss.	**Vol. 45 No. 2 June - August, 2015**
Articles/ Contents	1. Development of Terahertz Imaging System
	2. Dimension Measurement for Steel Industry based on On- line Image Processing
	3. Contrast Enhancement of Dermoscopic Images using Spatial and Frequency Domain Techniques
	4. Design and Development of Embedded Air Sampling System for SF_6 Atmospheric Dispersion Experiments
	5. Quality Assurance of the Pharmaceutical Drug Samples Using HPGe

	Detector
	6. **Design of Model Reference Adaptive Control using MIT Rule for a Conical Tank System**
	7. **Single Image Haze Removal Method Using Dark Channel Prior and Histogram Equalization Methods**
	8. **Process Parameter Monitoring and Control Using ZigBee**
	9. **Design and simulation of Optical Frequency Comb Generator using MATLAB Software**
	10. **Elemental Contents in Ayurvedic Medicinal plants Using AAS Technique**
	11. **Design and Development of PID Controller for Spherical Tank System with Different Operating Regions**
	12. **Pain Assessment in Patients using Implantable BIO-MEMS Sensor**
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	16. **Eyeball Operated Wheelchair**
	17. **Real Time Health Monitoring Display System for an Instrument Using 2-WireSerial Communication Link**
	18. **Computer Control of a Thermal Cycling System**
	19. **A Simple Experimental Setup and Algorithm for the Analysis of Speckle Pattern in Optical Fibers**
Name of the Journal	**Proceedings Mathematical Sciences**
Frequency/ Period/Vol/Iss.	**Vol.125 No. 2 May - July, 2015**
Articles/ Contents	1. **On Erdos—Wood's conjecture** 2. **Subintegrality, invertible modules and Laurent polynomial extensions** 3. **Smoothness of limit functions** 4. **Revisiting the Zassenhaus conjecture on torsion units for the integral group rings of small groups** 5. **On p-supersolvability of finite groups** 6. **Class-preserving automorphisms of some finite p-groups** 7. **Sesquilinear uniform vector integral** 8. **($2n$ – 1)-Ideal ameanability of triangular Banach algebras** 9. **Volume sums of polar Blaschke—Minkowski homomorphisms** 10. **Limit law of the iterated logarithm for B-valued trimmed sums** 11. **Morozov-type discrepancy principle for nonlinear ill-posed problems under n-condition** 12. **$h - p$ Spectral element methods for three dimensional elliptic problems on non-smooth domains, Part-I: Regularity estimates and stability theorem**
Name of the Journal	**Sadhana**
Frequency/ Period/Vol/Iss.	**Vol. 40 No. 3 May, 2015**
Articles/ Contents	1. **Level set method for computational multi-fluid dynamics: A review on developments, applications and analysis** 2. **Liquid marbles: Physics and applications** 3. **A review on the thermal hyfraulic characteristics of the air-cooled heat exchangers in forced convection** 4. **Near field characteristics of buoyant helium plumes** 5. **Suppression of vortex shedding around a square cylinder using blowing** 6. **A numerical study on dynamics of spray jets** 7. **Experimental investigation of separated shear layer from a leading edge subjected to various angles of attack with tail flap deflections** 8. **Break-up of a non-Newtonian jet injected downwards in a Newtonian liquid** 9. **Mixed convection in a baffled grooved channel** 10. **Effect of Hartmann layer resolution for MHD flow in a straight, conducting duct at high Hartmann numbers** 11. **Numerical calculation of particle collection efficiency in an electrostatic**

	precipitator 12. Effect of coil embolization on blood flow through a saccular cerebral aneurysm 13. Flow and oscillations in collapsible tubes: Physiological applications and low-dimensional models 14. Experimental studies on the flow through soft tubes and channels 15. Stability of fluid flow through deformable tubes and channels: An overview 16. Global instabilities and transient growth in Blasius boundary-layer flow over a compliant panel 17. High Reynolds number liquid layer flow with flexible walls 18. Effect of ultra-fast mixing in a microchannel due to a soft wall on the room temperature synthesis of gold nanoparticles 19. Role of viscoelasticity in instability in plane shear flow over a deformable solid 20. Oscillatory and electrohydrodynamic instabilities in flow over a viscoelastic gel 21. Dynamics of a spreading thin film with gravitational counterflow using slip model 22. Manipulation of interfacial instabilities by using a soft, deformable solid layer
Name of the Journal	**University News**
Frequency/ Period/Vol/Iss.	**Vol. 53 No. 31 August 03 – 09, 2015**
Articles/ Contents	1. **Developing Information and communication Technology Policy in Indian Universities** 2. **Open Universities: Swimming Against the Tide** 3. **Central Universities: Challenges to Achieve World Class Standards** 4. **Exploring Online Learning Environments for Today's Learner**
Name of the Journal	**University News**
Frequency/ Period/Vol/Iss.	**Vol. 53 No. 30 July 27 – August 02, 2015**
Articles/ Contents	1. **Competitiveness Concerns of Higher Education in India** 2. **Higher Education and Women Empowerment** 3. **Physical Education and Sports Sciences: In A New Perspective** 4. **Contemporary Issues in Indian Higher Education**
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Frequency/ Period/Vol/Iss.	**Vol. 53 No. 28 July 13 – 19, 2015**
Articles/ Contents	5. **Nurturing Entrepreneurial Culture: Role of Higher Education Institutions** 6. **Deemed to be Universities: Challenges and Opportunities** 7. **Institutional Open DOAR in India: New Genre of Information for Knowledge Discovery and Communication** 8. **Higher Education through Regional Languages: How Far Desirable?**

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