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New Arrivals Journals Details

Name of the Journal	Bulletin of Materials Science
Frequency/ Period/Vol/Iss.	Vol. 37 No. 6 October, 2014
Articles/ Contents	<ol style="list-style-type: none"> 1. Photoluminescent properties of $\text{Sr}_2\text{CeO}_4 : \text{Eu}^{3+}$ and $\text{Sr}_2\text{CeO}_4 : \text{Eu}^{2+}$ phosphors suitable for near ultraviolet excitation 2. Influence of hydrogen on chemical vapour synthesis of different carbon nanostructures using propane as precursor and nickel as catalyst 3. Synthesis, characterization, photoluminescence and thermally stimulated luminescence investigations of orange red-emitting Sm^{3+}-doped ZnAl_2O_4 phosphor 4. Improvement in the microwave dielectric properties of $\text{SrCa}_4\text{Nb}_4\text{TiO}_{17}$ ceramics by Ba substitution 5. Effect of mechanical activation on cordierite synthesis through solid-state sintering method 6. Higher d.c. resistivity of Li—Zn—Cd ferrites prepared by microwave sintering compared with conventional sintering 7. Relaxor behaviour in $\text{BaBi}_4\text{Ti}_4\text{O}_{15}$ ceramics fabricated using the powders obtained by mechanochemically assisted synthesis route 8. Comparative study of highly dense aluminium- and gallium-doped zinc oxide transparent conducting sol—gel thin films 9. Synthesis and photoluminescence property of silicon carbide nanowires thin film by HF – PECVD system 10. Effect of composition on optical properties of GeSe_3—ZnSe thin films 11. On the microstructure and interfacial properties of sputtered nickel thin film on Si (1 0 0) 12. Optimization of AZO films prepared on flexible substrates 13. Influence of substrate on structural, morphological and optical properties of ZnO films grown by SILAR method 14. CeO_2 thin film as a low-temperature formaldehyde sensor in mixed vapour environment 15. Optimization of process conditions for the production of $\text{TiO}_{2-x}\text{N}_y$ film by sol-gel process using response surface methodology 16. Heavy lithium-doped ZnO thin films prepared by spray pyrolysis method 17. Optimization of compressive strength of zirconia based dental composites 18. Promising <i>in vitro</i> performances of nickel-free nitrogen containing stainless steels for orthopaedic applications 19. Study on osteopotential activity of <i>Terminalia arjuna</i> bark extract incorporated bone substitute 20. Structural properties of BeO at high pressure 21. High pressure structural stability of the ductile intermetallic compound, ErCu 22. Impurity binding energy for δ-doped quantum well structures 23. Nanoporous Ag template from partially sintered Ag—Zn compact by dezincification 24. Non-enzymatic hydrogen peroxide sensor based on CO_3O_4 nanocubes 25. Preparation and characterization of Fe—V/ TiO_2—SiO_2 nanocatalyst modified by zinc 26. Laser-induced transformation of GaS and GaSe nanosheets to onion structures with closed cages 27. Synthesis of polyanthranilic acid—Au nanocomposites by emulsion polymerization : development of dopamine sensor

	<ol style="list-style-type: none"> 28. Designed synthesis of tunable amorphous carbon nanotubes (a-CNTs) by a novel route and their oxidation resistance properties 29. Conductivity study of PEO—LiClO₄ polymer electrolyte doped with ZnO nanocomposite ceramic filler 30. Formation and surface characterization of nanostructured Al₂O₃—TiO₂ coatings 31. Wash fastness improvement of malachite green-dyed cotton fabrics coated with nanosol composites of silica-titania 32. Improvement in structural and electrical properties of cuprous oxide-coated multiwalled carbon nanotubes 33. Silver nanoparticles prepared in presence of ascorbic acid and gelatin, and their electrocatalytic application 34. Statistical analysis of thermal conductivity of nanofluid containing decorated multi-walled carbon nanotubes with TiO₂ nanoparticles 35. Facile synthesis of monodisperse thermally immiscible Ag—Ni alloy nanoparticles at room temperature 36. Effect of alloy content on microstructure and microchemistry of phases during short term thermal exposure of 9Cr—W—Ta—0.1C reduced activation ferritic/martensitic (RAFM) steels 37. Growth and characterization of propyl-<i>para</i>-hydroxy-benzoate single crystals 38. Electronic structure and first hyperpolarizability of poly(μ_2-L-alanine- μ_3-sodium nitrate (I)) crystals 39. Boron-doped MnTe semiconductor-sensitized ZnO solar cells 40. Preparation and characterization of hydrophobic platinum-doped carbon aerogel catalyst for hydrogen isotope separation 41. Enhanced efficiency and improved photocatalytic activity of 1 : 1 composite mixture of TiO₂ nanoparticles and nanotubes in dye-sensitized solar cell 42. Thermally stimulated discharge conductivity study of zinc oxide thermoelectrets 43. A novel organic-inorganic hybrid based on Anderson-type polyoxometalate : H(C₅N₅H₅)₂(C₅N₅H₆)₂[Al(OH₆)MO₆O₁₈-10H₂O 44. Influence of Be doping on the characteristics of CdO/p-Si heterojunction for optoresponse applications 45. Iron-carbon hybrid capacitor : A proof-of-concept study 46. In vitro corrosion investigations of plasma-sprayed hydroxyapatite-calcium phosphate coatings on 316L SS 47. A simple and efficient electrochemical reductive method for grapheme oxide 48. One-step electrodeposition process of CuInSe: Deposition time effect 49. Electrical impedance spectroscopy measurements to estimate the uniaxial compressive strength of a fault breccia 50. Microstructure and oxidation performance of γ-γ' Pt-aluminide bond coat on directionally solidified superalloy CM-247LC
<p>Name of the Journal</p>	<p>Current Science</p>
<p>Frequency/ Period/Vol/Iss.</p>	<p>Vol. 107 No. 9 10 November, 2014</p>
<p>Articles/ Contents</p>	<ol style="list-style-type: none"> 1. Training in scientific manuscript writing 2. Integrated crop disease management in arid Rajasthan : a synthesis of indigenous knowledge with biocontrol 3. Georeferenced soil information system : assessment of database 4. Development of soil and terrain digital database for major food-growing regions of India for resource planning 5. Pedotransfer functions : a tool for estimating hydraulic properties of two major soil types of India 6. Soil physical quality of the Indo-Gangetic Plains and black soil region 7. Impacts of bioclimates, cropping systems, land use and management on the cultural microbial population in black soil regions of India 8. Impacts of agro-climates and land use systems on culturable microbial population in soils of the Indo-Gangetic Plains, India 9. Soil and land quality indicators of the Indo-Gangetic Plains of India 10. Impact of management levels and land-use changes on soil properties in rice-wheat cropping system of the Indo-Gangetic Plains

	<ol style="list-style-type: none"> 11. Land evaluation for major crops in the Indo-Gangetic Plains and black soil regions using fuzzy model 12. InfoCrop-cotton simulation model – its application in land quality assessment for cotton cultivation 13. Revisiting agro-ecological sub-regions of India – a case study of two major food production zones 14. Natural resources of the Indo-Gangetic Plains : a land-use planning perspective 15. Soil information system : use and potentials in humid and semi-arid tropics 16. A bibliometric analysis of highly cited articles in materials science Observational evidence of the southward transport of water masses in the Indian sector of the Southern Ocean
Name of the Journal	IEEMA Journal
Frequency/ Period/Vol/Iss.	Vol. 6 No. 3 November, 2014
Articles/ Contents	<ol style="list-style-type: none"> 1. Standardisation Activities of IEEMA Transformer Division 2. Recent Advances in Power Transformer Standards : Update on IS 2026/ IEC 60076, Parts 1, 2 & 3 3. Testing of Transformer 4. Analysis of Investment Decisions : Replacement & Refurbishment Decisions 5. Transformer Core Ordering 6. Review of Conventional Factory Test Methods for Assessing Transformer Insulation Dryness
Name of the Journal	The IUP Journal of Electrical & Electronics Engineering
Frequency/ Period/Vol/Iss.	Vol. IX No. 4 October, 2014
Articles/ Contents	<ol style="list-style-type: none"> 1. Analysis and Modeling of Probe-Fed Rectangular DRA Using Artificial Neural Network 2. Modeling of Subthreshold Surface Potential for Short Channel Double Gate Dual Material Double Halo MOSFET 3. SPWM Techniques in Closed Loop Control of Five-Level Inverter Fed 3 Induction Motor 4. Ultrathin Narrowband Square Frequency Selective Surface-Based Microwave Absorber 5. Two-Unit PLC System with Preventive/Corrective Maintenance and Repair
Name of the Journal	The IUP Journal of Structural Engineering
Frequency/ Period/Vol/Iss.	Vol. VII No. 4 October, 2014
Articles/ Contents	<ol style="list-style-type: none"> 1. Seismic Analysis of Waffle and flat Slab Framed Structure Rest on Different Soil Conditions 2. Applied Element Method : Evolution and Applications 3. A Comparison of Road Over Bridge and Rail Over Bridge 4. Behavior of Integral Abutment Bridge Under Different Pile Head Connections

Name of the Journal	Industrial Engineering Journal
Frequency/Period/Vol/Iss.	Vol. VII No. 11 November, 2014
Articles/Contents	<ol style="list-style-type: none"> 1. Literature Review of Reverse Logistics Problem 2. Using Checkland's Soft System Methodology to Address Training Management Problems 3. Gross Deviation Analysis (GDA) of Delay as a Tool for Effective ERP Implementation in Indian SMEs 4. Cost and Delay Analysis in Construction Projects 5. Optimization of Finishing Process of Blankets Using Taghuchi Method in Textile Industry 6. Casting Defects analysis on Small Scale Foundry 7. Identification of Customer Requirements Using Kano Model
Name of the Journal	Journal of Chemical Sciences
Frequency/Period/Vol/Iss.	Vol. 126 No. 5 November, 2014
Articles/Contents	<ol style="list-style-type: none"> 1. Salts and Co-crystals of Theobromine and their phase transformations in water 2. Network and guest dependent thermal stability and thermal expansion in a trigonal host 3. Tuning of intermolecular interactions results in packing diversity in imidazolin-5-ones 4. 3D, 2D and 1D networks via N-H...O and N-H...N hydrogen bonding by the bis-amide analogues : Effect of chain lengths and odd-even spacers 5. Identification of robust synthon in the molecular salts of 2-aminothiazole with substituted benzoic acids : A case study 6. Neutral tripodal receptors towards efficient trapping of oxalate 7. Isolation and structures of some selenium and tellurium derivatives of 1, 4, 5, 8, 9, 12-hexabromododecahydrotriphenylene as co-crystals of triphenylene 8. Guest-responsive structural adaptation of a rationally-designed molecular tweezer based on Troger's base 9. Self-assembly characteristics of a multipolar donor-acceptor-based bis-pyrene integrated molecular tweezer 10. Analysis of intermolecular interactions in 3-(4-fluoro-3-phenoxyphenyl)-1-((4-methylpiperazin-1-yl)methyl)-1H-1,2,4-triazole-5-thiol 11. Structural modifications leading to changes in supramolecular aggregation of thiazolo[3, 2-α]pyrimidines : Insights into their conformational features 12. Aggregation enhanced emission (AEE) in organic salt : A structure-property correlation based on single crystal studies 13. New co-crystal and salt form of sulfathiazole with carboxylic acid and amide 14. Correlation between carbon-carbon bond length and the ease of <i>retro</i> Diels-Alder reaction 15. Syntheses, characterization and crystal structures of potassium and barium complexes of a Schiff base ligand with different anions 16. An anionic two-dimensional indium carboxylate framework derived from a pseudo C_{3v}-symmetric semi-flexible tricarboxylic acid 17. Tuning porosity via control of interpenetration in a zinc isonicotinate metal organic frameworks 18. Cationic zinc (II) dimers and one dimensional coordination polymer from ionic carboxylic acid 19. Guest driven structural transformation studies of a luminescent metal-organic framework

	<ol style="list-style-type: none"> 20. Chiral and achiral helical coordination polymers of zinc and cadmium from achiral 2,6-bis(imidazol-1-yl)pyridine : Solvent effect and spontaneous resolution 21. Design of non-molecular coordination solids from aqueous solution : $[\text{CuL}_n\text{X}(\text{H}_2\text{O})]$, where $\text{X}=\text{SO}_4, \text{Cl}$ or H_2O and $\text{L}=\text{pyrazole, imidazole}$ or glutamic acid and $n=1$ or 4 22. Synthesis and magnetic properties of a 1-D helical chain derived from a Nickel-Sodium Schiff base complex 23. Building-up novel coordination polymer with Zn(II) porphyrin dimer : Synthesis, structures, surface morphology and effect of axial ligands 24. Synthesis of monomeric and polymeric alkali and alkaline earth metal complexes using a phosphinoselenoic amide ligand in metal coordination sphere 25. A Reactive Intermediate, $[\text{Ni}_5(\text{C}_6\text{H}_4\text{N}_3)_6(\text{Co})_4]$, in the formation of Nonameric Clusters of Nickel, $[\text{Ni}_9(\text{C}_6\text{H}_4\text{N}_3)_{12}(\text{Co})_6]$ and $[\text{Ni}_9(\text{C}_6\text{H}_4\text{N}_3)_{12}(\text{Co})_6] \cdot 2(\text{C}_3\text{H}_7\text{NO})$ 26. Self-assembly of self-assembled molecular triangles 27. Synthesis and crystal structure of a wheel-shaped supramolecular coordination complex 28. Identification of a $(\text{H}_2\text{O})_8$ Cluster in a supramolecular host of a charge transfer platinum(II) complex 29. Construction of diverse supramolecular assemblies of dimetal subunits differing in coordinated water molecules via strong hydrogen bonding interactions : Synthesis, crystal structures and spectroscopic properties 30. Coordination of lanthanide cation to an Anderson type polyoxometalate anion leads to isomorphous metal-oxide based one-dimensional inorganic solids : Synthesis crystal structure and spectroscopy 31. Synthesis, characterization and self-assembly of Co^{3+} complexes appended with phenol and catechol groups 32. Palladium complexes of pyrrole-2-aldehyde thiosemicarbazone : Synthesis, structure and spectral properties 33. Palladium complexes of a new type of N-heterocyclic carbene ligand derived from a tricyclic triazolooxazine framework 34. Synthesis and structure of bis(β-dibenzoyl methanato – O,O') (aquo-O) dioxouranium (VI) compound 35. How strongly are the magnetic anisotropy and coordination numbers correlated in lanthanide based molecular magnets? 36. Main group chemistry of 9-hydroxophenalenone : Syntheses and structural characterization of the alkaline earth and zinc complexes 37. Synthesis, spectral and structural properties of bis-imidazolone selones 38. Dimetallaheteroborane clusters containing group 16 elements : A combined experimental and theoretical study 39. Crystal growth, structure and magnetic properties of $\text{Sm}_3\text{Ni}_5\text{Al}_{19}$: A compound in the $\text{Sm}_{2n+m}\text{Ni}_{4n+m}\text{Al}_{15n+4m}$ homologous series
<p>Name of the Journal</p>	<p>Journal of Earth System Science</p>
<p>Frequency/ Period/Vol/Iss.</p>	<p>Vol. 123 No. 7 October, 2014</p>
<p>Articles/ Contents</p>	<ol style="list-style-type: none"> 1. Radiation and energy balance dynamics over young chir pine (<i>Pinus roxburghii</i>) system in Doon of western Himalayas 2. Analysing land and vegetation cover dynamics during last three decades in Katerniaghat wildlife sanctuary, India 3. Satellite image based quantification of invasion and patch dynamics of mesquite (<i>Prosopis juliflora</i>) in Great Rann of Kachchh, Kachchh Biosphere Reserve, Gujarat, India 4. Analysis of the microclimate and CO_2 flux characteristics in arid desert wetland ecosystem in summer : A case study in Xihu desert wetland, Dunhuang, China 5. Morphometric analysis of Suketi river basin, Himachal Himalaya, India 6. Spatial distribution of soil erosion and suspended sediment transport rate for Chou-Shui river basin 7. Impact of over-exploitation on groundwater quality : A case study from WR-2 Watershed, India 8. Hydrologic factors controlling groundwater salinity in northwestern coastal zone, Egypt 9. Comparison of surrogate models with different methods in groundwater remediation process

	<ol style="list-style-type: none"> 10. Artificial neural network coupled with wavelet transform for estimating snow water equivalent using passive microwave data 11. Assessment of climate change impacts on rainfall using large scale climate variables and downscaling models – A case study 12. Growth of cyclone Viyaru and Phailin – a comparative study 13. Forecasting of cyclone Viyaru and Phailin by NWP-based cyclone prediction system (CPS) of IMD – an evaluation 14. Effect of some climatic parameters on tropospheric and total ozone column over Alipore (22.52⁰N, 88.33⁰ E), India 15. Species diversity variations in Neogene deep-sea benthic foraminifera at ODP Hole 730A, western Arabian Sea 16. Upper Cisuralian palynology and palaeoclimate of Manuguru area Godavari basin, India and their global correlation 17. 'Indicator' carbonaceous phyllite / graphitic schist in the Archean Kundarkocha gold deposit, Singhbhum orogenic belt, eastern India : Implications for gold mineralization <i>vis-à-vis</i> organic matter 18. Genesis of some tertiary Indian coals from the chemical composition of ash – a statistical approach : Part 1 19. Palaeoweathering characteristics of an intrabasaltic red bole of the Deccan Flood Basalts near Shrivardhan of western coast of India 20. An integral-free expression for short-term changes in fault stability due to pore pressure induced when a point load is placed on the pervious boundary of a porous elastic half space containing a fault
Name of the Journal	Journal of The Institution of Engineers (India) : Series A
Frequency/ Period/Vol/Iss.	Vol. 95 No. 2 April-June, 2014
Articles/ Contents	<ol style="list-style-type: none"> 1. Biodegradation of Garden Waste, Market Waste Using <i>Eisenia fetida</i> and <i>Eudrilus Eugenia</i> and Assessment of Manure Quality on Tomato 2. Development of Pavement Temperature Contours for India 3. Durability Studies on Confined Concrete using Fiber Reinforced Polymer 4. Preventive Maintenance Prioritization by Fuzzy Logic for Seamless Hydro Power Generation 5. Retempering of Concrete made by using Manufactured Sand 6. Vorticity and Circulation of Horseshoe Vortex in Equilibrium Scour Holes at Different Piers 7. Embodied Energy Assessment and Comparisons for a Residential Building Using Conventional and Alternative Materials in Indian Context
Name of the Journal	Journal of The Institution of Engineers (India) : Series C
Frequency/ Period/Vol/Iss.	Vol. 95 No. 3 July-September, 2014
Articles/ Contents	<ol style="list-style-type: none"> 1. A Load Cell for the Measurement of Slack Mooring Forces 2. Characterisation of Tensile Behaviour of a Dielectric Elastomer at Large Deformation 3. Experimental Studies on Amplitude Characteristics of S₀ Mode in Composite Laminates Due 4. Robust Hurwitz Stability and Performance Analysis of H-infinity Controlled Forward-Velocity Dynamics of UAVs in Close Formation Flight Using Bounded Phase Conditions in a Kharitonov Framework 5. Some Investigations on Hardness of Investment Casting Process After Advancements in Shell Moulding for Reduction in Cycle Time 6. The Productivity Analysis of Chennai Automotive Industry Cluster 7. Volume of Fluid Model of Open Channel Contraction

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Name of the Journal	Journal of The Institution of Engineers (India) : Series E
Frequency/Period/Vol/Iss.	Vol. 95 No. 1 January-June, 2014
Articles/Contents	<ol style="list-style-type: none"> 1. A Micromechanical Unit Cell Model of 2 x 2 Twill Woven Fabric Textile Composite for Multi Scale Analysis 2. Dyeing Properties of Natural Dye <i>Syzygium cuminii</i> on Silk 3. Modelling of Spiral Coil Heat Exchanger : Model with Easy Simulation Using Ms-Excel 4. Reinforcing of Cement Composites by Estabragh Fibres 5. Synthesis and Characterization of Silica Alumina Supported Heteropolyoxometalates 6. The Effect of Fibre Blend on Comfort Characteristics of Elastic Knitted Fabrics Used for Pressure garments 7. Wall-to-Bed Mass Transfer in a Three-Phase Fluidized Bed with Twisted Tape as Internal 8. Biomedical Applications of Mulberry Silk and its Proteins : A Review
Name of the Journal	Journal of the Instrument Society of India
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Name of the Journal	Project Management Today
Frequency/ Period/Vol/Iss.	Vol. 1 No. 3 15 October – 14 November, 2014
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