

**SCI Publications (2013)**

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1	Arora, S., Yadav, V., Kumar, P., Gupta, R., Kumar, D.	Polymer based antimicrobial coatings as potential biomaterial: A review	International Journal of Pharmaceutical Sciences Review and Research	23	2	279	290
2	Mandal, P., Anantha Ramakrishna, S., Patil, R., Venu Gopal, A.	Polarization dependent color switching by extra-ordinary transmission in H-slit plasmonic metasurface	Journal of Applied Physics	114	22		
3	Nair, S., Siddiqui, N.	Safety culture and basic risk management principles	Journal of Industrial Pollution Control	29	2	193	197
4	Yogeswara, T., Siddiqui, N.A., Hamsagar, R.S., Muenster, R.N.	A study of Environment, Health and Ehs (Ehs)-culture evaluation and developing improvement plan for industries through a technical study	Journal of Industrial Pollution Control	29	2	267	280
5	Yogeswara, T., Siddiqui, N.A., Hamsagar, R.S., Muenster, R.N.	Industrial noise pollution and its effects on the hearing capabilities of workers: A research study of noise reduction from long product mill	Journal of Industrial Pollution Control	29	2	175	181
6	Padhan, R.K., Gupta, A.A., Badoni, R.P., Bhatnagar, A.K.	Poly(ethylene terephthalate) waste derived chemicals as an antistripping additive for bitumen - An environment friendly approach for disposal of environmentally hazardous material	Polymer Degradation and Stability	98	12	2592	2601

7	Srivastava, V.K., Awasthi, M.K., Singh, S.	An implicit logarithmic finite-difference technique for two dimensional coupled viscous Burgers' equation	AIP Advances	3	12		
8	Mani, S., Dhingra, T.	Critique of offshore wind energy policies of the UK and Germany-What are the lessons for India	Energy Policy	63		900	909
9	Srivastava, V.K., Awasthi, M.K., Tamsir, M., Singh, S.	An implicit finite-difference solution to one-dimensional coupled burgers' equations	Asian-European Journal of Mathematics	6	4		
10	Singh, B.P., Sahoo, P.K.	Modelling and simulation of a bio-fuelled conventional engine	International Journal of Ambient Energy	34	4	200	213
11	Sareen, M., Punia, D.K., Chanana, L.	Exploring factors affecting use of mobile government services in India	Problems and Perspectives in Management	11	4	86	93
12	Kumar, S., Jain, S.	History, introduction, and kinetics of ion exchange materials	Journal of Chemistry				
13	Srivastava, V.K., Awasthi, M.K., Chaurasia, R.K., Tamsir, M.	The telegraph equation and its solution by reduced differential transform method	Modelling and Simulation in Engineering	2013			
14	Dhiman, N., Awasthi, M.K., Singh, M.P.	Electrohydrodynamic Kelvin - Helmholtz instability of cylindrical interface through porous media	International Journal of Fluid Mechanics Research	40	5	455	467
15	Dubey, S., El-Azab, A.	Irradiation-induced composition patterns in binary solid solutions	Journal of Applied Physics	114	12		

16	Jain, R.K., Gautam, Y.K., Dave, V., Chawla, A.K., Chandra, R.	A study on structural, optical and hydrophobic properties of oblique angle sputter deposited HfO <sub>2</sub> films	Applied Surface Science	283		332	338
17	Peters, M.S.	The impact of the EU ETS on flaring of gas on the UK continental shelf	European Energy and Environmental Law Review	22	4	161	165
18	Lamba, B.Y., Joshi, G., Tiwari, A.K., Rawat, D.S., Mallick, S.	Effect of antioxidants on physico-chemical properties of EURO-III HSD (high speed diesel) and Jatropha biodiesel blends	Energy	60		222	229
19	Awasthi, M.K., Srivastava, V.K., Tamsir, M.	Viscous potential flow analysis of electroaerodynamic instability of a liquid sheet sprayed with an air stream	Modelling and Simulation in Engineering	2013			
20	Srivastava, V.K., Singh, S., Awasthi, M.K.	Numerical solutions of coupled Burgers' equations by an implicit finite-difference scheme	AIP Advances	3	8		
21	Bhargava, R.R., Sharma, K.	Griffith's crack in a 2-D piezoelectric domain with an arbitrary polarization direction: Analytical/X-FEM solution	Strength, Fracture and Complexity	8	1	1	11
22	Yadav, R., Guven, U.	Aerothermodynamics of a hypersonic projectile with a double-disk aerospike	Aeronautical Journal	117	1195	913	928
23	Mishra, V., Balomajumder, C., Agarwal, V.K.	Dynamic, mechanistic, and thermodynamic modeling of Zn(II) ion biosorption onto zinc sequestering bacterium VMSDCM	Clean - Soil, Air, Water	41	9	883	889

24	Arora, A.K., Kumar, P.	A simple and effective synthesis of nanosized ZnFe <sub>2</sub> O <sub>4</sub> particles	Asian Journal of Chemistry	25	13	7283	7286
25	Kumar, P., Kim, D.-M., Hyun, M.H., Won, M.-S., Shim, Y.-B.	An all solid state potentiometric sensor for monohydrogen phosphate ions	Electroanalysis	25	8	1864	1870
26	Kumar, M., Joshi, P.	Mathematical modelling and computer simulation of steady state heat conduction in anisotropic multi-layered bodies	International Journal of Computing Science and Mathematics	4	2	85	119
27	Rahman, A., Jayaganthan, R., Jain, R.K., Chawla, A.K., Chandra, R., Ambardar, R.	Study of nanostructured Al doped ZnO films	Surface Engineering	29	6	440	446
28	Kumar, V., Kumar, P.	Thermal convection in a (Kuvshiniski-type) viscoelastic rotating fluid in the presence of magnetic field through porous medium	International Journal of Engineering, Transactions A: Basics	26	7	753	760
29	Joshi, G., Lamba, B.Y., Rawat, D.S., Mallick, S., Murthy, K.S.R.	Evaluation of additive effects on oxidation stability of jatropha curcas biodiesel blends with conventional diesel sold at retail outlets	Industrial and Engineering Chemistry Research	52	22	7586	7592
30	Prasad, U.C., Prasad, P.	Innovating the managers in Indian higher technical education	Global Journal of Flexible Systems Management	14	2	69	79
31	Peters, M., Kumar, M.	Unique UK's licensing policy favours the state than the industry: Contradicting conventional wisdom	Acta Juridica Hungarica	54	2	200	204

32	Rawal, S.K., Chawla, A.K., Jayaganthan, R., Chandra, R.	Effect of power variation on wettability and optical properties of co-sputtered titanium and zirconium oxynitride films	Bulletin of Materials Science	36	3	403	409
33	Chithra Chakra, N., Song, K.-Y., Gupta, M.M., Saraf, D.N.	An innovative neural forecast of cumulative oil production from a petroleum reservoir employing higher-order neural networks (HONNs)	Journal of Petroleum Science and Engineering	106		18	33
34	Gupta, S.K., Garg, S.	Multiobjective Optimization Using Genetic Algorithm	Advances in Chemical Engineering	43		206	245
35	Mani, S., Dhingra, T.	Policies to accelerate the growth of offshore wind energy sector in India	Renewable and Sustainable Energy Reviews	24		473	482
36	Mani, S., Dhingra, T.	Offshore wind energy policy for India-Key factors to be considered	Energy Policy	56		672	683
37	Sharma, K., Bui, T.Q., Zhang, C., Bhargava, R.R.	Analysis of a subinterface crack in piezoelectric bimetals with the extended finite element method	Engineering Fracture Mechanics	104		114	139
38	Pragya, N., Pandey, K.K., Sahoo, P.K.	A review on harvesting, oil extraction and biofuels production technologies from microalgae	Renewable and Sustainable Energy Reviews	24		159	171
39	Peters, M.S., Kumar, M.	Achieving sustainability through effective mechanisms of environmental impact assessment and strategic environmental assessment	European Energy and Environmental Law Review	22	2	79	83

40	Arora, S., Kumar, D., Shiba	Phytochemical, antimicrobial and antioxidant activities of methanol extract of leaves and flowers of Ipomoea Cairica	International Journal of Pharmacy and Pharmaceutical Sciences	5	1	198	202
41	Kansal, A., Siddiqui, N.A., Gautam, A.	Assessment of heavy metals and their interrelationships with some physicochemical parameters in eco-efficient rivers of Himalayan region	Environmental Monitoring and Assessment	185	3	2553	2563
42	Chaturvedi, S.K., Shanmugam, P., Yang, C.-S., Guven, U.	Detection of ocean wave parameters using synthetic aperture radar (SAR) data	Journal of Navigation	66	2	283	293
43	Sharma, S., Chaudhary, S., Kashyap, S.C.	Magnetic, structural, electronic, and optical investigations of Ti 1-xMnxO2 films	Journal of Materials Research	28	3	529	534
44	Agarwal, S., Chhibber, V.K., Bhatnagar, A.K.	Tribological behavior of diesel fuels and the effect of anti-wear additives	Fuel	106		21	29
45	Singh, M., Prajapati, R.N.	Reliable analysis for time-fractional nonlinear differential difference equations	Central European Journal of Engineering	3	4	690	699
46	Singh, Y., Singh, N.K.	Dirt analysis on the performance of an engine cooling system	Journal of Energy in Southern Africa	24	4	44	50
47	Mishra, V., Balomajumder, C., Agarwal, V.K.	Design and optimization of simultaneous biosorption and bioaccumulation (SBB) system: A potential method for removal of Zn(II) ion from liquid phase	Desalination and Water Treatment	51	16-18	3179	3188

48	Kumar, P., Sharma, H.K., Shalaan, K.G.	Development of chromium(III) selective potentiometric sensor by using synthesized triazole derivative as an ionophore	Journal of Chemistry				
49	Kumar, P., Sharma, H.K.	Development of all solid state chromium(III) selective sensor by using newly synthesized triazole derivative as an ionophore in PVC matrix	Electrochimica Acta	87		925	929