

4TH INTERNATIONAL CONGRESS OF ENVIRONMENTAL RESEARCH

December 15-17, 2011

SVNIT, SurAT (INdia)

Phone : +91-755--4222030

Mobile : +91 9825138685, +91 9426185768, +230 947 5319, +66-89206-9970

E-mail : icer2011@gmail.com

Web Site : <http://www.icer11.jerad.org>



Organized by : Journal of Environmental Research And Development, Bhopal, India
: Sardar Vallabhbai National Institute of Technology, Surat (India)

Scientific Program

Oral Presentation

Venue -Hall No. **G 2**

Session - I

Section - Physical Sciences

Day	:	One (Thursday)
Date	:	December 15, 2011
Section	:	PS (Physical Sciences)
Time	:	Afternoon (2:00 pm - 3:30 pm)
Chairperson	:	Prof. M.H. Fulekar (India)
Co-Chairperson	:	Shreelal N. Jha (India)
Co-ordinator	:	Dr. Noore Nazar Khan (India)
Reporteurs	:	Dr.Ashish Desai
Technician	:	One
Attendant	:	One

Invited Talk

Time : 2:00 pm - 2:20 pm

Name of Speaker : Dr.R. Kumaresan (Japan)

Title: The title of the talk can be: Shodex HPLC columns for environmental

Research paper presentations

Time : 2:20 pm - 3:30 pm

Sr. No.	Ref. No.	Title of contributory paper	Author(s)
1	001	Treatment of biological wastewater by using activated sludge process	Swapnil A. Dharaskar ¹ And Sanjay.S.Balkar ²
2	829	Preparation and characteri-zation of ag-impregnated carbon micron and nanofibers for the removal of microbes in water	Shiv Singh ^{1*} , Bhaskar Bhaduri ¹ , Nishith Verma ^{1,2} , Rohitashaw Kumar Singh ³ , Harish Chandra Joshi ³ , Anurag Srivastava ³
3	007	Value addition to green textile fibers through eco-friendly pretreatment	S. R. Shah and J. N. Shah
4	016	Investigation of spatial variation some heavy metals contamination in water, sediments & three fish species of anzali wetland (North of Iran-summer 2010)	Nader Bahramifar ¹ , Mohammad Saeid Sheykh ² , Shima Nabipour ³ , Masoomeh Khosravi ⁴
5	022	Efficiency of removal of zinc and cadmium from aqueous solutions using two common types of husks	Kailash P. Patel, Kalpesh M. Patel And Parimal M. Patel
6	026	Ionic liquids: green solvents for the future	S.A.Dharaskar, K.L. Wasewar, M.N.Varma and D.Z.Shende
7	027	Production of lactic acid from lactose mother liquor: an aspect of dairy industry wastewater management	P.M.Lakra ^A And A.S.Reddy ^b
8	036	Ethylamines as corrosion inhibitors for zinc in hydrochloric acid	R. T. Vashi* and K.U. Desai
9	048	Application of ultrasounic photocatalysis process in landfill leachate treatment	Roodbari, A. A. ¹ , Mahvi A. H. ^{1, 2} , Nabizadehnodehi R. ¹ , Nasser S. ¹ , Dehghani M. H. ¹ and Alimohammadi M ¹
10	051	Corrosion inhibitory effect of different varieties of holy basil on tin in acid media	Nutan Kumpawat, Alok Chaturvedi, and R.K. Upadhyay
11	052	Survey on the effect of landfill leachate of shahrood city (Iran) on ground water quality	Mahvi A. H. ¹ and Roodbari A. A. ²
12	068	Studies on effects of electrodes for decontamination of dyes from wastewater	Soni B D, Ruparelia J P

13	069	Recent trends in catalyst development for diesel engine exhaust emission control	femina Patel, Sanjay Patel
14	073	Reactive extraction of picolinic acid with tri-n-octylamine dissolved in petroleum ether, mibk and iso-amyl alcohol	Dipaloy Datta ¹ And Sushil Kumar
15	079	Green chemistry approach by microwave irradiation	Aarti Chitgopekar ¹ , Prof.A.K.Goswami ² And S.N.Karale ³
16	083	Packed bed column studies for the adsorption of methylene blue dye using activated carbon prepared from agricultural waste	Ramesh D. Dod
17	090	Removal of Pb (II) from waste water using bioadsorbents	Anish Chandra Pandey
18	094	Removal of phenol from aqueous solution by adsorption using orange peel ash	Naba K Mondal
19	099	Langmuir adsorption isotherm and reaction number evaluation for mild-steel in binary acid (HCl+H ₂ SO ₄) mixture in presence of toluidine isomers	P.R.Tandel, B.N.Oza, K.C.Desai ¹ And N.J.Mali ²
20	103	Two Step Synthesis and Bio - physical Characterisation of Silver Nanoparticles using Green Approach	M. H. Mangrola ¹ , P. Dudhagara ² , V. G. Joshi ³ and B. H. Parmar ⁴
21	104	Structural Property of Environment friendly catalyst material Titanium Dioxide	M. H. Mangrola ¹ , S. R. Desai ² , B. H. Parmar ² and V. G. Joshi ³
22	108	Distribution and emission factors of incense smoke particulates	R. Baghel, K. S. Patel ¹ , H. Saathoff, T. Leisner ² , L. Jutta and M. Georg ³
23	122	Sources of polycyclic aromatic hydrocarbons of road dust	Y. Nayak and K. S. Patel
24	130	Laboratory studies on deammoniation of latex industry effluent	Sahoo K.C and Dawande S. D.
25	133	Properties of environmentally acceptable oils	Abdollah Esmaeili
26	137	Nondestructive testing (NDT) in ferromagnetic materials	Maryam Dehghani and Abdollah Esmaeili
27	144	Prepare reach organic manure from sugar factory pressmud by using digested spentwash& also achieve zero pollution for distillery waste	Kruti.H.Patel ¹ and Jayesh.G.Patel ²
28	152	Laboratory measurements on the light scattering properties of black carbon particles	Ankur Gogoi, Amarjyoti Choudhury and Gazi Ameen Ahmed
29	153	Microwave assisted synthesis of metal derivatives of o-alkyl trithiophosphates and assess their antibacterial activity	Kiran Sankhala and Alok Chaturvedi*

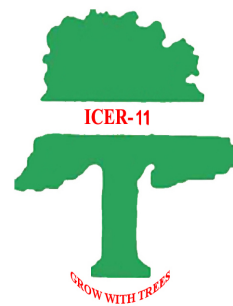
30	156	Ground water pollution by arsenic : A case study of west Bengal	Hinal H. Jariwala Gunjan D. Agarwal Hiral B.Patel and Dipi A.Patel
31	157	Bacteriological removal of toxic phenol	¹ Disha .D. Desai, Hena kausar and Pratik .A. Patel, N.G LImbachya and ² Dr. Ratna Trivedi
32	161	Assesment of diurnal variation of physico chemical status of khanpura lake, Ajmer	Mamta Tiwari, Mridula Chaturvedi ¹ and Alok Chaturvedi ²
33	183	Waste recycling and reuse of byproducts : A case study of dyes and dye intermediates industry	Upendra Patel ¹ , Prakash Patel ² , and Margi U. Patel ³
34	185	Designing laws for sustainable development and environmental management? The effectiveness of renewable energy regulation in Australia and China	Penelope Crossley
35	188	Aerosol behaviour over Ranchi	¹ Kumari Lipi, Manoj Kumar, N C Mahanti and ² S. Sureshbabu
36	1549	Assessment of water quality of aner dam And river of dhule district. (maharashtra) by saprobiontic algae.	M.R.Kumavat, V. V. Thakare, S.N.Nandan, M.A. Dongre, N.H.Aher * D.S.Jain **
37	1550	Impact of Seasonal Variation in Physico-Chemical and Biological Characteristics of Lake water on Nainital Lake Ecosystem	Anil Kumar Sankhwar, R.K. Srivastava and Vir Singh
38	1551	Environmental Restoration by Greenhouse Gas Reduction through Geological Sequestration	V. Vishal, S. P. Pradhan and T. N. Singh
39	1560	Synthesis and Characterizations of Cu II Complexes of Biologically active Schiff bases	G R Pandhare, V M Shinde and S S Gholap
40	1563	Effect of physico-chemical parameters on the reproduction of marine prawn, Penaeus canaliculatus in Dahanu region	Sarode Babita P ¹ . and Meena U.Patil ²
41	733	Ecofriendly Colouration of Textiles	Chet Ram Meena, R.V. Adivarekar and N.Sekar

HI TEA : 3:30 pm – 3:40 pm

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Session - II

Section - Physical Sciences

Day	:	One (Thursday)
Date	:	December 15, 2011
Section	:	PS (Physical Sciences)
Time	:	Evening (3:40 pm - 5:10 pm)
Chairperson	:	Dr. Pravin D. Kunte (India)
Co-Chairperson	:	Dr. Peerzada M. P. (India)
Co-ordinator	:	Dr. Shekhar Salunke
Reporteurs	:	1. Dr. Tejas P. Joshi (India) 2. Dr. Chetan Modi
Technician	:	One
Attendant	:	One

Invited Talk

Time : 3:40 pm - 4:00 pm

Name of Speaker: Prof. M. Selvaraj (Korea)

Research paper presentations

Time : 4:00 pm – 5:10 pm

Sr. No.	Ref. No.	Title of contributory paper	Author(s)
1	196	Microwave assisted synthesis of some schiff's bases and their antibacterial activity and corrosion inhibitory effects	Taruna Sethi, Alok Chaturvedi*, R.K.Upadhyay
2	201	Heavy metals distribution in soil of nikol lake, Ahmedabad, Gujarat, India	Sanjay D. VEDIYA* and Satish S. Patel
3	203	Real time water quality monitoring	Rahul Dubey, Sulekha Dubey
4	207	Distribution of Lead and cadmium Levels in the soil of Borkhar district (Isfahan)	Amir Gandomkar
5	211	Evaluation of water quality status of parashari river in Ganj basoda, M.P., India	Subhash C. Pandey, Asita Singh Tomar and Jyoti Raghuvanshi
6	214	Comparative study of natural phytoextraction and induced phytoextraction of lead using mustard plant (Brassica juncea arawali)	Kasturi Gadgil, Leela Kaur ¹ , Satyawati and Sharma ²
7	217	Investigation of some dissolved nutrients of an urban estuary at albion along the north west coast of Mauritius	Roshan T Ramessur*, Kishore Boodhoo and Sujata Sewnundun
8	218	Reduction of cod in pharmaceuticals and petrochemical effluents by use of coagulants	Bijal P. Chauhan ¹ , Mehali J. Mehta ² and Lalita Choudhary ³
9	220	Review on adsorption of phenol from waste water using locally available adsorbents	C R Girish ¹ *and V Ramachandra Murty ²
10	221	Risk assessment due to intake of uranium through the ingestion of drinking water around two proposed uranium mining areas, Jharkhand, India	Soma Giri*, A.K. Singh ¹ , V.N.Jha ²
11	224	Feasibility of Fenton's reagent for the treatment of wastewater from insecticide industry	Roshni Lad ¹ and Mihir Vyas ^{2*}
12	226	The study of physico-chemical properties of soil in habitat of Tamarix hispida in arid ecosystem of Iran (Case study: Kashan region)	Gh. Zehtabian ¹ N.Najafi ² H. Khosravi ³ and Reyhaneh Masoudi ⁴
13	229	Thermodynamic study for adsorption of Pb(ii)	Jyotikusum Acharya, Upendra

		from aqueous solution using atw	Kumar* ¹ and B.C. Meikap ²
14	235	An approach on modification of indigenous rural water filtration technique for arsenic mitigation using different bamboo charcoals	B. K. Baruah, A. K. Misra, C. Medhi ¹ , B. Das ² , And A. Haque ³
15	236	Distribution and ecosystem risk assessment of polycyclic aromatic hydrocarbons (PAHs) in core sediments of Sundarban mangrove wetland, India	Santosh Kumar Sarkar*, Mousumi Chatterjee ¹ , Bhaskar Deb Bhattacharya ¹ , Asokkumar Bhattacharya ¹ and Nallamuthu Godhantaraman ²
16	237	Studies on inclusion complexes of some substituted benzothiazole with β -cyclodextrin	Sunakar Panda
17	238	Analysis of groundwater of agricultural area of dahanu taluka, maharashtra, by piper trilinear diagram	Gogari P.K. ¹ , Chaudhari V.S.* ² and Save S.N. ³
18	239	Bioaccumulation of heavy metals through earthworms from water hyacinth contaminated vermicompost	¹ Patole S. S. and ² More B. C.
19	240	Effect of air annealing and gamma irradiation on the optical properties of F ₁₆ CuPc thin films	Raji Koshy and C.S.Menon.
20	245	Sediment analysis of Hussain Sagar lake and its management	Adi Lakshmi, Ashit Dutta and V.K. Sharma
21	249	Adsorption of Crystal Violet from aqueous solution onto sugarcane Bagasse : Central composite design for optimization of process variables	Sagnik Chakraborty, Shamik Chowdhury, and Papita Das (Saha)*
22	251	Environmental effects of pharmaceuticals	Abhilash Nair ¹ , and A.K. Khambete ²
23	253	Consequences of fluoride on flora and fauna: A critical review	Shubha Dwivedi ¹ , Naveen Dwivedi ² , C. B. Majumder and P. Mondal ³
24	262	Seasonal variation of Aerosol Optical Depth (AOD) over Delhi using satellite data	Puneeta Pandey ¹ *, Krishan Kumar, Dinesh Kumar, Amit Prakash, Manoj Singh and Jamson Masih ²
25	266	Defluoridation of water by using low cost adsorbents	M. V. Jadhav ¹ , and Y. S. Mahajan ²
26	267	Study of groundwater pollution due to agricultural activities	M. V. Jadhav ¹ , and Y. S. Mahajan ²
27	268	Study of Chitosan as an Adsorbent in water/wastewater Treatment-Review	M. V. Jadhav ¹ , and Y. S. Mahajan ²
28	273	Adsorption of phenol onto Jamun (<i>Syzygium cumini</i>) tree leaf powder	Mohd. Talib ¹ , Y.P.Chauhan* ² , .C.Renge ³ , S.L.Bhagat ⁴ and S.V.Khedkar ⁵
29	278	Modeling, simulation and experimental validation for the removal of mercury Hg(II) by activated carbon in a fixed bed adsorber	Manoj Sharma*, Shashi Kumar and Surendra Kumar

30	279	Extraction of Biodiesel from Kitchen used oil	Mayuri A. Mistry ¹ , and A.K. Khambete ²
31	281	Effect of acid activation in the development of tannery sludge activated carbon	Geethakartha A* and Phanikumar BR
32	282	Impact of Phosphate on Coagulation and Flocculation Processes at Optimum Coagulant Dosage in Presence of Ca ²⁺ Cation	Bandana Mahto and Mohammad Jawed
33	290	Production of Biodiesel using base and acid catalysed transesterification of sunflower and cottonseed oil	*Neha Patni, Chintan Bhomia, Pallavi Dasgupta and Neha Tripathi
34	292	2-oxazoline : A solventless environmentally benign approach	Shubhankar Bhattacharyya and Uma Pathak
35	294	Catalytic combustion of carbon monoxide over LaCoO ₃ perovskite catalyst	Femina Patel, Sanjay Patel, Dimpesh Gupta and Devarsh Acharya
36	296	Ammonium Removal From Landfill Leachate By Chemical Precipitation	Patel Ishanee and Desai Hemangi
37	297	Assessment of water Quality Index for the Ground Water with Respect to Salt Water Intrusion at Coastal Region of Surat City, Gujarat, India	Desai Birva and Desai Hemangi
38	298	Potential of azadirachta indica leaves for removal of hexavalent chromium from aqueous solution with reference to adsorption isotherm	Desai Akruiti J. and *Desai Hemangi H.
39	299	Characterization and treatment of untreated wastewater generated from dyes and dye intermediates manufacturing industries of Sachin industrial area	D. J. Naik, T. N. Desai* ¹ , H.H. Desai ²
40	300	Segregation and characterization of untreated wastewater generated from dyes and dye intermediates manufacturing industries of sachin industrial area	D. J. Naik, T. N. Desai* ¹ , H.H. Desai ²
41	311	Synthesis and properties of mixed ligand complexes of diorganotin (iv) : Part (vii) – synthesis and characterisation of some antibacterial dibenzoylmethane diorganotin(iv)-o-alkyl trithiophosphates	Leena Chordia and Alok Chaturvedi*
42	312	Electrosmog : Growing pollution in high – tech era	Choudhary D.S. ¹ and Rahangadale V. S. ²
43	314	Hydrogeochemical investigation of surface water resources of Jaunpur District, Uttar Pradesh, India	Mukesh Kr. Mahato, Abhay Kr. Singh, Ashwani Kr. Tiwari and B.K. Tewary
44	315	Performance analysis of Acrylic pyramid top cover solar still with and without sensible energy storage materials - tar coated blue metal and charcoal powder	S. Kalaivani ¹ , S. Rugmini Radhakrishnan ² and B. Selvakumar ^{3*}
45	316	Heat mass transfer and thermophysical analysis for double slope step type solar still	B.Selvakumar ^{1*} , S.Kalaiivani ² and S.Rugmini Radhakrishnar ³

46	317	Enhanced distillate yield of parabolic acrylic top cover solar still	S.Kalaivani ^{*1} , S.Rugmini Radhakrishnan ² and B.Selvakumar ³
47	324	Adsorption of textile dyes on low cost activated carbon: influence of surface functional groups	P. Manoj Kumar Reddy and Ch. Subrahmanyam
48	325	Production of H ₂ from H ₂ S in a dbd plasma reactor operating at high temperature	E. Linga Reddy. ^{1,2} , V.M. Biju. ¹ and Ch. Subrahmanyam.* ²
49	327	Vertical distribution of soil organic carbon and its effect on 'physical and biological' characteristics of the soil under different cropping system in mulberry	Srikantaswamy. K., Nagaraj. B, Sen.S and Qadri S.M.H
50	335	Comparative evaluation of isothermal models for removal of toxic azo dyes over low cost adsorbent	*Arti Malviya
51	337	Characterization of particulate trace elements in Tehran air	F. Halek and A. Kavousirahim
52	338	Atmospheric nano-sized particle counting in Tehran air	F. Halek and A. Kavousirahim
53	344	Refractory COD and Its different treatment methodology and totreat refractory COD in Leachate	Mayur Harsora ¹ , Mrs. A.K. Khambete ²
54	347	Removal of chromium (vi) from wastewater using phosphoric acid treated activated carbon	N. Suganthi
55	353	Distribution and mechanism of N ₂ O production in pacific waters with a special emphasis on stable isotopes	Nayeem Mullungal.M [*] , Van Hale.R, Frew.R.D ¹ , Law.C.S ²
56	360	The effect of particle size in the magnetic behavior of Mn Ni Fe ₂ O ₄ nanoparticles	E. Ranjithkumar ¹ , R. Jayaprakash*, Sanjay Kumar ² , Toshinori Kojima ³
57	361	Synthesis of CDO nanorods by microwave irradiation technique	¹ T. Prakash, *R. Jayaprakash, ² Sanjay Kumar, ³ Toshinori Kojima, ⁴ G. Neri.
58	362	Production of biosurfactant on different carbon sources by a native isolate of <i>Pseudomonas aeruginosa</i> RS29	Rashmi Rekha Saikia ¹ , Suresh Deka ¹ , Manab Deka ²
59	363	The augmentation of distillate yield by using concentrator coupled solar still with phase change material (PCM)	T. Arunkumar ¹ , R. Jayaprakash*, Sanjay Kumar ² and Toshinori Kojima ³
60	364	Characterization of PM ₁₀ and PM _{2.5} at Pune	Suman Yadav and P. Gursumeeran Satsangi
61	1765	Corrosion inhibition performance of 3-[(4-Chloro-phenylimino)-methyl]-quinoline-2-thiol Derivatives as Corrosion Inhibitor for Mild Steel in 1 NHCl	Bhupendra M Mistry And Smita Jauhari
62	1770	Temperature dependence of densities, speeds of sound, and derived thermodynamic properties of cyclohexylamine + benzene from (293.15 to 323.15) K	Naved I Malek*And Zubin R Master

63	1772	“Bioremediation of textile effluent containing sulfur dyes”	Kamat D. V. And Kamat S.D.
64	1565	Synthesis , Characterization and antimicrobial activity of N-[[4-[2-[5-(4-chlorophenyl)-3-(4-methoxyphenyl)-4,5-dihydro-pyrazol-1-yl]-2-oxoethoxy]phenyl]methylene]substitutedaniline	Pinka Patel, ¹ Deepa Gor ¹ and P. S. Patel
65	1567	Adsorptive removal of tannic acid from aqueous solutions using fixed bed carbon columns	Meenakshi Goyal, and Mamta Bhagat
66	1569	Water quality index: A mathematical assessment of underground DRINKING WATER POLLUTION	Gaurav Kumar Rastogi and D.K.Sinha
67	1573	Adopting an Integrated Water Resources Management in Mauritius	M. D. Nowbuth ¹ , S. M. Romjon ¹ and B. N. Umrikar ²
68	1574	Effect of geometry of electrodes and pulsating DC input on water splitting for the production hydrogen	Biswajit Mandal ^a , A. Sirkar ^a , Abhra sahu ^b , P. De ^b and P. Roy ^b
69	1589	Application of Thermal Methods in Soil Characterization	N. Raje, A. Dalvi, D.K. Ghonge and A.V.R. Reddy
70	1592	Removal of crystal violet by sodium hydroxide (naoh) treated saw dust from aqueous solutions	Sagnik chakraborty, subhabrata das, papita das (saha)*
71	1598	Synthesis and spectroscopic studies of some novel bivalent transition metal complexes	Suman malik ^a , supriya das ^a , bharti jain ^b
72	1602	Synthesis of biosurfactant from agro wastes	Jigar Gurjar ¹ And Bina Sengupta ²
73	1603	Sorption of chromate by surfactant modified willhendersonite	Vandana Swarnkar*, Radha Tomar
74	1459	Integrated Environment and Urban Planning for Sustainable Development of Cities	Birva Gandhi . H , Sangeeta Vaghasia . J. and Katti B. K.
75	1050	First law analysis of cogeneration in cane industry in Mauritius : Current and future scenario	Gopeegadoo S, Khoodaruth A. and Elahee K*

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Session - III

Section - Physical Sciences

Day	:	Two (Friday)
Date	:	December16, 2011
Section	:	PS (Physical Sciences)
Time	:	Morning (9:00 am to 11:30 am)
Chairperson	:	Dr. K.C.Poria (India)
Co-Chairperson	:	Dr. Geetaben Desai (India)
Co-ordinator	:	Dr. Anish Chandra (India)
Reporteurs	:	Dr. Hemangi Desai (India)
		Mr. Jay Bardolia
Technician	:	One
Attendant	:	One

Invited Talk

Time : 9:00 am to 9:20 am

Name of Speaker : Dr. B. Ganguly (India)

Research paper presentations

Time : 9:20 am – 11:30 am

Sr. No.	Ref. No.	Title of contributory paper	Author(s)
1	365	Microwave synthesis and study of magnetic property of nanocrystalline Mn-oxides	T. Durgaram ¹ , R. Jayaprakash [*] , Sanjay Kumar ² , Toshinori Kojima ³
2	369	Investigation of a suitable method for removal of hydrocarbon from refinery sludge	Suresh Deka ^{1*} , Pranab Kumar Sarma ² and Krishna Gopal Bhattachayya ³
3	372	Simultaneous determination of Guanine, Hypoxanthine and Xanthine using Reverse Phase High performance Liquid Chromatography.	Natasha Majumder and Tapan Kumar Jana
4	376	Adsorption kinetics study of Sb (III) and Sb (V) on the Sundarban mangrove sediment.	Sanjay Kumar Mandal and Tapan Kumar Jana.
5	379	Chemical Synthesis Route And Analysis Of Ni _(0.6) Zn _(0.4) Fe ₂ O ₄ Spinel Ferrite	S.J.Azhagushanmugam ¹ , .Suriyanarayanan ² and R.Jayaprakash ³
6	380	Green Mussel (<i>Perna viridis</i> L.) as bioindicator of heavy metal pollution at Kamal estuary, Jakarta bay, Indonesia	Lily Surayya Eka Putri ¹ , Zainal Arifin ² and Alfian Dwi Prasetyo ¹
7	385	Magnetic, electrical properties and stress sensitivity studies of NiCuZn-MgCuZn ferrites suitable for Microinductor applications	N.Varalaxmi ^{1,2} , K.Sivakumar ²
8	386	Synthesis, characterization and magnetic properties of copper doped cobalt ferrite nano particles	J.Balavijayalakshmi ^{1*} , N.Suriya Narayanan ² , R.Jayaprakash ³
9	387	Development of Environmental Management Model and Study of Key Parameters in Brahmaputra River, Assam	B. Tripti, M. Chandan,

10	388	Degradation of dihaloacetonitriles (DHANS) in drinking water samples	ArghaNamhata*
11	394	Regeneration of chitosan after heavy metal sorption	S.Bhuvaneshwari, D. Sruthi ¹ , V. Sivasubramanian K.Kanthimathy and S.Senthilrani ²
12	396	Kinetics of thermal degradation studies and antimicrobial screening of copolymer resins ¹	W. B. Gurnule ¹ , S. S. Rahangdale ² and R. H. Gupta ³
13	398	Synthesis and characterization of indium oxide nano particles by co-precipitation method	S.Karthik Kannan ¹ , S.Rajesh ² , and R.Jayaprakash ³
14	416	Modelling the photochemical formation of ozone at a surface site in kolkata, india	Debreka Ghosh ^a and Ujjaini Sarkar ^{a,*}
15	418	Potential of alumina for removal of anionic surfactant sodium dodecyl sulphate (sds) from aqueous solution with reference to adsorption isotherm	Raval Priti V. and Desai Hemangi H.
16	428	Groundwater quality assessment in and around Aligarh City, Uttar Pradesh	Nazia Khan, Syed Ahmad Ali and Shadab Khurshid
17	432	Ground water quality of Bhopal city with special reference to chemical pollution	Charanjit Kaur , Shailja Rajput ¹ and Vinita Vipat ²
18	441	Iron oxide from waste of reduction process	M.G. Desai
19	442	Solid-state photochromic properties of new synthesized Schiff base with pyrazolone-ring	Bhavna A. Shah*, Pratima R Surati ¹ and Ajay V. Shah ²
20	443	Modified bagasse fly ash as zeolitic material : For removal of toxic metals	Bhavna Shah*, Chirag Mistry ¹ and Ajay Shah ²
21	444	Pollution load distribution and transportation due to heavy metals in Surat Tapti Estuary Region	Bhavna A. Shah*, Chirag B. Mistry, Alok J. Navik ¹ and Ajay V. Shah ²
22	445	Kinetics, isotherms and column separation of toxic metal ions using microwave assisted synthesized chelating resin	Bhavna A. Shah*, Alok J. Navik ¹ and Ajay V. Shah ²
23	448	A case study of alternate fuel resource facility for co-processing of hazardous waste at Ichwtsdf, Surat	Nikita Roy
24	451	Evaluating health benefits by implementation of PM10 reduction strategies : A case study of Bengaluru	Anju Goel* ¹ and Chinthala Sumanth ²
25	452	Biodegradation of toluene (A BTEX) under seasonal and diurnal	Brijesh K. Yadav ¹ , Shristi R. Shrestha ² and S. Majid Hassanizadeh ³

		fluctuations of soil-water temperature	
26	454	Abatement of arsenite and arsenate from water bodies using an anion exchanger derived from Zea mays cob powder	Kumar Rohit Raj, Abhishek Kardam, M. M. Srivastava and Shalini Srivastava
27	459	Abatement of mixture of volatile organic compounds assisted by Nonthermal plasma	J. Karupiah ^{1,2} , R. Karvembu ¹ , Ch.Subrahmayam ^{*2}
28	460	Integrated Iron and Arsenic Removal by carbonate and bicarbonate salts of Na and K	Shreemoyee Bordoloi and Robin K. Dutta*
29	461	Synthesis and antimicrobial activity of 2-{4'- [(4"-Aryl) -3"-Cyano-2"- Methoxy-Pyridine-6"-YL] - Phenyl Amino}-6-[BIS (2"-chloroethyl) Amino] - 4 - Methoxy-1,3,5-Triazine	P. J. Kathiriya, P K Patel, V. M. Patolia and D. M. Purohit*
30	469	Evaluating booster chlorination strategies in urban drinking water distribution system using EPANET	Roopali V. Goyal ¹ and H. M. Patel ²
31	475	Physico- Chemical characterisation of wastewater at Korba city (C.G.)	Dhanesh Singh and Girish Keshker
32	482	Chemical and Physical Soil Properties Influencing TiO ₂ Nanoparticles Availability in Terrestrial Ecosystems	E. Tassi, R. Pini, F. Gorini ¹ , I. Valadao and J. A. de Castro ²
33	483	Evaluation of groundwater quality using contamination index : Study of Igando-Lagos-Nigeria	Akoteyon, I.S
34	489	Water surface and subsurface pollution, air pollution and vehicular pollution	Prerana N. Rajput
35	491	Evaluation of Drinking Water Quality of Bordi Area, Thane District, Maharashtra, India	Kapila Manoj ¹ and Usha Chaudhari ²
36	492	Occurrence of Polycyclic Aromatic Hydrocarbons in Cooking Fumes under Urban Indian Conditions	Deepchandra Srivastava, Anubha Goel, Manish Agrawal
37	495	Evaluation of different bioreactor designs for treatment of industrial wastewater	Sukanta Shekhar Bhattacharya ^{1*} and Niharika Sahoo ²
38	497	Sprouts: The nutritive powerhouse as a fermented food	*A.P. Khapre and V.V. Bansode
39	503	Prediction of concentration of Suspended particulate matter of Kamrup Region, Assam using Industrial Source Complex – Short Term (ISCST3) Dispersion Model	Kunhal Shah, Jignesh Patel and Krupali Kotadia
40	513	Assessment of Pesticide Pollution in Surface and Ground Water Samples from an Industrial Area, Hyderabad ,India	Rama Mohan Kurakalva*, Keshav Krishna Aaradhi and Manohar Kata
41	514	Effect of Tangential Velocity on the Performance of Uniflow Cyclone	Vighneswararao K., Manasa. D, Nithya.K ¹ , Ravish .K ² , T. Balanarasaiah ³ and Pitchumani.B ⁴

42	522	Study of physic - chemical parameters of Chulband River, Gondia District, Maharashtra	Cherian K.J. and Shahare P.C.
43	523	Advanced functional nanomaterials for gas monitoring	D. R. Patil [*] , G. B. Shelke, M. V. Patil, R. R. Attarde, J. P. Talegaonkar ¹ B. H. Patel and S. S. Patel ²
44	527	The relationship between radon effective diffusion coefficient and moisture saturation for two types of soil in Japan	G. Prasad, T. Ishikawa [*] , S. Uchida., S.K. Sahoo, M. Janik ¹ , M. Hosoda, A. Sorimachi and S. Tokonami ²
45	528	Renewable energy based floating power generator (rivers and canals)	¹ Shreelal N. Jha and ² D.S.Patel
46	529	Adsorptive removal of Malachite green (Oxalate) by Low cost adsorbent	Y. Subbareddy, V. Jeseentharani, C. Jayakumar, K. S. Nagaraja and B. Jeyaraj [*]
47	533	Study of physic - chemical parameters of Chulband River, Gondia District, Maharashtra	Cherian K. J. and Shahare P. C.
48	540	Biological removal of color and dye from waste water	Alpesh J. Shiroya [*] and K.K. Vaghasiya
49	542	Assessment of Water Quality Index for the Groundwater in Downstream side of the Kalingarayan Canal, Erode District, (TN) India	T. Mohanakavitha and T. Meenambal
50	546	Biosorption of crystal violet (A basic dye) from aqueous solution by citrullus lanatus (<i>watermelon</i>) rind	K. S. Bharathi and S. T. Ramesh
51	547	Utilization of Acid Corn Oil Esters as Reactive Diluents in VOC Compliant Eco friendly Coatings	Ravindra G. Puri [*] , Pawan D. Meshram and Rajkumar S. Sirsam
52	548	Modification of Granular Activated Charcoal (GAC) with Oxidizing Agents: Applications in Wastewater Treatment	Somdutta Singha, Bisweswar Das and Ujjaini Sarkar [*]
53	563	Performance comparison of electrolytes in the cathode chamber of dual-chambered microbial fuel cells	S. Shanmuga Priya [*] , M. Muthukumar and T. Sangeetha,
54	564	Assessment of carbon footprint of rajiv gandhi south campus, (banaras hindu university), Mirzapur (U.P.)	Sadhana Chaurasia ¹ , Vijai Krishna ² and Juli Kumari ³
55	570	Catalytic applications of silica based mesoporous materials in transesterification reactions	Shah Krunal A. ^a , Maheria Kalpana C. ^{a*} , Parikh Jigisha K. ^{b*}
56	580	Environmentally benign fischer tropesch synthesis using industrial cobalt catalyst	Hanif A. Choudhury ¹ and Vijayanand S. Moholkar ^{2*}
57	588	Risk assessment study of water and soil quality in Makum coal mining area of Assam	Ratul Bezbaruah, Himangshu Deka, Surabhi Buragohain, Arundhuti Devi [*] .
58	591	Removal of ciprofloxacin hydrochloride in tablet form from its aqueous solution using different adsorbents	Monika maheshwari [*] , Raj K. Vyas
59	593	Development of a selective ion exchange based process for arsenic speciation in	P. Mondal [*] , B. Mohanty, C. B. Majumder

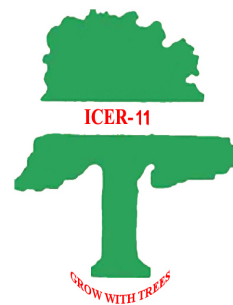
		presence of Fe and Mn in water	
60	597	Assessment of carbon footprints of rural households of vadodara district, Gujarat, India	Neerja Jaiswal* & Ms. Khayati Shah
61	598	Number and mass size distribution of atmospheric particles during different seasons at Agra	Tripti Pachauri, Aparna Satsangi, Vyoma Singla, Anita Lakhani, K. Maharaj Kumari
62	603	Evaluation and Mapping of Groundwater Quality Status of Ludhiana City	Hardeep Singh Rai, Puneet Pal Singh Cheema and Jeewan Jyoti
63	608	Seasonal Study of Physico-chemical and Biological Parameters of Surface Water in Coorg and Wynad Districts, India	Divya K.S. and Mahadeva Murthy S.
64	609	Application of industrial waste for developing energy efficient false ceiling panels	S P Raut, R V Ralegaonkar and Sachin A. Mandavgane
65	611	Removal of organic matter (chemical oxygen demand) from industrial waste water using coagulation	Bijal Chauhan
66	1605	Photocatalytic degradation of amaranth dye using tio ₂ coated coal cinder and brick granules	Ajay Bansal, Roopneet Kaur, Kushaldeep Singh
67	1608	Arsenic in groundwater of central ganga alluvial plain, northern india: its distribution and controlling factors	Dharmendra Kumar Jigyasu ¹ , Nupur Srivastava ¹ , Sandeep Singh ² , A.K.Chowdhary ³ , Munendra Singh ¹
68	1609	Water quality assessment of the surface and subsurface water in balco industrial area, korba, c.g. India	M. M. Vaishnav# S. Dewangan
69	1613	Synthesis, characterization and catalytic significance of entrapped transition metal complex nanoparticles in the zeolite □y	Chetan K. Modi*, Parthiv M. Trivedi, Tejas P. Joshi
70	1618	Removal of contaminants from water by microporous and mesoporous materials	Durlov Saikia ¹ , Jagadindra Raychoudhury ² And Anup K. Talukdar ¹
71	1476	Carbon Credits in the larger process of Globalisation and Financial Capitalism	Aakrati Gupta and Aditi Sheth

HI TEA : 11:30 am – 11:40 am

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E-mail : icer10.jerad@gmail.com

Web Site : <http://www.icer10.jerad.org>

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Scientific Program

Oral Presentation

Venue -Hall No. G 2

Session - IV

Section - Physical Sciences

Day	:	Two (Friday)
Date	:	December 16, 2011
Section	:	PS (Physical Sciences)
Time	:	Afternoon (11:40 am to 1:00 pm)
Chairperson	:	Dr. Gurdeep Singh (India)
Co-Chairperson	:	Dr. P.L. Jain (India)
Co-ordinator	:	Dr. Abtin Ataei (Iran)
Reporteurs	:	1. Dr. Smita Johri 2. Ms. Mehak
Technician	:	One
Attendant	:	One

Invited Talk

Time : 11:40 am to 12:00 pm

Name of Speaker : Dr. Amitava Das (India)

Research paper presentations

Time : 12:00 pm – 1:00 pm

Sr. No.	Ref. No.	Title of contributory paper	Author(s)
1	614	Carbon Trading : Facts and Fallacies	Nitin V. Bhate and Hemant M. Jariwala
2	615	Waste vegetable oil as a source of biodiesel	Khushboo Parmar and Amita Upadhyaya
3	621	Survey on water quality of Tajan River in sari and its conceptual modeling in 2009 - 2010	Mohammad Ali zazouli, Anoshiravan mohseni Bandpei ¹ , Syed Ahmad mirbagheri ² , Yahya Esfandyari ³ and Edriss Bazrafshan ⁴
4	624	Continuous settler for separation of iron from granite sample	Hiranmai.A, P avani. T, Vighneswararao. K ¹ , Rakesh.M ² and Pitchumani.B ³
5	626	Characterization of Polycyclic Aromatic Hydrocarbons in vapour phase at Agra	Vyoma Singla, Aparna Satsangi, Tripti Pachauri, K. Maharaj Kumari and Anita Lakhani
6	638	Equilibrium and Diffusion modeling of liquid phase adsorption of 2,4-Dichlorophenol on apricot stones based activated carbon	Aakarsha Srivastava*, Shashi Kumar and Surendra Kumar
7	640	Adsorption Studies of Zn (II) Ions from wastewater using <i>Calotropis procera</i> as an adsorbent	Kailash Daga, Vinod Vaishnav, Suresh Chandra, Madan Lal, Bhanupriya Mordhiya and Sonia Agrawal
8	642	Emerging adsorbents for CO ₂ capture with special emphasis on agro - based adsorbents	Kartik Totlani, Prem Daswani, Sachin Mandavgane ¹ and Ganesh Kale ²
9	658	Effect of activators on ethanol gas sensing performance of ZnO thick film resistors	S. S. Patel ¹ and D. R. Patil ^{2*}
10	666	Study on the decolourization of aqueous solution of reactive black 5 dye using Ultrasound	Sundaram Saravanan and Thirugnanasambandam Sivasankar*
11	671	Evaluation of groundwater Pollution of Sangamner Area, Ahmednagar district, Maharashtra, India.	K.K. Deshmukh

12	678	The efficiency of advanced oxidation process in removal of linear alkylbenzene sulfonate from aqueous solution	Dehghani M.H. , Ghaderpoori M. And Changani F.
13	679	Evaluating the toxicity of textile wastewater after nanophotocatalysis process using <i>Daphnia magna</i> bioassay	Dehghani M. H. and Mahdavi P.
14	680	Computational Simulation and Effect of Swirl Angle on Soot Formation of 2D Swirl Burner in Gas Turbine	K. M. Pandey and Surya Kumar
15	682	Synthesis, characterization and antimicrobial studies of metal complexes of 2-(2-(5-benzoyl-1-h-benzo[d][1,2,3]-triazol-1-yl)2-oxoethyl amino) benzoic acid	P.S. Desai and D. V. Parekh
16	683	Inhibitory action of aniline on aluminum corrosion in hydrochloric acid solution	P. S. Desai and S. M. Kapopara
17	684	Comparative study of CO ₂ capture and storage technology: A Review	K.M Pandey ¹ and S.N Pandey ²
18	688	Using Zinc Oxide Nanoparticles And Ultraviolet Irradiation (Uv/Zno) For Removal Of Acid Dye From Industrial Wastewater	Dehghani M.H. ¹ and Mahdavi P. ²
19	689	Sonodegradation kinetics of organophosphorus pesticides in water	Dehghani M.H. ¹ , and Fadaei A.M. ²
20	690	Investigation and prediction of the effects of industrial wastewater discharge on ground waters arid zones using conceptual hydro salinity model	H. Zarei. Mahmoud Abady 1, A. Mir Hosseini1, Ma. Yazdy2
21	698	Preparation and characterization of activated carbon prepared from coconut shell by conventional and Microwave assisted chemical activation and adsorption of Ni (II) on it.	J.D. Ekhe, Atul Maldhure ¹ Kartik Totlani and Raj Mehta ²
22	699	Assessment of Air Quality status near Ambaji multimetal Mine area in Gujarat	Alka Pradhan and Alka Sharma ¹ Jitendra P. Deshmukh ²
23	707	Experimental Study on an increase in efficiency by wick effect for waste water treatment in pyramid solar still	A. Prakash ¹ , R. Jayaprakash ² and Sanjay Kumar ³
24	710	Studies on water quality of Gaurisankar Sarovar in municipal area of Bhavnagar, Gujarat	H. D. Navadiya
25	711	Recovery of Nickel from Spent Ni/Al ₂ O ₃ Catalysts using Acid Leaching, Chelation and Ultrasonication	Rachit Oza ¹ and Sanjay Patel ²
26	713	Inactivation of Water Microbial Indicator by Surface Modified Iron Doped ZnO under Mild Hydrothermal Conditions	Afshin Maleki, Behzad Shahmoradi ¹ and Amir Hossein Mahvi ²

27	714	Reduction of humic substances in water by ultrasound waves and ultraviolet irradiation	Afshin Maleki, Behzad Shahmoradi, Reza Rezaee ¹ and Amir Hossein Mahvi ²
28	715	Synthesis and characterization of surface modified iron doped TiO ₂ nanomaterials under mild hydrothermal conditions	Afshin Maleki ¹ , Behzad Shahmoradi ¹ , Amir Hossein Mahvi ² and K. Byrappa ³
29	716	Removal heavy metals from water and industrial wastewater by low cost adsorbent	Fazlollah Changani, KhorasGani ¹ and Suhil Ayub ²
30	717	A case study of alternate fuel resource facility for coprocessing of hazardous waste at Ichwtsdf, Surat	Ashish Mehta and Nikita Roy
31	718	UV mutagenesis of the isolated gram negative short rod for enhancing its azo dye degrading potential	Shweta Agrawal ¹ , Shailesh Dave, Devyani Tipe ² and Bavesh Patel ³
32	721	On balancing the statistical risks and rewards of a power source with the atomic weight	P.R.Vyas ¹ and B.P. Shah ²
33	722	Evaluation of drinking water quality	¹ Krishna Vaidya and ² Mohini Gadhia
34	723	Use of microbes for nuclear waste management	Prateek Lal Shah and Shruti Sharma
35	725	Potential of potential of kitchen waste to generate bio	Prasad Bharat ¹ and Yadav K D ²
36	1624	Advances in use of biosurfactants for bioremediation of hydrocarbons and metals: A review	Ujvala Christian* And Yamini Patel
37	1639	Assessment of noise level in dehradun city, India	Nihal Anwar Siddiqui And Geetanjali Kaushik
38	1643	Deciphering artificial recharge zone and recharge site by using wioa and boolean logic analysis in hard rock granitic terrain, A.P. India	R.K.Prasad ¹ , V.S.Singh ² and N.R.Bhagat ¹
39	1644	Iron- a contaminant of ground water in kashmir valley of jammu & kashmir state	Rachna Bhatti ¹ , *Priya Kanwar ² and Vinod Sharma ²
40	1652	The role of surfactant system for the removal of hazardous aromatic species	Tejas P. Joshi
41	822	Aerodynamic analysis of a dynamic spoiler on race car performance using cfd	Kotta Bharath, Ajay Kumar Maddineni, Abdul Vaseem Akram, R.Thundil Karuppa Raj

LUNCH : 1:00 pm – 2:00pm

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Scientific Program

Oral Presentation

Venue -Hall No. **G 2**

Session - V

Section - Physical Sciences

Day	:	Two (Friday)
Date	:	December 16, 2011
Section	:	PS (Physical Sciences)
Time	:	Afternoon (2:00 pm to 3:30 pm)
Chairperson	:	Dr. Vibhuti G. Joshi
Co-Chairperson	:	Dr. Ashaben Bhatt (India)
Co-ordinator	:	Dr. Srikanta Swami
Reporteurs	:	Ms. Mehali Mehta
Technician	:	One
Attendant	:	One

Invited Talk

Time : 2:00 pm to 2:20 pm

Name of Speaker : Prof. Ravi Bhushan (India)

Research paper presentations

Time : 2:20 pm – 3:30 pm

Sr. No.	Ref. No.	Title of contributory paper	Author(s)
1	726	Electro chemical determination of Pb (II) ions by carbon paste electrode modified with bismuth oxide nano – particles : An environment friendly approach	D. S. Rajawat, S. P. Satsangee ¹ and S. Srivastava ²
2	728	Hydrogen generation from water using metal nanoparticles	Sushil Riyar ¹ and Ganesh R. Kale ²
3	729	Study on noise pollution in Navsari city of South Gujarat, India	Darshana C. Patel and P.K.Shrivastava
4	734	Detection of optical radiation	Anubhuti Khare ¹ , Manish Saxena ² and Pravin J. Chaudhari ³
5	737	The comparative study of leachate characteristics of landfills	Shakti Arora and Rishi Rana
6	740	Regeneration and morphogenetic potential of <i>Capsicum</i> sp.	Ashwani Sharma and Pushpa Agrawal
7	742	Biogas production from crude glycerol in a baffled multistage bioreactor	V. Beschkov and I. Angelov
8	743	Modeling of packed bed column for the removal of arsenic from water	Prashant Kumar Singh , P. Mondal
9	744	Chemical synthesis route and analysis of Ni _(0.6) Zn _(0.4) Fe ₂ O ₄ spinel ferrite	S.J. Azhagushanmugam ^{1*} , N. Suriyanarayanan ² and R. Jayaprakash ³
10	745	Thermodynamic analysis of combined reforming of propane	Roshan Wathore, N. Madhu, Ganesh R. Kale
11	747	Zero liquid discharge: Concept to reality	N.I. Doctor and A. S. Motorwala
12	754	Sonochemical degradation of 4-chlorophenol assisted by H ₂ O ₂ and Ag-TiO ₂ or TiO ₂	Shilpa Nandwani

13	757	Optimization of Poly- β -Hydroxybutyrate production using various edible oil contaminated soil isolates	Darshan Marjadi ¹ and Nishith Dharaiya ²
14	761	Study of Residual Pesticides Analysis in the Groundwater of Ajmer City Rajasthan (India)	Subroto Dutta, Abha Sisodia
15	764	Sewage water irrigation-a threat to soil quality- : A case study of Amanishah Nala, Jaipur, India	Subroto Dutta, Priti Bhargava
16	766	A study on biodiesel storage stability	Prodyut Dhar and Suyash Mandal
17	776	Biological treatment of waste water by using activated sludge process	1.S.A.Dharaskar*and 2 S.S.Balkar
18	782	Thermodynamics of Copper (II) ion removal from aqueous solutions using biosorption technology	V.S. Sethu, X.W.Ang ¹ , J.M. Andresen ²
19	783	Preparation of the Single Sludge for Nitrophenol removal in a Simultaneous Nitrification Denitrification (SND) based Sequencing Batch Reactor (SBR).	P M Kulkarni*
20	785	Water Quality Studies Of A Modern Industrial Town	Sukhmani Kaur, Shakti Arora , and Vasundhara Singh
21	794	Algal Biodiversity with reference to Heavy metal in Tapi, Surat, Gujarat	Kapila Manoj and Solanki Maheshwari
22	795	Cu - impregnated activated carbon microfibers and carbon nanofibers for the production of oxygen from steam	Bhaskar Bhaduri*, Shiv Singh and Nishith Verma
23	796	Study on locally available coagulant (<i>Moringa oleifera</i>) for removal of turbidity from water as low cost a coagulant	M. V. Jadhav ¹ and Y. S. Mahajan ²
24	797	Environment Impacts on Ocean Acidification	Sejal Colarwala and Mayur Harsora
25	799	Prediction of carbon monoxide from automobile emissions on important roads of Ahmedabad, Gujarat, India	Niki Gopani* and Akshey Bhargava
26	809	Use of selected advanced oxidation processes (aops) for Textile wastewater treatment : A mini review	S.M. Shaha, N. J. Mistryb
27	811	Preparation of conducting polyaniline / expanded graphite composite and study of their methanol gas sensing properties	Surajit Konwer and Swapan K. Dolui
28	812	Comparative study on extraction of blue dye from butterfly pea using different techniques	Keka Sinha ^a , Dr Papita Das (Saha) ^a , Dr Siddhartha Datta ^b
29	813	Synthesis and biological studies of new heterocyclic compound and their anti microbial activity	P K Desai, P J Naik & K R Desai

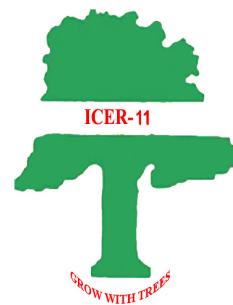
30	814	Conversion of carbon dioxide into carbonate product by carbonation technology	Anjali Gupta ^{1*} and Arvind K. Nema ¹
31	818	Adsorption of iron from aqueous solution using almond shell as adsorbent	** G. Anusha ¹ , Suneeth Kumar S.M
32	819	Enhancement of limestone defluoridation of water by using phosphoric acid in a continuous flow method	Sweety Gogoi and Robin K Dutta*
33	826	Comparative studies of ZNO and ZNS as photo catalyst on degradation of hydroquinone	N.Shanmuga Sundaram,
34	828	Preparation of conducting polyaniline/expanded graphite composite and study of their methanol gas sensing properties	Surajit Konwer and Swapan K. Dolui
35	006	Capacitance and quality factor measurement of borassus flabellifer by dielectric behaviour.	Sushil Phadke ¹ , B.D.Shrivastava ² , N. Dagaonkar ² And Ashutosh Mishra ³
36	1655	Removal of Heavy metals using modified Galactomannan	Premlata Kumari
37	1669	Environmentally sustainable Water soluble Dye	Esai* And N.S.Indorwala
38	1677	Studies on Synthesis, Characterization and Biological Activities of 1,3,4-Thiadiazole Derivatives	Anita Dubey,
39	1680	Synthesis and biological evaluation of N-substituted -3-chloro-2- azetidinones	Dinesh R. Godhani ^{1*} Anil M. Sanghani ² And Purvesh B. Dobariya ¹
40	1683	Phytoremediation by rhizofiltration of sewage by using eichhornia, pistia and azolla near tapovan, nashik.	¹ Pundlik Shivaji Ware, ¹ Pritesh Kishor Patel and ² G. D. Maske
41	1793	Importance of Ca in potato tubers and overcoming Ca deficiency by genetic modification for production of pcm6	Shubhi Gupta, Karan Agarwal
42	1811	Design, Synthesis and <i>in-vitro</i> antimicrobial evaluation of some azetidiny-3-(isonicotinamide-yl)-6-iodo-quinazolin-4-one derivatives	Jignesh P. Raval* And Kruti N. Myangar
43	1812	Green Chemistry: Design, Synthesis and pharmacological evaluation of β -amino carbonyl compounds catalyzed by a novel catalyst under solvent-free conditions	Jignesh P. Raval*, And Tarunkumar N. Akhaja
44	1481	Type of Carbon black on the Electrical Conductivity of Expander Materials	Somsak Meenakorn

HI TEA : 3:30 pm – 3:40 pm

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Scientific Program

Oral Presentation

Venue -Hall No. **G 2**

Session - VI

Section - Physical Sciences

Day	:	Two (Friday)
Date	:	December 16, 2011
Section	:	PS (Physical Sciences)
Time	:	Evening (3:40 pm - 5:10 pm)
Chairperson	:	Prof. S.S.Godre (India)
Co-Chairperson	:	Dr. Upendra Kumar (India)
Co-ordinator	:	Dr. Chranjeet Kaur
Reporteurs	:	Dr. Prathmesh Vyas
Technician	:	One
Attendant	:	One

Invited Talk

Time : 3:40 pm - 4:00 pm

Name of Speaker : Dr. K. K. Desai (India)

Research paper presentations

Time : 4:00 pm – 5:10 pm

Sr. No.	Ref. No.	Title of contributory paper	Author(s)
1	830	Carbon dioxide-an endlessfuel	Blessy John, Dishant Bhanti* and Mayank Dalal
2	852	Kinetics and mechanism of removal of textile dyes by adsorption on thevitia peruviana	Srinivasan.P ¹ , Raja.S ² , Sivakumar.P ³ , P.N. Palanisamy ⁴
3	854	Kinetics of nitrogen mineralization in sludge amended soil	A .Das, P. K .Sharma S. K. Shahi
4	856	Salt water intrusion - a case study of coastal area of valsad city,Gujarat , India	G. M. Malik*, V. H. Raval, K. S. Contractor and M. M. Dala
5	861	Soil analysis with reference to the nutritional elements (N.P.K.) In janjgir-champa district of chhattisgarh	P. K. Singh* R.K. Sahu ¹ and K. C. Gendle ²
6	862	Production and characterization of biodegradable polymer by <i>Azhydromonas lata</i> mtcc 2311 using industrial waste/byproduct	Mohd.Zafar*, Shashi Kumar, Surendra Kumar, A.K. Dhiman
7	864	Treatment of dairy wastewater in an upflow anaerobic packed bed reactor	K. D. Bhuyar ¹ , Bansode V.V ² and Dawande S. D ³
8	869	Isothermal, kinetic and thermodynamic studies on basic dyes sorption using rice husk carbon	Rajeswari.M, Pushpa Agrawal and Anila Rani P.
9	870	Strategies for enhancement of biological hydrogen production	A. P. Bhagat, Yogesh Gavali, Vikram Dube and A. V. Pethkar*
10	876	Ocean acidification - the other half of the Co2 problem	SutariyaHardik L., Sutariya Kuldeep V., Javiya Risheet A. and Padaliya Rohit V.
11	879	Qualitative evaluation of various dust aerosols in dust storms	Parul Gupta, Sudhir Kumar, Virendra Singh ¹ and Mahender Choudhary ²
12	890	Ionic liquids: Green solvents for the future	Ramesh L. Gardas

13	893	Dielectric properties of monodispersed nanocrystalline nickel	Satish Ijardar and Nitish Gupta*
14	900	Indoor ²²² Rn and ²²⁰ Rn levels in bangalore metropolitan, india: a correlation study	Sathish.L.A* , Samvit G Menon ¹ and T.V.Ramachandran ²
15	924	Experimental investigations of Some Ultrasonic parameters of ASAD	B.D. Shrivastava* , Daluram Yadav, N. Dagaonkar ¹ .Mishra ² & Sunil Ujale ³ ,
16	932	Design and Working of a lab scale UASB reactor for treatment of Pharmaceutical Industry	Monika N. Shah
17	934	Numerical Study on the Effect of Fuel Injection Pressure on in-nozzle cavitation flows of a Fuel Injector using CFD	Dr.R.Thundil Karuppa Raj ¹ , S Vamsi Krishna ² , Gagandeep Singh ³
18	958	Inorganic Benzene as a Sensor for Fluoride Ion	Manoj K. Kesharwani, Moorthy Suresh, Amitava Das and Bishwajit Ganguly
19	960	Study of kinetics and isotherm models for the removal of Cr (VI) from aqueous solutions by using pretreated testa (husk) of <i>Anacardium occidentale</i> L.	Chandrakala Gunturu* , Sivakumar Ch V, Abhisek Bagchi, Meera Indracanti
20	962	Assessment of heavy metals in soil and <i>Vigna radiata</i> (L.) after fertigation with distillery effluent	Vinod Kumar† and A.K. Chopra
21	968	4-Aminoantipyrine As Corrosion Inhibitor For Zinc In Phosphoric Acid	R. T. Vashi* ^a and Diksha Naik ^b
22	969	Adsorption of Phenol on Environmentally Friendly Indian Coal Fly Ash from Aqueous Solution	Pragya Nema and B. K. Singh
23	971	Isothermal Compressibility of Some Liquid Semiconductors	Y. A. Sonvane ^A , P. B. Thakor ^A Sandhya Kanawade ^A and A. R. Jani ^B
24	981	Land Application of Treated Industrial Wastewater to a Chihuahuan Desert Ecosystem: Implications on Hydraulic Properties and Mineral Deposition	Manoj K Shukla, Geno A Pichionni, John G. Mexal, Pradip Adhikari
25	989	In Silico Approaches Towards The Design Of Chemical Processes For The Detoxification Of Environmentally Hazardous Pesticides And Chemical Warfare Agents	Md. Abdul Shafeeuulla Khan, ^a Manoj K. Kesharwani, ^a Tusar Bandyopadhyay ^b and Bishwajit Ganguly ^{a,*}
26	997	Groundwater Quality Assessment Of Drinking Water Of Gandhi Nagar Area In Bhopal, Madhya Pradesh, India	Archana Singh, Suman Malik, Mamta Bhattacharya and Ramkumar Kushwaha
27	999	Structural, Electronic and Thermal Properties of Liquid Lanthanides	P. B. Thakor, Y. A. Sonvane ^A and A. R. Jani ^B

28	1000	Thermodynamical Properties of 4f Rare Earth Liquid Metals	P. B. Thakor ^A , Y. A. Sonvane ^A , H. P. Patel ^A , P. N. Gajjar ^B and A. R. Jani ^C
29	1001	Competitive sorption of Acephate pesticide on BFA and Microwave Synthesized Zeolite : Equilibrium and Kinetic studies	Bhavna Shah*, Piyush Jadav ¹ and Ajay Shah ²
30	1011	Quality Assesment of Surface Water of Newaj River In Rajgarh (M.P.) India	Suman Malik, Archana Singh and Naveen Malviya
31	1013	Production of Isopropyl Acetate in Membrane Reactor : Modelling Study	Nisha Katiyar, Shashi Kumar, Surendra Kumar and Keshav Dixit
32	1016	Adsorption of Methylene Blue from Aqueous Solution - A Comparative Study for Colour Removal Efficiency of Bagasse Fly Ash and Brick Kiln Ash	Himanshu D. Baxi ¹ and Milind R. Gidde ²
33	1024	Eco-friendly aspects of application of indigo on cotton substrate using various dyeing techniques	Bipin J Agrawal ¹ and Bharat M. Lad ²
34	1027	Existing methods for disposal of hazardous waste with special reference to Chemical Industry in Pune city	T. T. Mane ¹ and Suparna Mandal ²
35	1028	Nickel (II) Ion Selective Electrode for Environmentally Green Chemical Processes	Sunita Hooda and Amit Kumar
36	1030	Evaluation of Water Quality Index for drinking purposes of river Tapi, Surat	Jitendra Mehta, Khyati Thakkar, Hetvi Tailor*, Ritu Sharma and Kavita Rochlani
37	1032	Persistence of Cypermethrin and Chlorpyrifos in Soil under Okra crop following application of pre-mix formulation	Samriti ¹ and Beena Kumari ^{*2}
38	1035	Comparative studies on impact of azolla (floating fern) and azospirillum (free living soil microbe) on methane emission from wetland rice paddy ecosystems of south India – A measure to mitigate methane emission	Venkatesh. S
39	1037	Removal of NH ₄ -N by struvite precipitation : A review and study on MAP process at laboratory scale	Krunal Suthar, Nikita Chokshi
40	1042	Decontamination of heavy metal bearing aqueous solutions and industrial effluents by microorganisms	Dilip Markandey, R C Trivedi ¹ , Raj K. Salar ² and N Markandey ³
41	1048	Ground Water Quality Assessment of Amroli Area	Murtuza Hajoori, Khyati Thakkar, Hetvi Tailor, Ritu Sharma and Kavita Rochlani*
42	1052	Elemental composition of the sediment core from the central western Bay of Bengal by using XRF Technique	P. V. L. Narayana ^{1*} , R.Swetha ¹ , A.D.P.Rao ¹ , I K. Raja ² , N.Rao ³ and G.Srinivasarao ⁴

43	1059	Carbon Dioxide Sequestration : A Solution to A Global Problem	Kuldeep V. sutariya*, Padaliya Rohit V., Javiya Risheet A. and Sutariya Hardik L.
44	1061	Decolonization of dyes with copper (II) / organic acid / hydrogen peroxide systems	R.V.Padaliya and K.V.Sutariya
45	1065	Synthesis and characterization of novel Schiff bases	Surbhi Arya* and S. M. Sondhi
46	1066	Component of background gamma radiation levels in Bangalore Metropolitan, India	Samvit G Menon and Sathish.L.A*
47	1078	Study of seismo - ionospheric perturbations by demeter satellite data	Santosh K. Jain ¹ and P.L.Jain ^{2*}
48	1079	Fate of Up-flow Anaerobic Sludge Blanket Reactor Effluents in Biologically Activated Carbon Filter	Arvind Kumar Mungray and Swaroop Biswas
49	1087	Water Quality in and around Vedant Thermal power plant, Jharsguda, Orissa, India	Amitabh Mahapatra, Dhruba Charan Dash and Sanjib Kumar Naik
50	1088	Synthesis of activated carbon by chemical activation of Tea precursor and its application in removal of phenol and 4-chlorophenol	Lukumoni Borah , Subhasish Roy, Kula Kamal Senapati and Prodeep Phukan*
51	1089	Assessment of surface water in the vicinity of industrial area near Dhatav of Raigad	S. M. Tandle, P. Lokhande and H. A. Mujawar
52	1090	Comparative study of decreasing surface ozone concentration during major solar proton events over mid- latitude regions	A.K. Sharma*, D. P. Nade and R. S. Vhatkar
53	1094	A study on ocean acidification due to carbon dioxide along the coast of visakhapatnam urban	S. A. Soma Sekhar, Ch.V. Padma Rao, K.Raja ¹ P.V.Lakshmi Narayana ²
54	1096	Estimation of Natural Radioactivity from the soil of Garhwal Himalaya	B.S.Rautela ,G.S. Gusain*, Ganesh Prasad and R.C.Ramola
55	1105	Effect of mordants during application of Alphonis Ecelsa dye on Jute substrate	Dr. Bipin J Agrawal* & Chintan Bawaiwala**
56	1110	Trace element accumulation in the leaves of Azadirachta indica and Pongamia glabra collected from environmentally different sites	M. Ravi Kumar, G. J. Naga Raju, P. Sarita ¹ and S. Bhuloka Reddy ²
57	1121	Natural radionuclides concentration in medicinal plants and evaluation of transfer factor	Prakash V ^{1*} , Rajashekara K M ² and Narayana Y ³
58	1122	Seasonal Variation in Ground Water Quality at North Zone of Chalisgaon Taluka, Dist. Jalgaon (Maharashtra)	P. J. Parmar
59	1126	Bio Inorganic studies on Cobalt (II) complex of azo dye ligand	V. A. Modhavadiya* and J.M.Parmar.

60	1748	Synthesis and antimicrobial activity of [2''-aryl(quinoxaline)-3-yl]-(methylene phenyl amino)-6-[bis-(2'''-chloro ethyl) amino]-4-methoxy-1,3,5-triazine	P. J. Kathiriya, V M Patel, P K Patel, V N Patolia And D. M. Purohit
61	1749	Environmental pollution due to burning of corpses in open and in crematorium	¹ devendra Mohan, Harshit Jain And ² ankur Agarwal
62	1750	Removal of Heavy Metal (Pb and Cr) from Synthetic Solution by Spirogyra sp.	Nidhi Rawat And J.P.N. Rai
63	1687	Synthesis, characterization and antimicrobial studies of fluorinated 3,5-diaryl-2-pyrazolines using fluoroalcones	¹ Madhvi A. Surati, ¹ smita Jauhari*, ² k. R. Desai
64	1694	Environment Protection A Global Challenge to Chemist	K. R. Desai
65	1695	A Case Study on Dioxin and Furan Emission from Common Hazardous Waste Incineration Facilities in Gujarat	<i>Amit R. Thakkar*</i> , <i>Pratik D. Bharne**</i> , <i>B.R. Naidu***</i>
66	1696	Volatile Organic Compounds (Vocs) In Ambient Air of Chemical/Petrochemical Industrial Area Near Vadodara, Gujarat	<i>A. R. Thakkar*</i> , <i>P. D. Bharne**</i> , <i>B. R. Naidu</i>
67	1697	Impact of climate change on human health	Mrs. Trapti Pathak [#] & Surendra Singh Parihar
68	1704	Seasonal variations in water quality of Urban areas	T.Senthilnathan ^{1*} , K.V.Parvathavarthini ² , Santhi M. George ³ and M.Govindaraj ⁴
69	1705	Reuse of Slag in Stainless Steel Cladding and Its Effect on Chemistry of Cladding	Jatinder Garg* ¹ and Kulwant Singh ²
70	1707	Biomonitoring approach for heavy metal pollution-A case study from a Tropical Wetland System of India	Authors:- U P Nasir ^A , P S Harikumar ^B , D Brahmaiah ^A , And B R Naidu
71	1711	Synthesis of benzimidazolyl-1,3,4-oxadiazol-2ylthio-N-phenyl(benzothiazolyl) acetamides as antibacterial, antifungal and antituberculosis agents	Rahul V. Patel ^a , Premlata Kumari ^a and Kishor H. Chikhalia ^b
72	1712	Synthesis of {4-oxo-3-[4-(2-oxo-2H-chromen -4-ylamino)-phenyl]-2-phenyl-thiazolidin-5-yl}-acetic acid derivatives and their antimicrobial and antituberculosis activity	Divyesh K. Patel ^a , Premlata Kumari ^a and Navin B. Patel ^b

4TH INTERNATIONAL CONGRESS OF ENVIRONMENTAL RESEARCH

December 15-17, 2011

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Phone : +91-755--4222030

Mobile : +91 9825138685, +91 9426185768, +230 947 5319, +66-89206-9970

E-mail : icer10.jerad@gmail.com

Web Site : <http://www.icer10.jerad.org>

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Scientific Program

Oral Presentation

Venue -Hall No. G 2

Session - VII

Section - Physical Sciences

Day	:	Three (Saturday)
Date	:	December 17, 2011
Section	:	PS (Physical Sciences)
Time	:	Morning (9:00 am to 11:30 am)
Chairperson	:	Dr. B. A. Shah (India)
Co-Chairperson	:	Dr. Giraben Tambawala
Co-ordinator	:	Dr. Lingaraj Patro
Reporteurs	:	Dr. Hitesh Desai
Technician	:	One
Attendant	:	One

Invited Talk

Time : 9:00 am to 9:20 am

Name of Speaker : Prof. K. R. Desai, Surat (India)

Research paper presentations

Time : 9.20 am – 11:30 am

Sr. No.	Ref. No.	Title of contributory paper	Author(s)
1	1128	Air Quality Modeling of PM ₁₀ using ANN and ISCST-3 for an Urban Environment	Indramani Dhada And G.Ravikumar
2	1137	Studies on the production of Xylose from Water hyacinth	Subhabrata Das ^a and Amit Ganguly ^b
3	1138	Water flyash phenols adsorption structure - Activity relationships	Nandita Bose and B. K Singh*
4	1139	Colorimetric studies of Phenyl Pyrazolones Substituted 3-(4-Aminophenyl)-2-Phenylquinazolin-4(3h)-One Derivatives and their Dyeing Performance on Various Fibers	Nikhil M. Parekh and Kalpana C. Maheria*
5	1141	An Empirical Study of the Carbon Footprint in Steel Making in India	Rohit,Saroj Koul ¹ and Atul V ²
6	1143	Characteristics of Surface Water Quality of Industrial Regions of Surat City, Gujarat, India	Namrata Jain, Jigna Desai, S.K.Tank
7	1146	Ground water pollution by Arsenic – A case study of West Bengal	Hinal H. Jariwala Gunjan D. Agarwal Hiral B.Patel Dipi A.Patel
8	1148	Multicomponent reaction using zeolite as green solid acid catalyst	Kalpana C. Maheria* and Sunil R. Mistry
9	1161	Environmental management through sustainable development - A case study on Indian foundry	Krishnaraj.R*, Sakthivel.M ¹ , Deepan Marudachalam M.G, J .Arulmani ¹ , Devadasan.S.R. ² , Kanthavel.K and Balasubramanian.R ³
10	1168	Bioremediation of Electroplating effluents	Pandhi, N.D ¹ . Raiyani, R.J ²
11	1169	Elevated natural radioactivity in top soils of coastal Kerala	Primal D'Cunha and Y.Narayana*
12	1174	Synthesis and biological screening of new hetero cyclic compound and studied their anti microbial activity	P. J. Naik, P. K. Desai and K. R. Desai

13	1177	Assessment River Water Quality Using of Biomonitoring	B. Farokhzadeh ¹ , O. Bazrafshan ² , M. Mahdavi and A.Javanshir ³
14	1179	Cadmium Removal Potential from Contaminated Soil by <i>Cosmos sulphureus</i> and <i>Tagetes erecta</i> L. : Effect of Zinc and pH	Nonglak Rungruang ¹ and Sandhya Babel ^{2*}
15	1180	A comparative study on Iron, Lead and Cadmium content in water samples of Dehradun district, Uttarakhand	Abhisek Bagchi*, Chandrakala Gunturu and Meera Narasimha
16	1185	Aniline as corrosion inhibitor for zinc in nitric acid	R. T. Vashi* and S. A. Desai
17	1187	Assessment of Soil Quality of Patan District, Gujarat, India	R.T.Vashi*, K.K.Patel, P.Y.Dave and K.S. Contractor
18	1192	Partial Replacement of Carbon Black by Natural Silica : An Ecofriendly Approach towards Rubber Compounding	Sanjay Kumar Bhattacharyya*, Giriraj Sharma, Saikat Dasgupta, Rabindra Mukhopadhyay and Abhijit Bandyopadhyay
19	1201	Synthesis, characterization and biological studies of thiazolidinone-pyrazonine compounds	Dinesh Panchasara and Subhash Pandey
20	1205	Influence of existing particle surfaces on formation of secondary inorganic aerosols in fine mode: an environmental chamber study	Sailesh N. Behera ^{1*} , Mukesh Sharma ^{1, 2} and Indramani Dhada ¹
21	1207	Model for predicting gas flaring in niger delta	Oloro J.
22	1210	Schiff base complexes of iron (iii) derived with onno donor tetradentate heterocyclic ligands: Synthesis and characterization	Kiran R. Surati
23	1211	Seasonal variation in water quality and its relation to fisheries for fresh water reservoir nyari – ii, Rajkot, Gujarat	A. P. Goswam ¹ and P. C. Mankodi ²
24	1214	Azitinone : synthesis, characterization and biological activity	Kalpesh Patel and Subhash Pandey
25	1215	Emission estimates and trend analysis of coal based power plant in delhi	P. P. Walvekar*, B. R. Gurjar
26	1221	Decolorization of the azo dye c.i. direct blue 53 by photo-fenton method and determining optimum condition of process	Kambiz Seyyedi ^{*,1} , Mehdi Amani
27	1223	Impacts of leachate percolation on ground water quality: A case study of dhanbad city	Gunjan Pande ¹ and Alok Sinha ²

28	1227	Studies of chelation ion-exchange properties of copolymer resin derived from p-cresol, dithiooxamide and formaldehyde	Sharayu S. Katkamwar ¹ , Mudrika Ahmed ² and Wasudeo B. Gurnule ^{3*}
29	1233	Kinetic-spectrophotometric determination of trace amounts of vanadium (v) based on its catalytic effect on the reaction of p-anisidine and potassium bromate	B.S.A.Andrews ^{*1} , A.V.D.Nagendra Kumar ¹ , P.V. Subba Rao U. Dilleshwara Rao ²
30	1236	Monitoring of the effect of landfill leachate on ground water quality, case study of shahrood city (Iran)	Mahvi A. H ¹ . Roodbari A. A. ^{2*}
31	1237	Application of ultrasounic photocatalysis process in landfill leachate treatment	Roodbari A. A. ¹ , Mahvi A. H. ^{1,2*} , NabizadehNodehi, R. ¹ , Nasserri, S. ¹ , Dehghani, M. H. ¹ , Alimohammadi M ¹
32	1243	A new strategy for simultaneous determination of hydroxylamine and phenol using <i>p</i> -aminophenol modified carbon nanotubes paste electrode	Ali A. Ensafi*, Esmacil Heydari
33	1245	Mitigating climate change in corn by calcium carbonate application	Juanito A. Atiwag
34	1249	Schiff base modified multi-walled carbon nanotubes as adsorbent for on-line solid phase extraction coupled with flame atomic absorption spectrometry: trace determination of cadmium	Nasser Dalali ^{a*} , Shima Nakisa ^b
35	1252	Heavy metal analysis in zooplankton from dandi creek - west coast of India.	Kadam S.S. ¹ and Tiwari L.R. ²
36	1254	The potential of haemanthus specie in the semi-arid zone of bagwai, kano-nigeria for the phytoremediation of contaminated sites with heavy metals	Salihu Kiyawa A. and Ayodele Jerome T.
37	1255	Sustainable energy: producer gas as an energy resource	Rahul Basu
38	1256	Ddairy industry whey treatment and recovery of whey proteins using an integrated treatment module	Amitava Chakraborty, Papita Das
39	1266	Retrospective study of radon exposure in garhwal himalaya	*G.S.Gusain, B.S. Rautela , Ganesh Prasad , *Kuldeep Singh R.C.Ramola
40	1267	Heavy metal pollution	Komal .D. Bhojwani Hemali .K. Tailor
41	1268	Use of waste plastic for road construction	Komal .D. Bhojwani Hemali .K. Tailor
42	1269	use of ozone in waste water treatment	Komal D. Bhojwani Hemali .K. Tailor

43	1270	Bioremediation of dyes using aerobic microbial consortia of <i>Pseudo- monas</i> – an environment friendly and cost cutting technology providing answers to the problems of cetp	Maulin P Shah ^{1*} , <u>Soniya Sebastian</u> ¹ , Hemangi Mathukiya ¹ , A M Darji ¹
44	1274	Simultaneous adsorption and reaction of chromium (VI) in a composite fixed bed	B. Bhaduri ^{1*} , S.Singh ¹ , and U.Sarkar ²
45	1279	Performance of ferrous sulphate in combination with calcium hydroxide for removal of colour and cod of synthetic textile wastewater	Akshaya Kumar Verma, Puspendu Bhunia and Rajesh Roshan Dash
46	1281	Studies on black carbon (BC) concentration for city varanasi	Jay Pandey*, R.S. Singh ^a , B.N. Rai ^b
47	1283	ZnO photocatalyst mediated photocatalytic degradation of coralene red f3bs disperse azo dye under natural light	Yogendra. K*, Gopalappa H, Mahadevan K. M ¹ , Suneel Naik, Madhusudhana N.
48	1287	Monitoring of drinking water quality in the small tea gardens belt of sonitpur district, assam, india, special reference to fluoride, arsenic and other heavy metals	Joydev Dutta Kalpana Dutta Borah Mridul Chetia
49	1288	Fabrication of polypyrrole (ppy) -super paramagnetic fe ₃ O ₄ particles for biomedical applications	D. Prabu ^{1*} R. Parthiban ²
50	1292	Effects of metal contamination in soils of asalouyeh-iran using muller geochemical index	Farzaneh Jafarigol ^{*1} , Maryam Karim ² , Soroush Younessi Sinaki ³
51	1294	Nickel phthalocyanine based nitrogen dioxide gas sensor	Datir Ashok Maruti
52	1298	Quaternised biopolymeric derivative as disinfectant for water treatment	Moushumi Ghosh and Gurpreet Kaur Khaira
53	1302	Seciation of enviornmentally significant organotin (iv) complexes	Renu S Nair*, Seema Kumari ** and Pratiba Bhatele
54	1309	Study of comparative adsorption of brilliant green, fast green fcf and phenol red dyes over a low cost adsorbent de-oiled soya	Dipika Jaspal ^{*a} and Swati Malhotra ^b
55	1310	Sources and distribution of polycyclic aromatic hydrocarbons in surface soils from the kumasi metropolis, ghana	Nesta Bortey-Sam ¹ Osei Akoto ¹ Yoshinori Ikenaka ² Shouta M.M. Nakayama ² Elvis Baidoo ¹ and Mayumi Ishizuka ²
56	1311	Studies of chelation ion-exchange properties of copolymer resin derived from p-cresol, dithiooxamide and formaldehyde	Sharayu S. Katkamwar ¹ , Mudrika Ahmed ² and Wasudeo B. Gurnule ³
57	1316	Comparative Studies of O ₂ Pretreatment on the Formation of Chlorinated Phenolics in Jute Cady and Bamboo pulps	Divya Prakash*, S. Kumar* and N. J. Rao**

58	1319	Levels, chemical fractionation and solubility of Ni, Cd, Cr, Zn, Cu and Pb in petroleum polluted soil of Lakowa oil field- Assam	Arundhuti Devi
59	1320	Artificial Recharge to Ground Water through Bank/ Bed Filtration	Rakesh Roshan Dash ^{1*} , Rajesh Roshan Dash ² , Pradeep Kumar ³ and Indu Mehrotra ³
60	1323	Application Of adsorption process for treatment of landfill leachate	Sanjay Motling , Amit Dutta and S.N.Mukherjee
61	1328	Optimization of hydrotrope for the Extraction of vanillin from vanilla Bean	Masilamani Dhinakaran ¹ , and Nagarajan Nagendra Gandhi ¹
62	1330	Environmental Assessment and Analysis of Ambient Air Quality at Tummalapalle Uranium mining site and surrounding villages, Andhra Pradesh, India	A. Murad Basha ¹ , N. Yasovardhan ¹ , P. Ramanjaneya Reddy ¹ , G. Jaya Ramudu ¹ , S.V. Satyanarayana ^{1,*} , G.V. Subba Reddy ² , P. Padma Savitri ³ and K. Vishwa Prasad ³
63	1332	Wastewater treatment using inverse fluidized bed reactor	Tanmaya Kumar Lima ^{1#} and Suman Choudhury ²
64	1334	Adsorptive removal of phenol on parthenium based activated carbon (PAC) in basal salt medium (BSM): Equilibrium and Kinetics	Ravi Kant Singh ¹ , Shashi Kumar ² and Surendra Kumar
65	1336	Mercury poisoning : A major pollution problem	I.N.Tripathi and V.K.Verma*
66	1713	Binding Characteristics of Metal Ions in Some Vegetables	Usha Narayanan, Sugandhi S., D.G.Mishra, Rupali Karpe and P.M.Ravi
67	1714	Synthesis of new <i>1,3,5-Triazine scaffolds</i> by suzuki cross coupling and their biological assay	Amit B. Patel ^a , Premlata Kumari ^a And Kishor H. Chikhalia ^b
68	1715	Estimation of Physico-Chemical Characteristics of Sewage Water of Residential Colony of Kakrapar Atomic Power Station before and after Treatment	M. K. Jha ^{1,*} , C. P. Joshi ¹ , S. S. Wagh ¹ , J. T. John ¹ , A.K. Patra ¹ , P. M. Ravi ² and P. K. Sarkar ²
69	1716	Progressive Atmospheric corrosion study of Metals like mild steel, zinc and aluminium in Tithal Marine Environment	H. K. Kadiya* And R. T.Vashi
70	1732	Effect Of Sodium Flouride And Magnesium Chloride and Its Interaction On Seedling Growth Of Medicago Sativa, Anand, Gujarat	N. H. Brahmhatt and Rinku V. Patel*
71	1783	Present status of water quality of panyala state pish pond at roorkee district haridwar, uttranchal, India	D.R. Khanna, Rajni Rana And Vikas Singh

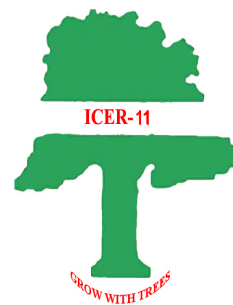
72	1788	A review of aeration as a technique for water quality improvement	Soniya H. Desai, Megha Patel And Nidhi Shah , Mehali J Mehta
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HI TEA : 11:30 am – 11:40 am

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Phone : +91-755--4222030

Mobile : +91 9825138685, +91 9426185768, +230 947 5319, +66-89206-9970

E-mail : icer10.jerad@gmail.com

Web Site : <http://www.icer10.jerad.org>

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: Sardar Vallabhbai National Institute of Technology, Surat (India)

Scientific Program

Oral Presentation

Venue -Hall No. **G 2**

Session - VIII

Section - Physical Sciences

Day	:	Three (Saturday)
Date	:	December 17, 2011
Section	:	PS (Physical Sciences)
Time	:	Afternoon (11:40 am to 1:00 pm)
Chairperson	:	Prof. Parimal Parikh (India)
Co-Chairperson	:	Dr. Dhanesh Singh, (India)
Co-ordinator	:	Dr. Mukul Kumar (Japan)
Reporteurs	:	1. Mr. Khalid Md. Bahauddin 2. Mr. Anikender Kumar
Technician	:	One
Attendant	:	One

Invited Talk

Time : 11:40 am to 12:00 pm

Name of Speaker : Dr. Parimal Paul

Research paper presentations

Time : 12:00 pm – 1:00 pm

Sr. No.	Ref. No.	Title of contributory paper	Author(s)
1	1341	Removal of Cr (VI) from Water by Using Activated Carbon prepared from Crotalaria burnia	Kailash Daga, Suresh Chandra, Vinod Vaishnav
2	1342	Removal of Methylene blue and Methyl Violet Using Mixed Metal Ferrocyanide	Sushama Viladkar* Ameen Hashmi, Rekha G., Swapnil Tichkule Tanveer Alam and Ruby Phul
3	1347	Synthesis, characterization and biological activity of Schiff base	Deepa Gor, ¹ Pinka Patel, ¹ Manan Shah ² and P. S. Patel ³
4	1351	Allelopathic effect of prosopis juliflora, Acacia nilotica and Ziziphus spina- christi on germination and seedling growth of Plantago major	Nadia kamali* ¹ , Hossein Azarnivand ¹ and Ahmad Sadeghipour ²
5	1355	Equilibrium studies on the removal of mercury using crosslinked carbomyl chitosan	Avinash Gupta ^{1,2} , S.R.Vidarthi ² and Nalini Sankararamakrishnan*
6	1362	Assessment of the suitability of selected chemical extraction methods for determination of the bioavailability of arsenic in some contaminated gangetic alluvial soils of West Bengal, India	Bishwajit Sinha ¹ and Kallol Bhattacharyya ²
7	1369	Removal of hexavalent chromium by pretreated algae	Rahul Sidharth Sankar Parhi
8	1371	Cyclone Induced upwelling and Chlorophyll-a enhancement in the Arabian Sea	K. Muni Krishna
9	1380	Arsenic : A Potential Hazardous Metalloid	A. Vaish* ^{a,b} , P. K. Srivastava ^a , G. Saxena ^b and A. Kaul ^a
10	1386	Effect of temperature Change on Physiological, Hematological and Biochemical Profile of Sahiwal Cattle	Chandra Bhan, S.V. Singh*, O.K. Hooda, R.C. Upadhyay and Mangesh Vaidya
11	1392	Selective removal of toxic and heavy metal ions like arsenic and copper from drinking water by using novel chelating resins immobilized On Silica Gel	Debasis Mohanty ^{1,*} and Shashadhar Samal ²
12	1394	Study of the toxicity and bioaccumulation of Cadmium on beans [Phaseolus Vulgaris] as affected by pH	H. Benabid ^{a,*} and M.F.Ghorab ¹

13	1403	Eco-friendly Biodegradation of Azo Dyes by bacteria from Industrial Effluent	Niranjan Patil and Shilpa G. Derle
14	1417	Application of GIS for Groundwater Contamination Risk Mapping in Golaghat District of Assam, India	Mridul Chetia ¹ , Jaydev Dutta ¹ Hari P. Sarma ³
15	1431	The Deteriorations of Concrete and the Option of High Performances Concrete	Mohamed Chemrouk
16	1439	Comprehensive Approach of Revitalizing the Urban Waterfront in Present Context	Bhavna Vimawala
17	1450	Improving soil health environment for enhancing grain yield of rainfed upland rice	D.K. Gupta and V.K. Singh
18	1456	Determination of Petroleum Hydrocarbon and Heavy Metal Content in Water and Sediments of South West Caspian Sea (Iran- Azarbayejan Boarder)	Fazeli M.S. and Talebi A.
19	1457	Inhibition effect of environmentally benign Karanj seed extract on corrosion of mild steel in acidic media	Sudhish Kumar Shukla*, Ashish Kumar Singh, Eno E. Ebenso
20	1458	Characterization and Adsorption Studies of <i>Citrus lemettioides</i> (Sweet Lime) for the Removal of Malachite Green Dye from Aqueous Solutions	Ashish Sartape ^{1*} , Aniruddha Mandhre ¹ , Vishwanath Ghanvat ¹ , Sunil Honmore ¹ , Nilesh Rokade ² and Sanjay Kolekar ^{1*}
21	1467	Determination of Optimized Height of Highway Noise Barrier using Artificial Neural Network	Kranti Kumar ¹ , M. Parida ² , V.K.Katiyar ¹
22	1477	Environmental Units and their Impact on Buying Patterns	Aditi Sheth and Aakrati Gupta
23	1482	Participatory Patterns of Community in Water and Waste Management: A Case Study of Municipality in Ampawa District, Samut Songkram Province	Srisuwan Kasemsawat
24	1493	The New Trends Of Ethical Fashion	Mitali Pandey
25	1500	Development Of Hierarchical Fuzzy Model For Prediction Of Air Quality Index	A. K. Gorai
26	1508	Migration of Heavy Metals through NAPL Contaminated Environment	Dr S.K Singh
27	1514	Use of various technologies, methods and adsorbents for the removal of dye	Monika kharub
28	1519	Soil pollution	M. Sujan
29	1520	A Study on Carbon Sequestration Potential of <i>Jatropha</i> Plantations in Tarai Region of Uttarakhand	Sudipta Ramola ^a , Uma Melkania ^a and Arvind Shukla ^b

30	1525	Impact of Coastal Industrial Development on the Coastal Surface Water Quality of Kachchh, Gujarat	Vidhisha Vijaykumar*, Eshita Nair and Alka Shakya and G.A. Thivakaran
31	1534	Removal of Mercaptance from Diesel using chromium pthalocinine catalyst	P. K. Chaudhari
32	1535	Treatment of Wastewater of Pharmaceutical Industry: COD reductions and settling studies	Abhinesh Prajapati ¹ , Ayush Agrawal ² and Parmesh Kumar Chaudhari ^{2*}
33	1543	Electrochemical treatment to reduce coloration and reduction of %COD in containing Azo-dyes solution	Jignasu P. Mehta ^a , Dinesh R Godhani ^a Bhavesh B. Mehta ^a and G. Ramachandraiah ^b
34	1733	Eco-friendly methods for the formation of Co-crystals of Poorly soluble drugs	Pathak C.D. and Savjani J.K.
35	1734	Global warming and climate change	Anish C Pandey and R.k. Mishra*
36	1745	Biomonitoring approach for heavy metal pollution-A case study from a Tropical Wetland System of India	U P Nasir ^A , P S Harikumar ^B , D Brahmaiah ^A and B R Naidu ^A
37	1746	Assessment of fluoride contamination in the ground water in mehasana area of Gujarat state	D. Brahmaiah * and B.R.Naidu *
38	1747	Jari Manufacturing and Associated Environmental Pollution Potential	Prasoongargava*; B.R. Naidu*, U.P Nasir*, P.K. and Mirashe**
39	1770	Temperature dependence of densities, speeds of sound, and derived thermodynamic properties of cyclohexylamine + benzene from (293.15 to 323.15) K	Naved I Malek* And Zubin R Master
40	1772	“Bioremediation of textile effluent containing sulfur dyes”	Kamat D. V. And Kamat S.D.

LUNCH : 1:00 pm – 2:00pm