

National Conference
on
Recent Advances in Environmental Sciences and Engineering Technologies
RAESET-2016
21st - 22nd November, 2016
PROGRAMME AT A GLANCE

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| DAY 1: Monday 21 st November, 2016 |
| Registration: 8:00 AM - 9:30 AM @ JCC |
| Inaugural Function: 9:30 AM – 10:55 AM @ JCC |
| High Tea: 10:55 AM – 11:20 AM @ JCC |
| JIET Conference Hall Common Session Rapporteur: Dr.Deepshikha Sharma Keynote: 11:30 AM – 1:30 PM Prof.(Dr.) Mukesh Khare Prof.(Dr.) Samir Pal |
| Lunch: 1:30 PM – 2:30 PM |
| Paper Presentation Afternoon Session: 2:30 PM – 5:00 PM Rapporteur: Abhishek Arya JIET Conference Hall :Keynote and Session Chair: Prof. (Dr.) S.K.Singh Rapporteur: Kamlesh Parihar MBA Seminar Hall : Keynote and Session Chair: Prof.(Dr.) B.L.Mathur |
| DAY 2: Tuesday 22 nd November, 2016 |
| JIET Conference Hall Common Session Rapporteur: Abhishek Arya Keynote: 9:00 AM – 11:00 AM Prof.(Dr.) R.K Sharma Prof.(Dr.) A.B. Gupta |
| Rapporteur: Dr.Sushma Dave High Tea and Poster Session: 11:00 AM – 12:00 AM |
| Paper Presentation : 12:00 AM – 2:00 PM Rapporteur: Mukesh Patidar JIET Conference Hall : Session Chair: Prof. (Dr.) R. K Sharma Rapporteur: Dr.Sushma Dave MBA Seminar Hall : Session Chair: Prof.(Dr.) A. B Gupta |
| Lunch: 2:00 PM – 3:00 PM |
| Paper Presentation : 3:00 PM – 3:55 PM Rapporteur: Kamlesh Parihar JIET Conference Hall : Session Chair: Prof.(Dr.) A. B Gupta Rapporteur: Dr.Anjali Mathur MBA Seminar Hall : Session Chair: Prof. (Dr.) R. K Sharma |
| Valedictory Function JIET Conference Hall : 4:00 PM -4.55 PM Certificate Distribution& Photo Session |
| High Tea : 5:00 PM |

Day 1

Schedule for Technical Session 1

Monday 21/11/2016

Venue: JIET Conference Hall

Time: 2:30 PM-5:00 PM

2:30 P.M- 3:00 PM-Keynote

| S. No. | Author Name | Title of paper | Paper Id | Time |
|--------|--|---|----------|------------|
| 1. | Dr.Archana Bohra | Environmental Concerns For a Smart City- The European Perspective | O-1 | 3:00-3:10 |
| 2. | Jai Kumar Mehta | To Study the Impact of HHO Hybrit kit on the Mileage and Emissions of an IC Engine | O-2 | 3:10-3:20 |
| 3 | Sumit Kumari, K.K Verma, Sapana Garg | Studies on Some d ¹⁰ Metal Iron Ditellura Tetraazamacrocyclic Complexes | O-3 | 3:20- 3:30 |
| 4. | Praveen R. , Jaishree B | Multicomponent One Pot Synthesis of Novel Indole Analogues as Potent Antioxidant, DNA Cleavage and Antimicrobial Agents . | O-4 | 3:30- 3:40 |
| 5. | Shrey A Shah, Rahul Gundesha, J. P Ruparelia | A Comparative Study of Detection of Melamine in Milk by Interference Sensing of Biofunctionalized Silver Nanoparticles | O-5 | 3:40-3:50 |
| 6. | Neeti Rastogi, Aditi Kaviya, Dr.J.P Ruparelia | Synthesis of Silica Nanoparticle from Rice Husk ash: A Green Method | O-6 | 3:50-4:00 |
| 7. | Joshi Yash, Chitrapu Yuga, Ruparelia. J. P | Application of Nanoparticles as Addsorbents and Catalysts | O-7 | 4:00-4:10 |
| 8. | Jaishree Badiger, Praveen R | Antibacterial Activity Study of Isatin Nanoparticles against Methicillin Resistant S. Aureus (MRSA) | O-8 | 4:10-4:20 |
| 9. | Meet P. Shah, Rushabh Patel, Asst. prof. Leena V Bohra, Prof. Rajubhai K. Mewada. | Solar Photo Reactors: A Comprehensive Review | O-9 | 4:20-4:30 |
| 10. | Sushma Dave and Sunita Kumbhat | Electrochemical Sensors in Environmental Monitoring: Developments, Current trends and Study Representing Application in Pesticide Analysis | O-10 | 4:30-4:40 |
| | Prof.(Dr.) S.K Singh | Conclusion of the Session | | |

Day 1**Schedule for Technical Session 2**

Date: Monday 21/11/2016

Venue: MBA Seminar Hall

Timings: 2:30 PM-5:00 PM

2:30 P.M- 3:00 PM-Keynote

| S. No. | Author Name | Title of paper | Paper Id | Timings |
|--------|--|--|----------|------------|
| 1. | Multan Ram Prajapat | Study for Reducing the Pollution by Using "Bacterial Concrete" | O-1 | 3:00-3:10 |
| 2. | Abhishek Arya Mukesh Patidar, Lovelesh Dave | Disinfectants for Water Supply | O-2 | 3:10- 3:20 |
| 3. | PalakSharma ,Padamshree Gaur, Pooja Dhull | Air Pollution and Monitoring | O-3 | 3:20-3:30 |
| 4. | Ankit Kumar Ladha | Stabilization of Fine Sand Through Cement Bags Waste as Admixture for Construction of Embankments for Roads | O-4 | 3:30-3:40 |
| 5. | Neetu Dabi, Sushma Dave | Recent advances in development of adsorption practices using cellulosic waste for removal of colorants in effluent : A major concern | O-5 | 3:40-3:50 |
| 6. | Vohra Mohammad Kalimuddin M | Indoor Air Quality: An Essential Aspect for Human Health Vohra Mohammad Kalimuddin M | O-6 | 3:50-4:00 |
| 7. | Sumeet Mathur, Dr. Anil Vyas, Dr. S.K Singh | Co-relation Between Air Pollution and Cancer: A Review | O-7 | 4:00-4:10 |
| 8. | Mayank Vyas, Dr. Anil Vyas, Dr. S.K Singh | Management and health effects of hazardous waste in India | O-8 | 4:10-4:20 |
| 9. | Narsi Ram Dewasi, Kiran Bhoot | Physiochemical and Heavy Metal Analysis of Amanishah Nala Jaipur | O-9 | 4:20-4:30 |
| 10. | Sandeep Mathur, Dr. Anil Vyas, Dr. S.K Singh | Effects of Air Pollution on Children's health | O-10 | 4:30-4:40 |
| 11. | Shreyansh Tatiya, Dr. Anil Vyas, Dr. S.K Singh | Application of Nanotechnology in Industrial Water Treatment : A review | O-11 | 4:40-4:50 |
| | Prof. (Dr.)B.L.Mathur | Conclusion of the Session | | |

Day 2**Schedule for Technical Session 3**

Date: Tuesday 22/11/2016

Venue: JIET Conference Hall

Time : 12:00 PM-2:00 PM

| S. No. | Author Name | Title of paper | Paper Id | Timings |
|--------|--|---|----------|-------------|
| 1. | Manasvini Agarwal | Treatability studies on in-situ chemical oxidation for the treatment and removal of color from groundwater | O-1 | 12:00-12:10 |
| 2. | Hemant Purohit | Optimizing Radiations of Mobile Communication Through DITMC Technique | O-2 | 12:10-12:20 |
| 3. | Mistry Falguni Prakashbhai | Fat Degradation from dairy industry effluent by using ultrasonic system | O-3 | 12:20-12:30 |
| 4. | Chandorkar Archit Pramod | Effluent Evaporation (Spray Drying): Technology for Zero Liquid Discharge - A Review | O-4 | 12:30-12:40 |
| 5. | Sharma Deepshikha, Sharma Vasundhara .K Verma, Sapana Garg | Quest for Quality: Analysis and Removal of Hardness present in Water Resources of Jodhpur city | O-5 | 12:40-12:50 |
| 6. | Ankruti Patel | Phytoremediation of Dye Effluent Using Aquatic Macrophyte | O-6 | 12:50-1:00 |
| 7. | Bhasha C Mehta, Huma S. Syed | Optimization of the Treatment of Dye Intermediates Waste Water by Hydrodynamic Cavitation and Its Combinations | O-7 | 1:00-1:10 |
| 8. | Dr. Vikal Gupta, Dr. Kamini Sharma, Nisha | Economical adsorbent for selective removal of MN (VII) from industrial effluent of Western Rajasthan | O-8 | 1:10-1:20 |
| 9. | Minarva J Pandya, Vanashri V. Limaye | A Comparative Approach Towards Cyanide Waste Treatment Technology- Past and Present Minarva J. Pandya, | O-9 | 1:20-1:30 |
| 10. | Minarva J. Pandya, Vishani J Vora | Review on effect of Hydraulic Retention Time (HRT) and Sludge Retention Time (SRT) for Sewage Treatment using Membrane Bioreactor (MBR) | O-10 | 1:30-1:40 |
| | Prof. (Dr.) A.B.Gupta | Conclusion of the Session | | |

Day 2**Schedule for Technical Session 4**

Date: Tuesday 22/11/2016

Venue: MBA Seminar Hall

Time: 12:00 PM-2:00 PM

| S. No. | Author Name | Title of paper | Paper Id | Timings |
|--------|--|---|----------|-------------|
| 1. | Rajesh Kumar, P. Malodia, M.Kachwaha and Sunita Verma | Adsorptive and Kinetic Studies of Resin for Removal of Cesium (I) and Strontium (II) from Aqueous Solution | O-1 | 12:00-12:10 |
| 2. | Biman Bandyopadhyay | Reaction of Acrylic Acid with Hydroxyl Radical at the Acidic Hydrogen: A Quantum Chemical Investigation | O-2 | 12:10-12:20 |
| 3. | Darell S. Merchant, Huma S. Syed | Wet Cyclone Separator as a Dust Collection Technology: A Literature Review | O-3 | 12:20-12:30 |
| 4. | Anjani Kumar Sharma, Jaimeen Chovatia, J.P Ruparelia | Slow Release of Hydrogen from Sodium Borohydride Using Different Solvents | O-4 | 12:30-12:40 |
| 5. | Seema Acharya, Praveena Ojha | Special Behaviour of 2,4- Dihydroxy Benzoic acid in Micellar media | O-5 | 12:40-12:50 |
| 6. | Neelam Jatolia, Dr. S Gaur, Vishnu Dutt Mishra | Coordination Mode of Compounds Modelling the Interaction Between the Functional Moiety and the Donor Atom | O-6 | 12:50-1:00 |
| 7. | Dhruvi Lakmikant Morekar | Resource Optimization and Up-gradation of Treatment Plant as an Approach Towards Eco-Industrial Park | O-7 | 1:00-1:10 |
| 8. | Dharmin Jayant Gada, Prof. Huma Shed, Prof. N.S Varandani | Determination of Bowen Ratio and Its effect on Aermod Model Predictions | O-8 | 1:10-1:20 |
| 9. | Nirav Kumar. K. Dabhi, Prof. Minarva J. Pandya, Shri M.H Bhadrecha | Biomonitoring of water bodies using Benthic macro Biomonitoring of water bodies using Benthic macro invertebrates as bio indicator of water quality | O-9 | 1:20-1:30 |
| 10. | Pragya Bohra, Dr. Anil Vyas, Dr. S.K Singh | Deionization techniques for removal of total dissolved solids: A review | O-10 | 1:30-1:40 |
| | Prof.(Dr.) R.K.Sharma | Conclusion of the Session | | |

Day 2**Schedule for Technical Session 5**

Date: Tuesday 22/11/2016

Venue: MBA Seminar Hall

Time: 3:00 PM-3:55 PM

| S. No. | Author Name | Title of paper | Paper Id | Timings |
|---------------|--|--|-----------------|----------------|
| 1. | Hiral Jariwala, Huma S. Syed | Study on Use of Fruit Peels Powder as a Fertilizer | O-1 | 3:00- 3:10 |
| 2. | Dr. Archana Bohra Gupta | Use of Silica Fume for Sustainable and Environmentally RC Construcion | O-2 | 3:10- 3:20 |
| 3. | Priyanka Mehta | Need of Solar Passive Architecture in India | O-3 | 3:20- 3:30 |
| 4. | Harish kumar Khyani, Vinit Gehlot, Balram Joshi | Efficiency Enhancement of Photovoltaic Modules : A Review of Cooling Technique | O-4 | 3:30- 3:40 |
| 5. | Chanchal K Malav, Neelam Sonal,Rajendra Sen, Arun Arora | Emblica Officials-PUFA Enriched Seed Oil from Arid Zone of Western Rajasthan | O-5 | 3:40- 3:50 |
| | Prof.(Dr.) A.B Gupta | Conclusion of the Session | | |

Day 2**Schedule for Technical Session 6**Date: Tuesday 22/11/2016 Venue: **JIET Conference Hall** Time: 3:00 PM-3:55 PM

| S. No. | Author Name | Title of paper | Paper Id | Timings |
|---------------|---|--|-----------------|----------------|
| 1. | Omprakash, Shreshtha Singhal, Mohammad Shahid, Heera Ram, Arun Arora | Withania Somnifera seed oil : A potential source of unsaturated fatty acid from arid region of western Rajasthan | O-1 | 3:00- 3:10 |
| 2. | Akleshwar Mathur | Ecological Lubricants: A Study on physiochemical properties of seed oils and their blends from arid zone of Rajasthan | O-2 | 3:10-3:20 |
| 3. | Sachin Siwach, Vikash Upadhyay, Sushamana Sharma | Thermo economic Input-Output Analysis Applied to Vapour Absorption Refrigeration System(VARS) | O-3 | 3:20-3:30 |
| 4. | Rajesh Kumar, Pinky Nagar,Asha Nagar, Abhina Kumari, Aradhana Rathore, hubham Malav, Roopa Kumari, Neelu Chauhan | Synthesis of CO ₃ O ₄ Nanoparticles, Charecterization and Optical Properties | O-4 | 3:30-3:40 |
| 5. | B.M. Vyas, Chhagan Panwar, S. Suresh Babu and K. Krishna Moorthy | Intera- annual and Intra-Sesaonal Atmospheric Black Carbon Aerosols Mass Concentration located at an Vicinity of Central Indian Thar Desert Location i.e., Jaisalmer | O-5 | 3:40-3:50 |
| | Prof.(Dr.) R.K.Sharma | Conclusion of the Session | | |