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## FROM THE DESK OF CHIEF EDITOR

**Dr. Nishith Rai, Director**

The rapid industrialization and development has brought revolutionary changes in the world today. In the race to develop the economy rapid and unchecked urbanization was given very little attention. However, urbanization brought with itself the problem of solid waste management. It is one of the most essential services that are provided by any municipal administration units. It is also one of the most neglected services often riddled with unscientific and non-productive practices that make more mess than they manage. It is needless to ask here why is it important to manage the wastes. Besides providing a clean environment and hygienic living conditions which are the basic needs of a human being, proper management of waste also ensures that earth is properly conserved for future generations.

It is to be noted here that the continuously rising population pressure on urban areas means that by the time the administration catches up to the needs of city or town it is either too little too late or it has negligent impact. The situation is critical as statistics from India itself shows that the urban population has witnessed a fivefold rise in the past six decades and stands at 285.35 million people living in urban areas as per the 2001 census data(Asnani, 2006). This also finds reflection in the per capita waste generation in the Indian cities to the tune of about 1.15 lakh metric tonnes of waste per day and 42 million metric tonnes annually(Asnani, 2006). If one is to consider the long term effects of the problem of waste management then one would realize that it has multidimensional implications from not only causing unhealthy living conditions to poisoning the air and ground water level which can severely damage the ecosystem that sustains life on earth. The issue is made grave not due to the paucity of budget allocation for solid waste management but by its improper utilization.

The problem also is reflective of the way the issue is perceived and handled in India with no serious efforts to evolve latest technologies and methods of waste management, treatment and disposal. The waste management is still heavily dependent upon the sanitation workers who work under sordid conditions combined with poor awareness about the handling of hazardous substance waste materials leading to a very sorry state of affairs indeed. The apathy of municipal organizations who are supposed to manage the situation further aggravates the problem. The total lack of will to plan ahead and in an efficient manner on the part of the stakeholders does not help either.

However the situation is still not yet out of control and the various methods of controlling and managing the wastes can be adopted provided concerted efforts are employed to adopt them. Some of the steps like ensuring the segregation of waste at the source, proper system of processing and disposal of wastes, composting,


vermicomposting, anaerobic digestion/biomethanation, incineration, gasification can be effectively adopted to curb this menace.

To conclude the state of affairs of solid waste management is not very rosy to say the least and leaves a lot to be done in order to not only manage but also to undo the damage caused to the fragile balance of our ecosystem. However, with combined efforts and dedicated, informed planning newer and better technologies can be adopted after evaluating their pros and cons. There is only one Earth and we have to act now to stop converting it into a wasteland.

The contribution to this end is also done by the experts, researches, academicians, etc. in the field of Urban Development with whose support we at RCUES Lucknow bring out the Biannual Journal Urban Panorama. The journal presents the refereed results of original scientific research, and new developments in policy and practice in the fields of housing, spatial planning, building and urban development.

The aim is to give exposure to recent developments, providing a forum for the exchange and discussion of new ideas. The journal benefits a diverse readership of scientists, specialists, practitioners and policy-makers in government and in organizations dealing with housing and urban issues.

Lucknow  
June, 2015



**Dr. Nishith Rai**  
Director

## FROM THE DESK OF EDITOR

With every new issue of Urban Panorama we focus on newer areas of urban and environmental issues and their interconnections. In this issue we have a bouquet of articles by experts and researchers in the field of urban governance and management.

Dr. Arun K. Singh, in his paper titled- Solid Waste Management in Indian Cities: A Case of Varanasi and Adjoining Cities discusses how increasing urbanisation, changing life style and anthropogenic transformation there has been an increase in municipal solid waste (MSW) generation and a positive correlation between GDP and per capita waste generation has been established. The paper focuses on the fact that we humans have not been able to manage our waste into wealth unlike other developed countries because of inefficient, ineffective, age old system. The paper intends to highlight the solid waste management system and existing grass root level realities on the basis of initiatives taken by the respective municipal authorities in three class I cities (Varanasi, Mirzapur and Jaunpur) of Eastern Uttar Pradesh taking 600 respondents in a ratio of 6:2:2.

Dr. K. Baby, in her paper titled- An Assessment of Solid Waste Management of Palakkad Municipality in Kerala, discusses about the Environmental pollution and how it had a damaging impact on the economic and environmental aspects and life of the people. She highlights in her paper how most of the municipalities even today follow the conventional pattern of solid waste collection and disposal. This environmentally neutral development policy ultimately leads to environment degradation.

Dr. Shailesh Kumar Jha in his paper titled- The Strategy: Integrated Waste Management (Learning from West, discusses in detail about the contribution towards creation of 'Smart Cities' and how solid waste management is one of the vital aspects. Dr. Jha emphasise on the fact that the effectiveness of solid waste management system depends upon the active participation of all the stakeholders and citizens.

Dr. Sukanchan Palit in his paper titled- Membrane Science, Drinking Water Treatment and Industrial Wastewater Treatment - A Far Reaching Review talks about the world of engineering science moving briskly and steadily from one newer vision over another. The paper focuses on Membrane separation processes and how today it stands as a focal point in the scientific pursuit towards upholding ecological balance and countering environmental catastrophes. Environmental regulations and restrictions have urged human mankind to look deeply into the primordial issue of industrial wastewater treatment and desalination of water. Environmental engineering science is a vast and versatile area which inevitably depends on membrane separation process.

Dr. Satyajeet Rai, Anshuman Srivastava, Pragya Sharma and Dr. Vinod Pravin Sharma in their joint paper titled- Electronic Waste: Environmental and Health perspective, underlines the extensive usage of electronic product resulting in remarkable generation of E-waste. The paper brings to the fore, one of the biggest environmental challenges of our time: Management of E-waste. And explains how the issue of proper management of E-wastes is critical to the protection of livelihood, health and environment. In this paper the authors have attempted to overview regarding social and environmental life and what the future will look like amidst new global developments in next century.

Mr. Lal Krishna Mishra in his paper titled- Assessment & Integrated Planning of Municipal Solid Waste Management in Lucknow City discusses how increasing population, rapid economic growth and rise in community living standard accelerate the generation rate of municipal solid waste (MSW) in Indian cities. The paper talks in particular about Lucknow city and its municipal solid waste management ways.

Er. Aditi Gupta in her paper titled- Case Study of Existing Services in Solid Waste Management of Motihari City in Bihar represents an overview of current solid waste management (SWM) practices in Motihari along with the present structure of Municipal Council of Motihari and mainly focuses on problems prevailing in Motihari. This paper also puts forth a model which is developed to integrate different options involved in MSW management.

Er. A K Gupta, Dr. Alka Singh and Ms. Rachna Rishi in their Joint Paper titled- Management of Slaughter House Waste through Biodigester Technology: A case Study of Fatehpur, Barabanki explores the possibilities of managing slaughter house waste by small scale digester plants which can be of advantage to smaller ULBs.

Er. A K Gupta in his Paper titled –नगरीय ठोस अपशिष्ट प्रबंधन परिदृश्य–उत्तर प्रदेश talks about the Solid Waste Management situation in Uttar Pradesh.

It is expected that the readers at large will be benefitted by the content and new presentation of the journal. Urban Panorama has achieved the present status due to all round support from our authors, referees, members of Editorial & Advisory Board of the journal and also time to time guidance and suggestions from the officials of the Ministry of Urban Development, Govt. of India, New Delhi, and of course the readers.

I am sure joint efforts of all of us will make our task easier to achieve the heights of new successes in the field of Urban Development education and research through such publications.

Lucknow  
June, 2015



**Rachna Rishi**  
Publication Officer

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I, Nishith Rai, declare that the particulars given above are true to the best of my knowledge and belief.

**Nishith Rai**

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1. The length of the article should not normally exceed 8000 words.
2. Manuscripts should be submitted in duplicate. Articles should be typed in A-4 size paper, on one side only, with sufficient margin on all 4 sides. An abstract should accompany the articles. The text, abstract, notes, references etc. should be typed in double space. Also send a soft copy (directorrcueslko@gmail.com) or CD on MS word. All materials submitted to Urban Panorama should be sent to the Chief Editor, Regional Centre for Urban and Environmental Studies, Lucknow University, Lucknow. The authors must provide an undertaking along with the article, stating that "the article/study is my own work and has neither been published nor sent/submitted for publication elsewhere".
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