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## FROM THE DESK OF CHIEF EDITOR

**Dr. Nishith Rai, Director**

At the outset I extend my candid wishes to you and your family members for an eventful and prosperous New Year. As we prepare to move into the New Year, we also pledge to make the world around us a better living space. The rapid and unplanned transformation around us due to heavy migration from rural areas for better job opportunities is changing the face of our cities. On the one hand rapidurbanization is leading us to the smart cities we aim to become at the same time it is resulting in severe environmental degradation, acute water shortage and loss of precious biodiversity.

It is time to alter this process of development and ensure that the emerging cities create livable places for a sustainable future and participation of one and all in the demand for a better future is must.

Mission Swachh Bharat launched by the Ministry of Urban Development, Govt. of India is an attempt in this direction. We have entered in the era of globalization where environmental pollution is a major concern. We have tried to gather research articles on various environmental issues and innovations in this issue of the Journal.

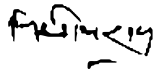
Being a multidisciplinary forum for urban & environmental research, we welcome for publication, original research articles, with sufficient importance, novelty, and breadth of interest. In addition to that, articles presenting hypotheses and commentaries addressing current issues, which are of immediate interest to other investigators, are also welcome. Updates pertaining to areas of current importance and interests are also published in the form of best practices.

The Urban Panorama wishes to develop a tradition of publishing special issues with a specific focal theme of high priority and relevance falling within the scope of the journal, which will further increase the journal's strength, visibility, and circulation. To further our aim, we have chosen Environment as a broader theme for this issue of the Journal.

I express my sincere thanks to all the members of the Editorial and Advisory Board, the reviewers, authors, and all the dedicated personnel, in advance, for their contribution, cooperation, and services.

We hope that this issue proves to be enlightening for all its readers, be it members of academia, students or members of the corporate world. We look forward to the illuminating critique and feedback that will help us enhance this journal and allow us to make it increasingly valuable for our readers.

Lucknow  
December, 2014

  
**Dr. Nishith Rai**  
Director

## FROM THE DESK OF EDITOR

The Journal Urban Panorama aims to provide an effective means for the exchange of research findings, ideas and information in the fields of urban development and environment among researchers, activists and non-governmental organizations (NGOs) international agency staff, students and teachers.

In this issue of Urban Panorama, Prof. Mita Ashish Shah in her paper titled Green Buildings: Sustainable Buildings from Social & Economical Perspective talks about sustainable buildings, or green buildings which is an outcome of a design philosophy which focuses on growing the efficiency of resource using -energy, water, and materials - while reducing building impacts on human health and the environment during the building's lifecycle, through better siting, design, construction, operation, maintenance, and removal.

Mr. Shailesh Kumar Jha in his paper titled Arsenic Removal from Ground Water: A low cost filter media, discuss Arsenic as a major environmental pollutant and exposure to it occurs through environmental, occupational and medicinal sources. His paper highlights the 2011 study findings that over 1 in 1000 people in more than 70 countries are probably affected by Arsenic poisoning. The paper is an attempt to put forth a remedy for Arsenic removal from ground water.

Dr. Sukanchan Palit in his paper titled Bubble column reactor and environmental engineering science: A visionary and deep comprehension, discusses about Bubble column reactors, which have become an effective tool in giving the environmental engineer and environmental scientist the standards and the basis of better wastewater degradation. Through his paper he attempts to throw light on wastewater treatment, advanced oxidation processes and application of bubble column reactor.

Dr. K. Baby in his paper titled Environmental Protection and Waste Management: A case study of ChitturTathamangalam Municipality, Kerala discusses about environmental pollution and how it impacts the economic and environmental aspects and life of the people. The paper attempts to draw attention to the improper handling and disposal of wastes which render negative externality in the form of health damages and aesthetic impairment from unsightly litter and trash accumulation. The paper also highlights the practice of solid waste management and describes through a case study of ChitturTathamangalam Municipality, Kerala.

Er. T.D. Daryana in his paper titled City Sanitation Plan for Swachh Bharat-Nirmal Gangatalks about the most current issue of cleanliness and Ganga Rejuvenation. The paper guides us through the cities and town areas along the Ganga River and its tributaries which should perhaps be taken up on priority basis, for larger interests of the people to stay healthy in Swachh Bharat. His paper discusses about Ground Water Quality, Surveillance, Monitoring and Control, which has always been the most important aspect of a City Sanitation System. He also emphasizes the role of community participation for effective implementation of these plans.

Mr. Lal Krishna Mishra Urban in his paper entitled Environmental Planning: The Need of Present Scenario discusses about the zones in transition of a developing

metropolis. This paper develops an overview showing the possibility of developing a flexible planning system that is expected to provide solutions to tackle the concurrent pressure of infrastructure development by establishing social equity and economic growth of urban environments.

Mr. Vidya Sagar Yadav and Mr. Jawed Ahmadi in their joint paper titled Water Supply Initiative: Case Study of Nagar Palika Mau, talks about the recommendations of 13th Finance Commission in regard to automation of water supply systems in order to save energy in form of electricity and reduce cost of the service delivery to the citizens. The paper discusses in detail about the system in Mau that has enabled 24X7 efficient water supply and considerably been able to reduce operational and maintenance cost per pump.

Mr. P. Sharma and Dr. V.P. Sharma in their joint paper titled Plastics and Environment: Applications and Changing Trends for Environmental Sustainability discusses about the balance between the use of Plastics and protection of environment. The application and acceptance of plastics into the social fabric is significant and it is difficult to conceive a world without plastics. This paper attempts to take the readers through the changing trends of plastic in the industry and how a better monitoring and evaluation system of approving the plastic for use can help achieve both the ends of consumerism and environmental protection.

Er. A. K. Gupta & Dr. Nasruddin in their joint paper titled Status of Water Supply in Million Plus Cities of Uttar Pradesh discusses about the problems faced by the urban water supply authorities due to water deficit. The paper delves in to the aspects of scarcity of drinking water in cities leading to the cost of water production is gradually increasing while the cost of recovery is a daunting task. The paper reviews the status of water supply in million plus cities of Uttar Pradesh and suggests remedial measures for improvement of water supply system of million plus cities of U.P

Dr. Alka Singh & Mr. Himanshu Chandra in their joint paper titled Initiatives in Wastewater Treatment: Learnings from Japan attempt to put forth their findings and learning on the initiatives taken in the field of wastewater treatment from their visit to Japan.

Mr. Ajit Kumar Mishra in his paper titled A Situational Analysis of Water Supply Scheme in Gwalior under UDAY Project discusses about the water supply scheme in Gwalior and how the system adopted was apt to solve the drinking water crisis.

This issue of Urban Panorama carries two best practices by Jabalpur Nagar Nigams of Madhya Pradesh and Saharanpur Nagar Nigam of 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  
December, 2014

  
**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.
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