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FROM THE DESK OF CHIEF EDITOR

Dr. Nishith Rai, Director

The advancement of humanity is, all things considered, inseparable from the idea of earth as the home for its people providing living space, a benevolent environment that ensures the survival of present and all that there is to come in future.

With this realization and rightly so United Nations has set June 5 as World Environment Day, since 1974 to advance "overall mindfulness and activity for the security of our condition." This year's topic is "Beat Plastic Pollution." In a message, U.N. Secretary-General António Guterres encouraged all individuals to dismiss single-utilize plastic things, and cautioned that increasing levels of plastic waste was getting to be unmanageable, saying "each year, in excess of eight million tons wind up in the seas."

"Beat Plastic Pollution", the topic for World Environment Day 2018, is an invitation to take action for every one of us to meet up to battle one of the colossal natural difficulties of our times. Picked by the current year's host, India, the subject of World Environment Day 2018 welcomes all of us to consider how we can roll out improvements in our regular daily existences to decrease the substantial weight of plastic contamination on our common places, our natural life – and our own particular well-being.

The current year's World Environment Day gives a chance to every one of us to grasp the numerous ways that we can battle plastic contamination around the globe. What's more, this gives us an opportunity to make our world plastic-free one plastic bag at a time.

India pulled out all the stops in their pledge to Beat Plastic Pollution with a declaration to wipe out all single-utilize plastic in the nation by 2022. This phenomenal yearning move against expendable plastic will radically stem the stream of plastics from 1.3 billion individuals and business in the quickest developing economy on the planet.

In India, as per assessments of Central Pollution Control Board (CPCB), 2017 report, around 25,000-ton plastic waste is produced every year. Notwithstanding the set up Plastic Waste Management rules we are confronting the issue of plastic contamination. Information demonstrates that around 10,000 tons of junk are being discharged each day, a considerable measure of which goes to the ocean. These are the explanations behind



Ganga-Brahmaputra-Meghna stream framework being in UN rundown of 10 waterways conveying a vast volume of plastic or waste.

Administration of India has demonstrated some drive to control plastic waste. Plastic Waste Administration rules (PWM) 2011 presented under Environment Assurance Act 1986 built up a structure that appointed the obligation to the urban local bodies and set up the state-level monitoring committee. These rules also address the use of carry bags. PWM rules 2016 bans the plastic pack of under 50 microns thickness and introduces Extended Producer's obligation (EPR) which would help the municipalities in handling the plastic waste issue. Solid Waste Management Rules 2016 commands ULB's to set up offices for processing sorted dry waste. PWM rules amendment 2018 omitted explicit pricing of plastic bags. Restricting the plastic waste might be the final resort after all endeavours to reuse come up short. The need of the hour is to build up a plan of action that doles out a fiscal incentive to waste while at the same time financing the gathering procedure. ULBs must create waste/plastic gathering designs combined with outreach exercises to activate the citizens on waste segregation, building an appropriate framework for segregation and collection. There is a requirement for aggregate endeavours from association/state governments and regions in creating and utilizing the framework combined with improving the viability of gathering utilized plastic and reusing it in order to accomplish better monetary and natural results.

The commitment to this end is likewise done by the specialists, scientists, academicians, and so on in the field of Urban Development with whose help we at RCUES Lucknow draw 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, 2018



(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.

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.

In this issue of Urban Panorama, Ar. Amrita Rastogi in her paper titled- '*Cluster approach for local economy development*' aims to study the meaning of cluster, their occurrence, and various approaches which are used for local economy development. For achieving the goal, the first objective is to understand the cluster approaches and typology, second objective is explore case example of small scale industrial cluster in Uttar Pradesh, which help in economy development in region like rural or urban (RURBAN) both.

Ashwani K Srivastava, Preeti Duby, Ayush Shukla, Vijay Sinha & Rohit Khanna, B. C. Goswami in their joint paper titled- '*Preparation of master plan for the development of a new township at Allahabad-Naini area, Allahabad Uttar Pradesh*', detail out the process of combination of conventional technique & remote sensing and Geographical Information System for preparation of Master Plan for development of high standard architectural and landscape design work and layout plan at Allahabad near Naini at the Yamuna river bank.



Prof. (Dr.) Indrasen Singh in his paper titled- '*Analysis of driver behavior in Adverse weather conditions – A Case Study*' aims to analyze the behavior of driver in adverse weather, to find out the factors that affects the driver behavior, to analyze the accident rate in adverse weather and suggest remedial measure to reduce them and to develop strategies to reduce the rate of accident. The study considers the area between the Jalandhar – Phagwara in the state of Punjab (India) on NH – 1.

Dr. K. Baby in her paper titled- '*Domestic Resource Mobilization and Financial Empowerment of Urban Local Bodies with Special Reference to Kerala*' discusses about the ever expanding nature of cities and how the development of cities primarily constitutes the development of land and housing as well as the provision of community infrastructure services (both physical and socioeconomic) for the growing population. The paper focuses on the fact that cities have to exploit the potential non-conventional means of resource mobilization, apart from reforming and strengthening the conventional means of resource mobilization for the creation of urban development infrastructure (land, shelter and civic services) which requires dispensing a large amount of resources by the urban local governments.

Ar. Priyanka Kumar in her paper titled- '*Development Oriented Transit for Indian Cities (From TOD to DOT)*' discusses about Land-use development and Transportation being inter linked with each other and how they make different types of urban forms. The paper revolves around the school of thought that either development should be oriented to transit or transit should orient to development. Therefore, this paper aims at reviewing whether development should come first or Transit.

Ar. Raunak Prasad, Ar. Richa Jagatramka in their joint paper titled- '*Integrating the informal sector in solid waste management*' draws our attention to the growing need for infrastructure to support the increasing population



and Solid waste management becoming a major challenge mainly due to the increase in generation of waste, and burden posed on the municipal budget as a result of the high costs associated to its management. The paper tries to highlight the role the informal sector plays in managing the municipal solid waste. The paper aims to study how the inclusion of the informal sector will improve resource recovery and energy efficiency by segregating waste at initial level.

Santosh Kumar Suman, Swati Maurya in their joint paper titled- '*Solar Energy Potential and Future Energy of India: An Overview*' provides an overview on solar energy in India. It reviews the current status of solar energy in terms of existing capacity, along with historical trends of solar energy and future potential of different forms of solar energy in India.

Dr Sutapa Pati in her paper titled- '*Roads near Schools and their Design Safety Analysis of an Indian City*' delves into an important subject which needs special considerations in line with user behavior propensities, road use profile, street type and design, and street design features. The paper focuses on School based streets which have very specific time surge profiles followed by limited or normal usage at other times of the day and that there is need for guided design that draws from theory, user feedback, road typology, and accident profile of the area.

Shashank Dinkar in his paper titled- '*Right to Environment and Development Responsibility- A Precarious Balance*' talks about how there can be no viable human development if the ecological cost of economic development is such that essential ecological services are not preserved. The paper focuses on the need for attention to be paid not only to air and water pollution, destructions of soils, forests species and the greenhouse effect but also to climatic and hydrological cycles in



their dependence on human interventions, to the capacity for waste assimilation and recycling of nutrients, to the polarization of the crops, to the maintenance of genetic diversity, to all transformations that has repercussions on the ecosystems.

Asif, Nasruddin and Mohammad Tayyab in their joint paper titled- "*Urban Sprawl and its Impact on Land use Changes in South Delhi: A Geo-Spatial Analysis*" make an attempt to understand the process of urban sprawl and its impact on the changing land use pattern. This is a micro level study in which attempt have been made to find out factors responsible for urban sprawl in South Delhi. Also assessments of land use changes have been made to know the direction and consequences of land use pattern change.

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 Housing and Urban Affairs, 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, 2018



Rachna Rishi
Publication Officer



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Regional Centre for Urban and
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Environmental Studies,
Lucknow University Campus,
Lucknow- 226007

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

Nishith Rai



GUIDELINES FOR CONTRIBUTORS

The editors and the publishers of this Journal welcome the submission of original research papers and brief research reports, notes for publication on condition that they are submitted solely to the Urban Panorama and that they will not be reprinted or translated without the consent of the editor. Papers will be judged on the content of their original data or interpretation and Referee's comments.

NOTE FOR CONTRIBUTORS

All papers must be accompanied by an abstract and key words with the degree/ diploma, etc. of the authors along with the recognized abbreviations and the name of the University awarding the degree/ diploma in each case. Authors should also provide the details of their current institutional affiliation.

Manuscripts: Authors should follow the style of any recent issue of the journal for preparing their manuscript. Scripts should be typewritten, original and first carbon copy with margins and double space on one side of the paper only. All pages should be numbered consecutively. An abbreviated title of the paper not exceeding thirty letters should be provided. Notes, references, tables and illustrations should be neatly presented on separate sheets and numbered consecutively for each. The length of the article should not normally exceed 8000 words.

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 Campus, 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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Consistency should be observed in the use of hyphen. For e.g. either 'psycho-social' or 'psychosocial' should be used throughout the article.

Tables and Figures should be indicated by numbers (Table 1) and not location (the Table below).

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Book reviews and review article will be accepted only when accompanied by one copy of the book reviewed.

Urban Panorama prefers articles (English/Hindi) of practical value.

The Chief Editor is responsible for the selection and acceptance of articles, but responsibility for views expressed in them rest with the author (s).

References: Quotations in the text should be short and included within single quotes. References to literature cited should be carried within the text; they should be given by the surname of author followed by the year of publication and the page or section number in brackets. For example: (Majumdar 1958: 125). The author's name need not be included if it appears in the text in the same sentence.

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Illustrations: Illustrations must be in black and white, preferably in the form of line drawing. Drawings should be in black India ink lettered by stencil or letra set. Either originals or sharp glossy prints at least 12-17 cms. should be submitted. Explanations of figures should be given on a separate sheet. Authors will be charged the cost of blocks.

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The editor reserves the full right to adjust articles with the requirement of the journal. The editorial board is not responsible for the opinions and statements of contributors of the Urban Panorama.

Exchange proposals should be addressed to the Editor and requests for subscription should be addressed to Serials Publications.

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CONTRIBUTORS

1. Amrita Rastogi (Architect – Urban Planner), Asst. Director, Planning, ISPER (Institute for Spatial Planning & Environmental Research), Panchkula, India.
2. Ashwani K Srivastava, Skyline Architectural Consultant, Lucknow.
3. Preeti Duby, Skyline Architectural Consultant, Lucknow.
4. Ayush Shukla, Skyline Architectural Consultant, Lucknow.
5. Vijay Sinha, Skyline Architectural Consultant, Lucknow.
6. Rohit Khanna, Allahabad Development Authority, Allahabad.
7. B. C. Goswami, Allahabad Development Authority, Allahabad.
8. Prof. (Dr) Indrasen Singh, Senior Professor and Dean, National Institute of Construction Management and Research Goa, (NICMAR) Goa Campus, Farmagudi (Ponda) Goa.
9. Dr. K. Baby, Asst. Professor, Department of Economics, Govt. College, Chittur, Palakkad. Kerala.
10. Ar. Priyanka Kumar, Urban Planner, RCUES, Lucknow.
11. Ar. Raunak Prasad, School of Architecture and Design, Manipal University.
12. Ar. Richa Jagatramka, School of Planning and Design, Manipal University.
13. Santosh Kumar Suman, Department of Electrical Engineering, Rajkiya Engineering College, Kannauj, (U.P).
14. Swati Maurya, Department of Electrical Engineering, Rajkiya Engineering College, Kannauj, (U.P.).
15. Dr. Sutapa Pati, Associate Professor, Xavier School of Sustainability Institute, Xavier University, Bhubaneswar.
16. Shashank Dinkar, Ph.D. Scholar, GBTU.
17. Asif, Assistant Professor, Department of Geography, Jamia Millia Islamia, New Delhi.
18. Nasruddin, Assistant Director, Regional Centre for Urban and Environmental Studies, Lucknow
19. Mohammad Tayyab, Research Scholar, Department of Geography, Jamia Millia Islamia, New Delhi



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Lucknow University Campus,
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☎ Ph. : 0522-2470-165, 2740-382,

✉ Fax : 0522-2740-165

directorrcueslko@gmail.com

www.rcueslucknow.org