



University of the
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Health: The Design, Planning and Politics of How and Where We Live

- **Paper / Proposal Title:**

Role of Urban Forestry in Improving Air quality within KMC area and Reduce Health Hazard.

- **Format:**

Written paper / Presentation (in-person)

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- **Abstract (300 words):**

This paper recognizes role of urban forestry in reducing air pollution and explores challenges related to the physical environment of a city characterized by high density development. Originated as colonial capital of British India Kolkata can be characterized by two type of settlement, dense native and sparse organized European style development for British administrators and their close associates. Kolkata faces new urban challenges in post colonial world. The study intends to find ways of protection of the present and future physical environment of KMC through intensification of greeneries within the constrain of availability of urban open space. At present there is no such plan available neither with KMC nor with department of urban and recreational forestry, Govt.of West Bengal. Further unplanned and uncontrolled growth of the city of Kolkata is reducing the possibilities of planned approach.

In this situation the present study tries to find out the benefits, typologies of available greeneries and to assess the present condition of existing urban forest within KMC area and looks into possibilities of intensification and scope of urban biodiversity conservation and derive at sustainable urban forestry programme for KMC. Basic research question is How to conserve and increase urban forest within KMC within the constrain of tremendous open space crunch.

• **Author(s) Biography (200 words each):**

Author is professor in Architecture and Planning India Institute of Engineering Science and Technology Shibpur West Bengal Howrah. She is serving the institute since 1982. She is associated with various Research and developmental works at present mainly on environmental issues. She has completed urban centre clusters consultancy project of govt. of India