



## **Dr. Alpana Rajendra Dongre**

Professor

### **Area(s) of specialization**

**Specifically interested in working across the allied disciplines of Architecture and Urban Design. Form studies through structure-architecture interaction, climate responsive design, heritage studies, architectural acoustics and complex systems in space design.**

### **Prominent journal paper publications**

- Emergent Properties of the Public Realm and Encroachments in Urban Environment', Co-authored with Prof. Akshay Patil, has been accepted for publication in vol. 16 (2014) of the Network Nexus Journal.
- 'An approach for understanding encroachments in the urban environment based on complexity science', Co-authored with Prof. Akshay Patil, Urban Design International advance online publication, July 17, 2013; doi:10.1057/udi.2013.12
- 'Impact of Workspace design in Indian Context on Occupant's Behaviour, to enhance efficiency and comfort' Co-authored with Mrs. Pooja Pathak, Journal of Civil Engineering and Architecture, David Publishing House, Chicago, USA, Issue: 3, pp: 310-322

- 'Climate Responsive Approach to Architecture Design', Journal of Design Research (JDR), 2011 Vol 9, No 4., Inderscience, Publishers, Switzerland
- 'Emerging Architectonic Forms and Designed forms', published in November 2007 issue of International Journal of Architectural Research, coauthored with Prof. S. A. Deshpande and Dr. R. K. Ingle, VNIT.

#### Other prominent publications

- The Acoustics of Sixteenth- Century Mughal Heritage Structures of Burhanpur, India. Architectural Knowledge Systems Approach', co-authored with Prof. Amit Wahurwagh, paper presented in International Conference 'Acoustics 2013', organized by Acoustical Society of India (ASI) and [French Acoustical Society](#) (FSA), New Delhi on 10th to 15th November, 2013.
- 'Workspace design in Indian context on occupants' behavior to enhance efficiency and comfort' Coauthored with Mrs. Pooja Pathak, Young Researchers Workshop, part of 22nd International Association for People-Environment Studies Conference (IAPS) from 24 - 29 June 2012, University of Strathclyde, Glasgow 2012.
- 'Impact of workspace design in Indian Context on Occupants behaviour to enhance efficiency and comfort' Co-authored with Mrs. Pooja Pathak, published in the proceedings in EDRA: 43rd International Conference 'EDRA 43 SEATTLE', Environmental Design Research Association, 30th May- 2nd June 2012
- 'Complexity of Built Environment in Public Realm' ECCS'11 - European Conference on Complex Systems 2011, Vienna, September 12-16, 2011

#### Ph.D. research students guided

Sr. No.	Thesis Topic	Name of Scholar	Status
1	Urban Design and Complexity Science	Akshay P. Patil	Ongoing
2	Cultural Landscape Conservation - an inspiring quality for Contemporary Architecture	Amit J. Wahurwagh	Ongoing
3	Study of the impact of built environment as enclosed spaces on human behaviour, focus on enhancing the efficiency and	Pooja Pathak	Submitted

	comfort of the user		
4	Sustainable Tribal Habitat using Forest Resources in Central India	Ajay S. Thombre	Ongoing
5	Contextual Analysis of Build Environment Derivation of Logical Framework for Contextual Design Approach in Indian Scenario	Neeta R. Lambe	Ongoing
6	Daylight in multistoried buildings	Trupti Chauhan	Ongoing

### **Consultancy Projects**

- Extention of Dept. of Computer Science and Water Resource Department.
- Lecture Halls as Extension for the Department of Civil Engineering and Applied Mechanics
- Proposed Integration and expansion of Department of Electronics.
- Design and layout of 'Incubation center' developed under 'RGSTC'
- Design and layout of Administrative area for the Department of Applied Mechanics and Metallurgy
- Furnishing of computer room of civil engineering department.
- Proposed Refurbishment of the old guest house building.

### **Other capabilities**

#### **(administration and other achievements)**

- Setting the acoustics and Illumination Laboratory
- Head of the Department October 2011 – October 2013
- Member of Master Plan Committee.
- Member of advisory committee for faculty recruitment.
- Member of Industry Institute Interaction Cell
- Member of the committee to identify the lapses in the security system for the campus.
- Member of the selection committee for appointments in Library & stores Sections.

- Member of the publication committee “Raajbhasha Patrika “Prerana” 2012 which recd. second prize at state level.
- Chairman Board of studies in Faculty of engineering and technology Rashtrasant Tukdoji Maharaj Nagpur University , Nagpur - 2012-13
- Member, Board of studies in Faculty of engineering and technology, RTM Nagpur University.
- Chairman / member on various Local Enquiry Committees of RTM Nagpur University. Member of the Staff Selection Committee of Nagpur University.
- Member of expert committee, appointed by Council of Architecture, for evaluation of B.Arch. degree courses.
- Member of Heritage Conservation committee , constituted in accordance with the regulation for conservation of heritage buildings/ precincts published by the Govt. with effect from 12/9/2002 for a period of 3 years.
- Recipient of ‘Teacher Award 2012’ of A3 Foundation – Art, Aesthetics and Architecture, Chandigarh.