



Dr Rajashree Kotharkar

Head & Associate Professor

Area(s) of specialization

Climate Responsive Architecture, Green Buildings, Urban Sustainability, Urban Heat Island Study, Compact City Concept, Vernacular Architecture

Prominent Journal paper publications

Kotharkar Rajashree and Deshpande Roopal (2012), **“Comparative Study’ of Transformations of Traditional House-form, Case Study Nagpur Region”** ISVS e journal, Vol.2, No. 2, March 2012, pp 17-24

Kotharkar Rajashree, Bahadure Sarika, Bahadure Pankaj, and Surawar Meenal (2012), **“Measurability for Sustainable Urban Development: Concept to Application”** published to ABACUS, A Bi-Annual International Journal on Architecture, Conservation and Urban Studies, Vol. 7, No. 1, Spring 2012, pp 72-82

Khan Smita, Kotharkar Rajashree and Latkar Madhuvanti, **‘Are Children A Marginalized Population? An Investigation of Child Centric Design’**, Published in SPACE: The SPA Journal of Planning and Architecture. 17(1) Jan-June 2013.

Khan Smita and Kotharkar Rajashree **‘A Methodological Approach to Assessing Child Centricity in Urban Schools of India’**, Acceptance Confirmed, Publication Awaited. The ajE-Bs: Asian Journal of Environment-Behaviour Studies 2013 endorsed by Science Direct Procedia & Elsevier : 2013

Kotharkar Rajashree, Dongaonkar Neha and Bahadure Sarika (2012), **“Land Use and Carbon Footprint: A case of Nagpur”**, Spandrail, Issue 5, Monsoon 2012, pp 52-59

Bahadure Sarika and Kotharkar Rajashree (2012), **“Social Sustainability and Mixed Land Use, Case Study of Neighbourhoods in Nagpur, India”**, Bonfring International Journal of Industrial Engineering and Management Science, Vol. 2 No. 4 December 2012, pp 76-83

Kotharkar Rajashree, Deshpande S. A. and Gupta Rajesh (2010), **“Vernacular Housing Design In Central India: Issues And Concerns For Today”** Accepted at American Journal of Engineering and Applied Science (Under SciPub)..

Khan Smita and Kotharkar Rajashree, (2010) **“Through the Eyes of the Learner: A critical evaluation of an urban Indian school”**, International Journal of Architectural Research, ArchNet IJAR Vol. 6, Issue 2, July 2012, pp 79-97

Kotharkar Rajashree, Deshpande S. A. and Gupta Rajesh (2009), **“Vernacular Courtyard Housing Pattern in Varhad Region of Central India: A Case for Meaningful Conservation”**, ABACUS, A Bi-Annual International Journal on Architecture, Conservation and Urban Studies, Spring 2009, Vol. 24, No 1, pp 58-71

Other prominent publications

Kotharkar Rajashree, Deshpande S.A. and Gupta Rajesh (2008), **“Responding To The Change, Making “The Vernacular” Relevant: Case Study ‘VARHAD’ Region In Maharashtra, India”**, ISVS 4, International Seminar On Vernacular Settlement, Center for Environmental Planning and Technology, Ahmadabad on 14th and 15th February 2008, ISVS 4 seminar proceedings, pp 551-566.

Kotharkar Rajashree, Deshpande S. A. and Gupta Rajesh (2010), **“Vernacular Housing Design In Central India: Issues And Concerns For Today”** ICSAUD 2010 International Conference Sustainable Architecture and Urban Design 2010 at School of Housing, Building and Planning, Universiti Sains Malaysia, 3-4th March 2010, pp 151-165

Kotharkar Rajashree (2012), **“Urban Climate Fields Classification for an Indian City: Nagpur, India”** Presented paper **ICUC 8**, Eighth International Conference on Urban Climate, August 6-10 August, 2012, Dublin, Ireland.

Kotharkar Rajashree (2012), **“Multilayered Approach towards Sustainable Settlement Pattern in Western Vidarbha of India”**, Poster published **ICUC 8**, Eighth International Conference on Urban Climate proceedings, August 6-10 August, 2012, Dublin, Ireland.

Khan Smita and Kotharkar Rajashree (2012), **“Evaluation Of Urban Indian Schools As Learning Environs Using Post Occupancy Evaluation For Building Performance”**, IAPS, June 2012, Glasgow, UK,

Kotharkar Rajashree, Pankaj Bahadure and Vyas Ashish (2012), **“Compact City Concept: Its Relevance and applicability for planning of Indian Cities”**, published at **PLEA 2012**, Lima Peru,
 Kotharkar Rajashree and Bahadure Sarika (2012), **“Mixed Land Use and Sustainable Urban Development”**, published at **PLEA 2012**, Lima Peru,
 Khan Smita and Kotharkar Rajashree (2012), **“Building Performance Evaluation Of School Environs: Evolving an appropriate methodology”**, AcE-Bs 2012, BANGKOK, July 2012

Ph.D. research students guided

Sr. No.	Thesis Topic	Name of Scholar	Status	Significant Contribution
1	'Study of Child Centricity in the Learning Environments of Urban Indian Schools through Post Occupancy Evaluation'.	Smita Khan	Completed and Awarded	Child centricity as an important issue in the Indian context
2	Mixed Land Use: A tool for sustainable urban development	Sarika Waghmare	On-going	
3	Study of Transformation in traditional settlements	Roopal Deshpande	On-going	
4	Compact City: A Sustainable Urban Form for Indian Cities	Pankaj Bahadure	On-going	
5	Thermal Performance of Built Form	Sumita Sardesai	On-going	
6	Urban Heat Island Study of Nagpur	Meenal Surawar (FT)	On-going	
7	Measuring Urban Sustainability	Anusha Vadiraj (JRF)	On-going	

Sponsored research projects with role as PI/Co-PI together with brief achievements in each project

Sr. No.	Title of Project	Principal Investigator	Sponsoring Agency	Amount
1	Study of Local Climate Zones as an influencing factor for Urban Heat Island effect in an urban area: Case Study Nagpur	Dr Rajashree Kotharkar	DST	Rs.35,65,000/-
2	'Assessing Urban Sustainability in the Context of Urban/Spatial Cluster Typologies using GIS and Multivariate Analysis'	Dr Rajashree Kotharkar	HSMI/HUDCO	Rs. 18,40,000/-

Other capabilities

(administration and other achievements)

Department level:

- Head of the Department since 01.11.2013
- Conducting the PhD Entrance Examination, Interview, etc. for last 3 years.
- Member of Research Progress Committee for 5 PhD scholars
- PG Seminar coordinator 2010
- Developing research facility in the department for energy studies
- In charge of departmental climatology laboratory since 2005 October
- Preparation of Council of Architecture reports in 2008 and 2009
- Faculty Advisor for 2006 – 10 batch
- Formulated M. Tech planning syllabus
- In charge of NASA activity 2007-08
- PG coordinator for 2006-07
- Thesis co-ordinator for three years: 2001-2004
- In charge of departmental library for three years 2001-04

- **Member of syllabus formulating committee, 2003**
- **In charge of seminar activity for two years 2001-03**
- **In-charge of the departmental terminal examination for 05 years from 1996-2001**
- **Member of departmental academic affairs committee**
- **Faculty I/C study tour in jan'2000**
- **Member of committee formed to look into the curriculum development which included aspects like review of syllabus, proposals of new courses, research and documentation and teaching aids, etc**
- **Assisted Prof. V.S. Adane in preparing the accreditation report for the deemed to be university status to VRCE.**
- **In-charge of students' work exhibition committee for NASA 1996-97**

Institute level:

- **Convener for Committee for the arrangement of stage on the Dias for Convocation 2012**
- **Member of Committee for the arrangement of stage on the Dias for Convocation 2011**
- **Member of local organizing committee for sustainable development of urban infrastructure 2010**
- **Officer I/C stock verification of Girls Hostel 2010**
- **Member of committee for energy audit of the campus 2010**
- **Director's nominee for M. Arch (by research) viva for Neeta Lambe in 2010**
- **Officer I/C stock verification of Girls Hostel 2009**
- **Member of Committee constituted to prepare the institute brochure and institute display boards in the exhibition hall of the library, 2008 – 2009**
- **Member of committee formed to finalise the design of rajdand for the VNIT convocation 2006**
- **Member of correspondence committee of the VNIT convocation 2005 and 2006**
- **Member of AIEEE admission committee 2005**

- Member of discipline committee for the institute day function 2001-2002 and 2002-2003
- Welfare officer for the girl students for two years from 2000-2001 to 2001-2002.
- Member of state engineering admission committee 2001-02
- Teacher in-charge college magazine committee for 1999-00

CONSULTANCY (INSTITUTE AND OUTSIDE)

Organization	Title of project	Amount of grant	Period
VNIT, Nagpur	Site Development of The Girls Hostel, VNIT, Nagpur	Approx.Rs.25-26 lakhs (cost of the project)	6-8 months, 2002-03
VNIT, Nagpur	Warden's Residence, VNIT, Nagpur		
Zilla Parishad, Wardha & DRDA, Wardha	Rural Haat, Wardha	Rs.5, 50,000/- (consultancy fees recd.) Rs. 2,00,00,000/- (project cost)	1 year, 2010-11