
LIST OF PUBLICATIONS AND PAPERS OF SPECIAL SIGNIFICANCE

By:

RAVINDAR KUMAR KHIANI
Assistant Professor

**DEPARTMENT OF ARCHITECTURE AND PLANNING
NED UNIVERSITY OF ENGINEERING AND TECHNOLOGY
KARACHI: JANUARY 2014**



- 1. URBAN ECONOMIC POLICY FOR GROWTH AND DEVELOPMENT OF SECONDARY CITIES IN PAKISTAN.** Paper presented at International Peer Reviewed Conference i.e. Pakistan Urban Forum 2014 (PUF), South Asian Cities, Karachi, Sindh, Pakistan; January 09-12, 2014. Event organized by The Urban Unit; Planning and Development Department; Government of Punjab, Pakistan and Planning and Development Department; Government of Sindh, Pakistan, MIT Harvard University USA, NED University Karachi, IBA Karachi, SZABIST Karachi and MUET Jamshoro, Sindh, Pakistan.
- 2. DOCUMENTATION AND RECORDING OF FORGOTTEN HERITAGE: CASE STUDY OF THE HISTORIC CORE OF KARACHI.** Paper published in International Peer Reviewed Conference i.e. ICOMOS Thailand International Conference 2013.
- 3. DESIGN AND DEVELOPMENT OF PRACTICAL WORK BOOK IN THE SUBJECT OF 'AR-302: URBAN PLANNING AND MANAGEMENT' FOR THIRD YEAR URBAN ENGINEERING** published by Department of Urban & Infrastructure Engineering, NED University of Engineering & Technology, Karachi-75270, Pakistan, in the year 2013.
- 4. EVALUATING THE STATUS OF URBAN AREA CONSERVATION AND DESIGNATION OF HISTORIC URBAN ARCHITECTURE AND HERITAGE BUILDINGS IN KARACHI.** Paper presented at International Peer Reviewed Conference i.e. APSA 11th International Congress; September 19th - 21st, 2011 held at University of Tokyo, Tokyo, Japan. Event organized and proceedings published by Asian Planning Schools Association (APSA), The University of Tokyo, Japan
- 5. MEGA CITY KARACHI WITH 18 TOWNS WAITING FOR PLANNING AND REFORM.** Paper presented at International Peer Reviewed Conference i.e. Pakistan Urban Forum 2011 (PUF), Managed Urbanisation: The Road to National Development, Lahore, Pakistan; March 01-05, 2011. Event organized by The Urban Unit; Planning and Development Department; Government of Punjab, Pakistan and sponsored by USAID (<http://www.usaid.gov/>), Association of Builders and Developers (ABAD) Pakistan (<http://www.abad.com.pk>), WSP (<http://www.wsp.org/wsp/>), IPDF Pakistan (<http://ipdf.gov.pk/home/>), World Bank Group (<http://www.worldbank.org/>), Asian Development Bank (<http://www.adb.org/>), and PMDFC (<http://www.pmdfc.org.pk/>).

6. **AN APPRAISAL OF SIGNAL FREE CORRIDOR IN KARACHI VIA EMPIRICAL STUDY OF ROAD ACCIDENTS AND PEDESTRIAN MOVEMENT CONCERNING ROAD CROSSING.** Paper presented and published in an International Peer Reviewed Symposium and Conference i.e. Third International Symposium on Infrastructure Engineering in Developing Countries and First International Conference on Sustainable Transportation and Traffic Management, Karachi, Pakistan; July1-3, 2010. Event organized and proceedings published by Department of Urban and Infrastructure Engineering, NED University of Engineering and Technology, Karachi, Pakistan; Sponsored jointly by Higher Education Commission (HEC), US-AID and partners with *Interdisciplinary Journal of Contemporary Research in Business(IJCRB)*, UK. ISBN: 978-969-8620-10-3
7. **ECONOMIC COMPLEXITY AND BUILT ENVIRONMENT'S COST WEBS AFTER GLOBALISATION: RECOMMENDATIONS FOR PROMOTING AFFORDABILITY THROUGH PLANNING.** Paper presented and published in an International Peer Reviewed Seminar i.e. Third International Seminar on Urban and Regional Planning, May, 2010 at Department of Architecture and Planning, NED University of Engineering and Technology, Karachi, Pakistan. Sponsored by Higher Education Commission (HEC) Islamabad, Pakistan. ISBN: 978-969-8620-05-02
8. **ENVIRONMENT VERSUS INVESTMENT: AN EVALUATION OF EMERGING URBAN DESIGN TRENDS AND PRACTICES IN COASTAL BELT OF KARACHI, PAKISTAN.** Paper presented in Third International Seminar on Urban and Regional Planning, September, 2007 at Department of Architecture and Planning NED University of Engineering and Technology, Karachi.
9. **EMERGING PARADIGM IN URBAN DEVELOPMENT AND DESIGN: A CASE STUDY OF DIAMOND BAR ISLAND CITY PROJECT AT BUNDAL (BHOONDAR) AND BUDDO (DHINGI) ISLANDS IN INDUS DELTA OF SINDH BY THE INITIATIVE OF GOVERNMENT OF PAKISTAN.** Paper presented at Asia Link-Urbs Conference held at Centre for Housing Planning and Building Battaramulla Colombo, Sri Lanka; 7th-9th June 2007 organized by University of Moratuwa, (Sri Lanka) in collaboration with Katholieke Universiteit Leuven (Belgium), TU Eindhoven (The Netherlands), CEPT University (India) and NED University (Pakistan).
10. **DESTRUCTION OF NATURAL RESOURCES AS A CONSEQUENCE OF HUMAN INTERFERENCE: CASE OF FISHERMEN COMMUNITY LIVING ALONG MANGROVES FOREST AT KAKA PIR VILLAGE, NOVANALL ISLAND, KARACHI.** International Refereed Paper published in the Research Journal *Protibesh* January 2007 issue by Department of Architecture, Bangladesh University of Engineering and Technology, Dhaka-1000, Bangladesh.
11. **A CRITICAL EVALUATION OF URBAN BEACH DEVELOPMENT PLANS AND PROJECTS BY FORMAL SECTOR INSTITUTIONS AT CLIFTON BEACH KARACHI.** Refereed Paper accepted and under publication in the Journal of Research in Architecture and Planning: Vol. 5, 2006-Urban Design: Case Based Theory and Practice; Pg. 115-130 by Department of Architecture and Planning, NED University of Engineering and Technology Karachi, Pakistan.
12. **AN APPRAISAL OF DRANGI PILOT PROJECT RESEARCH AND TRAINING INSTITUTE (OPP-RTI).** Paper presented at Asia Link – Asia Urbs Platform Event 1, 10th-11th January 2006, at Faculty of Architecture University of Moratuwa Sri Lanka, organized by University of Moratuwa, (Sri Lanka) in collaboration with Katholieke Universiteit Leuven (Belgium), TU Eindhoven (The Netherlands), CEPT University (India) and NED University (Pakistan).

13. **DESTRUCTION OF NATURAL RESOURCES AS A CONSEQUENCE OF HUMAN INTERFERENCE: A CASE STUDY OF FISHERMEN COMMUNITY LIVING ALONG MANGROVES FOREST AT KAKA PIR VILLAGE, NOVANALL ISLAND, KARACHI.** Paper Presented at an International Refereed Conference on Environmental Horizons December 19-21, 2005 at University of Karachi.
14. **URBAN DESIGN INTERVENTION IN AN INTERMEDIATE CITY: LEARNING FROM URBAN DESIGN STUDY AND EXPERIENCES OF MINGORA, SWAT, NWFP, PAKISTAN** Paper presented in Second International Seminar on Urban and Regional Planning: Learning from Experience, August 20, 2005 at NED University of Engineering and Technology, Karachi.
15. **DESIGN AND DEVELOPMENT OF PRACTICAL WORK BOOK IN THE SUBJECT OF 'AR-203: URBAN SOCIOLOGY' FOR SECOND YEAR URBAN ENGINEERING** published by Department of Civil Engineering, also administering Urban Engineering, NED University of Engineering & Technology, Karachi-75270, Pakistan, in the year 2003.
16. **DESIGN AND DEVELOPMENT OF CURRICULUM OF ARCHITECTURE AT BACHELORS AND MASTERS LEVEL** through National Curriculum Revision Committee Meetings at Higher Education Commission Regional Center Karachi, Pakistan, in the years 2003 and 2006.
17. **DESIGN AND DEVELOPMENT OF CURRICULUM OF CITY AND REGIONAL PLANNING AT BACHELORS AND MASTERS LEVEL** through National Curriculum Revision Committee Meetings at Higher Education Commission Regional Center Karachi, Pakistan, in the years 2003 and 2006.

ARCHITECTURE, URBAN DESIGN, RESEARCH, AS A PRIVATE RESEARCH & DEVELOPMENT CONSULTANT

S. No.	Title of Project/Research/Study	Project/Study Undertaken for	Year
1	A comprehensive research on, Leasing process of low-income settlements and public awareness, case studies of three low-income settlements in Karachi.	Shirkat Gah (NGO for Women Rights)	1997
2	Civil Society in New Millennium, a comprehensive case study of Sindh (rural), the study includes several interviews, & focus group discussions with different social categories throughout rural Sindh.	Common Wealth Foundation United Kingdom.	1997/ 98
3	A comprehensive analysis of requests to NGO Resource Center, from different geographical regions of Pakistan, and assessment of role played by NGO Resource Center to meet these demands from people.	NGO Resource Center Karachi (an organization of Aga Khan Foundation.)	1999
4	A comprehensive area study profile/documentation of Islamia Colony no. I & II, at Qasba Colony, District West Karachi.	NGO Resource Center Karachi (an organization of Aga Khan Foundation.)	1999
6	Evaluation of Low Cost Sanitation Program of Orangi Pilot Project, Karachi.	Mr. Adel, Water Aid, United Kingdom.	1999

DEVELOPMENTAL RESEARCH WORK WITH PROFESSOR DR. NOMAN AHMED, AS A RESEARCH ASSOCIATE AT YOUNG PROFESSIONALS TRAINING UNIT (Y.P.T.U)

S. No.	Title of Project/Research/Study	Project/Study Undertaken for	Year
1	A Comprehensive analysis of the New Fruit & Vegetable Market at Karachi developed with the help of Asian Development Bank.	Young Professionals Training Unit (YPTU), Karachi, Pakistan.	1997
2	“Environment” an interpretation & perception of the term as used by Architects & Urban Designers, the theoretical background & practical work at Old Thano documentation Malir, Karachi.	Prof. Dr. Masood. A. Khan, Massachusetts Institute of Technology (MIT), USA.	1997
3	Public Private Partnerships in Land Supply for Housing – Case of Pakistan.	Department of International Development, Government of United Kingdom.	1997
4	Study of Performance Indicators of Infrastructure Projects in Karachi.	Water Engineering and Development Center (WEDC), University of Love-Borough, United Kingdom.	1998
5	Study of the Dynamics, Social & Economic impacts of Privatization of Water & Sanitation Sector – Case of Karachi.	Water Engineering and Development Center (WEDC), University of Love-Borough, United Kingdom.	1999
6	Operation & Maintenance issues in Water & Sanitation Sector in Karachi.	Water Engineering and Development Center (WEDC), University of Love-Borough, United Kingdom	2000 To 2003
7	Urban Environmental Sanitation Survey in Sindh, Pakistan – Case Study of 12 Small Cities in Sindh.	Water Engineering and Development Center (WEDC), University of Love-Borough, United Kingdom.	2000 To 2003

ACADEMIC RESEARCH AS A STUDENT, MASTERS OF URBAN DESIGN

S. No.	Title of Project/Research/Study	Year
1	Retrospect of Squatter Settlements in Pakistan, case of Karachi, which includes a detailed study of Shah Rasool Colony Clifton.	1996/97
2	A critical analysis of Karachi Mass Transit Project.	1996/97
3	Comprehensive analysis of appropriate public transportation mode in major third world cities, case studies of Karachi, Bombay & Madras.	1997
4	An overview of landscape and land use issues along Lyari River areas & critical analysis of Lyari Expressway Project. (Group Assignment)	1997
5	Role of Landscape in the context of Urban Form, a case study of Jahangir Park at Empress Market, Karachi.	1997
6	An analysis of Real Estate & Land Market of old town areas in Karachi.	1997
7	Conservation of a Ventilating Shaft situated near Dawood College (Iqbal Campus) at Karachi. (Group Assignment)	1997

8	Urbanization of Intermediate Cities & Development of City Fringes, Case Study of Mingora, Swat N.W.F.P, Pakistan. (A study into Development of an Urban Design Visionary for the City Fringes of Mingora Swat, by using Master Plan as a tool for Directed Development) Final Thesis Project of Masters of Urban Design	1997/99
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2 AWARDS/HONOURS CONFERED / MEMBERSHIP OF PROFESSIONAL ORGANISATIONS:

1. Member as Professional Architect with Pakistan Council of Architects and Town Planners (PCATP) **Registration No A-1761.**
2. Member as Associate with Institute of Architects Pakistan (IAP) **Registration No A-80203.**
3. Participated in **English Public Speaking Contest, 1st March 2008**, held by Language Centre, The Hong Kong University of Science and Technology, Kowloon, Hong Kong SAR
4. Rapporteur for the 1st, 2nd, 3rd, 4th, 5th, 6th and 7th **Dr Akhter Hameed Khan Development Forums since Year 2000** held annually in the month of October in Karachi Pakistan.
5. Organizer, Rapporteur and Interactive Participant in a workshop on, **“Water and Sewerage in Karachi- The Way Forward” September 2000**, held by the Government of Sindh in collaboration with the World Bank at Karachi, Pakistan.
6. Organizer, and Interactive Participant in a workshop on, **“Performance Based System of Control: An Alternative Approach to Regulations”**, conducted by Dr. Shahed Anwer Khan, (University of Western Sydney, Australia), **April 2000**, held at Karachi Mega-City Institute, Department of Architecture and Planning, Dawood College of Engineering and Technology (DCET), Karachi, Pakistan.
7. Organizer, Rapporteur and Interactive Participant in a workshop, **“Professional Input in Community Development” July 1999**, Organized by Young Professionals Training Unit, held at Department of Architecture and Planning, Dawood College of Engineering and Technology (DCET), Karachi, Pakistan.
8. Organizer, and Interactive Participant in the Second workshop on, **“Socially Responsive Environmental Design” August 1998**, Organized by Architecture and Planning Education Forum, held at Department of Architecture and Planning, Dawood College of Engineering and Technology (DCET), Karachi, Pakistan.
9. Organizer, Rapporteur and Interactive Participant in a workshop on, **“Career in Community Development” August 1998**, Organized by Young Professionals Training Unit, held at Department of Architecture and Planning, Dawood College of Engineering and Technology (DCET), Karachi, Pakistan.
10. Organizer, Rapporteur and Interactive Participant in a workshop on, **“Architectural Acoustics” June 1998**, Organized by Department of Architecture and Planning, Dawood College of Engineering and Technology (DCET), Karachi, Pakistan.
11. Member, Board of Directors, Technical Training Resource Centre (TTRC) Orangi Town Karachi
12. Resource Person for Urban Design, Shaheed Zulifqar Ali Bhutto Institute of Science and Technology (SZABIST) Karachi
13. **Research Guide and Thesis Advisor** to various undergraduate and post graduate students studying at:
 - a) Visual Studies Department University of Karachi;
 - b) Department of Architecture and Planning NED University of Engineering and Technology, Karachi;
 - c) Department of Architecture and Planning, Dawood College of Engineering and Technology Karachi;
 - d) Department of Architecture, Indus Valley School of Art and Architecture, Karachi
 - e) Department of Architecture, Mehran University of Engineering and Technology, Jamshoro.
 - f) MSc Environmental Design, Allama Iqbal Open University Islamabad.

THANK YOU VERY MUCH FOR READING ALL ABOUT MY RESEARCH ENDEAVORS.
