

**CURRICULUM VITAE****PROF. DR. SUDHAKAR YEDLA**

B.E (Civil Engg.), M. Tech (IIT-KGP), Ph.D (IIT-KGP),  
Post Doc (AIT-Thailand), Dip. Int. Env. Law (Switzerland),  
Cert. EEDP (USA), Cert ET (Germany); Post Doc (AIT-Thailand), FIE (India)

**Professor (Civil and Environmental Engineering)**

(Permanent Position at a pay Level 14A)

**Indira Gandhi Institute of Development Research (IGIDR)**

A National Institute and Deemed University Funded by the Reserve Bank of India, Government of India

Gen. A.K. Vaidya Marg, Goregaon East, Mumbai 400065, INDIA

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(Former) **VICE - CHANCELLOR**

**Dravidian University, Kuppam, Government of Andhra Pradesh**

(Former) **DIRECTOR**

**National Institute of Technology (NIT) Srinagar, Jammu & Kashmir**  
**Ministry of Education, Government of India**

(Former) **CHAIRMAN**

National Focus Group on Environmental Education for **NCF, NCERT, Govt. of India**

(Former) **CHAIRMAN** (Ex-Officio)

**Board of Governors, National Institute of Technology Srinagar**  
**Ministry of Education, Government of India**

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- **MEMBER OF THE COURT**, Central University of Karnataka, Government of India
  - **VISITOR'S NOMINEE**, Executive Council (**BOG**), Central University of Karnataka, **GoI**
  - **MEMBER, ACADEMIC ADVISORY COMMITTEE**, National Board of Accreditation (**NBA**), Govt of India
  - **MEMBER, FINANCE COMMITTEE**, Central University of Karnataka, Govt of India
  - **MEMBER, SUB-COMMITTEE OF AAC OF ENGINEERING**, National Board of Accreditation (**NBA**), Govt of India
  - **MEMBER, Curriculum Area Group** (CAG) of Environmental Education, NCERT, **GoI**
  - **VISITOR'S NOMINEE**, NIT Faculty Selection Committee, Ministry of Education, **GoI**
  - **EMPAANELED INDEPENDENT PROGRAMMATIC EVALUATOR** for the United Nations Development Programme (**UNDP**)
  - **ASSESSOR FOR NAAC ACCREDITATION**, NAAC, Government of India
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⇒ Full **Professor** in 2008 (for the past 16 years) at the age of 37 years

⇒ **Vice-Chancellor** of a State University at 47 years age

⇒ **Director** of NIT at 51 years age

⇒ Served at **Apex Pay scale** Level 16 (Vice-Chancellor and Director) since 2019

⇒ **Twenty-Five years** of academic experience at **National** and **International** Institutions

**Formerly**

**VICE-CHANCELLOR (PRESIDENT)**

Dravidian University (Inter-State University)  
Government of Andhra Pradesh, India

**CHAIRMAN**

National Institute of Technology (NIT) Srinagar  
Ministry of Education, Government of India

**MEMBER OF THE COURT** (MHRD Nominee)

Central University of Jharkhand, Ranchi  
Ministry of Education, Government of India

**GUEST MEMBER OF SENATE**

Asian Institute of Technology (with an international Charter), **Thailand**

**COUNTRY PROGRAMME EVALUATOR**

For two Consecutive cycles of UNDP India  
United Nations Development Program (UNDP)

**VISITING SCHOLAR (J1 EXCHANGE)**

Dept. of Civil and Env. Engg.  
New Jersey Institute of Technology, Newark, **USA**

**BRAINPOOL PROFESSOR**

Department of Civil & Environmental Engineering  
University of Ulsan, **South Korea**

**VISITING PROFESSOR** (Appointed)

Department of Civil & Environmental Engineering  
**Cornell University**, Ithaca, **USA**

**MEMBER, NATIONAL JURY**

National Awards for Teachers 2022  
Ministry of Education, Government of India

**PROJECT DIRECTOR**

Asian Regional Project on Energy, Environment  
Climate Program, **Swedish** International  
Development Cooperation Agency (Sida)

**NIES FELLOW**

Center for Global Environmental Research  
National Institute of Environmental Studies, **Japan**

**INTERNATIONAL CONSULTANT**

UN-ESCAP, **Bangkok**

**DIRECTOR**

National Institute of Technology (NIT) Srinagar  
Ministry of Education, Government of India

**CHAIRMAN**

National Focus Group on Environment Education  
for NCE, NCERT, Government of India

**PROFESSOR**

Department of Civil Engineering  
National Institute of Technology (NIT) Warangal

**MODULE IN-CHARGE (ENVIRONMENT)**

Roles of Agriculture – A Regional Research Initiative  
United Nations Food and Agriculture Organization  
(UN-FAO) Rome, **Italy**

**INTERNATIONAL INDEPENDENT EVALUATOR**

Malé Declaration on Trans-boundary Air Pollution  
in South Asia, **UNEP – RRC.AP, Thailand**

**POLICY RESEARCHER (TENURE RACK)**

Institute for Global Environmental Strategies  
Hayama, **Japan**

**VISITING PROFESSOR (FULL TIME)**

Asian Institute of Technology, **Thailand**  
Seconded by MHRD, Government of India

**VISITING PROFESSOR** (Appointed)

Center for Environment and Sustainability  
Western State Colorado University, Gunnison, **USA**

**MEMBER OF CONSENT COMMITTEE**

AP Pollution Control Board Consent Committee  
Warangal Regional Office, Andhra Pradesh India

**ADVISOR**, (Appointed through UPSC)

Head, Central Public Health and Environmental and  
Engineering Organization, Ministry of Urban  
Development, Government of India

**KIEP FELLOW**

Korean Institute of International Economic Policy  
Seoul, **Korean Republic**

**INTERNATIONAL CONSULTANT**

UNDP **Egypt**

**SDG, GEF AND GCF CONSULTANT**

United Nations Development Programme (UNDP)  
India (2005-2020)

**CSR REVIEWER**

CISCO Systems Inc, San Jose, CA, USA

**GUEST EDITOR (TWICE)**

International Journal of Environment and Pollution, Inderscience Publishers, Geneva, Switzerland

**DISTINCTIONS**

- An **IITan**
- One of the **youngest** to become **full Professor** in NITs, **Vice-Chancellor** of a State University and Director of National Institute of Technology (NIT)
- Dynamic, Reformative and Visionary Academic Administrator (Vice-Chancellor of a University and Director of NIT)
- Studied, Worked and Taught in Seven Countries including the **USA** and **Japan**
- Recognised Peer and an Internationally acclaimed Environment and Development Expert
- Taught in India and Abroad with an outstanding student feedback
- Consultant for a number of UN bodies and international Development Agencies and Gol
- Actively involved with the **industry** on sustainability

**PARTICIPATED IN HIGH PROFILE MEETINGS**

- **Discussant** for an Interactive talk by **CEO of the World Bank**, organized by RBI in Mumbai.
- **Key Note Speaker**, First **Asia and Pacific Mayor's Forum**, UN-ESCAP and City of Ulsan, S. Korea.
- **Rapporteur** for the session on "Action Plan for Future Activities" for the **United Nations Ministerial Conference on Environment and Development**, South Korea, 2005
- Invited Expert at the Energy-Environment Group **Outcome Evaluation Board** meeting of UNDP
- Guest **Member of Senate**, Asian Institute of Technology (AIT), Thailand
- An Invited Expert at the High Profile Interactive session with the **Ambassador of Ecuador**

**TOP NOTCH RESEARCH**

- Published in **top ranked** international journals and publishers
- Top ranked papers (4<sup>th</sup> and 9<sup>th</sup> among most down loaded papers in Elsevier)
- 155 Publications including 6 books with international publishers

**FELLOWSHIPS AND AWARDS FROM AROUND THE WORLD**

- **Eighteen Fellowships** from Germany, Sweden, Finland, USA, Japan, Korea and Thailand, Gol

- Member, American Society of Civil Engineers
- Fellow of LEAD, UK
- Fellow, Institute of Engineers (India)
- DST Young Scientist Project award, Govt. of India
- Listed in Marquis Worlds Who is Who;
- Member, India International Centre, Delhi
- Sustainability Expert for Bloomberg Inc, USA

### REVIEW OF IMPORTANT INTERNATIONAL DOCUMENTS

- Review of WG-II to the Fifth Assessment Report (AR5), **IPCC**
- Review and Wetting of some components of National Communication to **UNFCCC** by Govt of **Netherlands** Foundation for WOTRO
- Editorial Board Member of international journals and Executive Committee Member for International Organizations and reviewer for over 30 international journals

### JURY/SELECTION COMMITTEES/EXAMINER FOR MANY NATIONAL INSTITUTIONS

- Jury Member, National Teachers' Award 2022, Ministry of Education, Government of India
- Vice-Chancellor Search Committee Member for BAMU, Government of Maharashtra
- Advisor, Union Public service Commission, Government of India
- Advisor, Rajasthan Public Service Commission, Government of Rajasthan
- Graduate Programmes Examiner for IITs, NITs, Central Universities and TEIs
- Juries of Foundations such as Academisthan; Narottam Sekhsaria etc.
- Member, Advisory Board of AIMS College of Engineering, Mummdivaram, AP, India

### PRESIDENTIAL ADDRESSES

- At the Annual Meeting of **Korean Society** of Environmental Engineering
- Series of invited lectures in Korean, German, USA Universities and International Institutions
- GITAM University, Visakhapatnam on Presidents invitation

### EXTENSIVELY INVITED BY PEERS GLOBALLY

- Widely Invited by International Development Agencies/ Institutions/ Organizations / Universities
- Invited on 190 occasions to give lectures, key note speeches, attend meetings and present research work
- Lectured at more than 50 Indian Institutions and Organizations
- Lectured at 46 International Institutions and Organizations Globally

- Attended 135 national and international conferences and made presentations
- Researched on all aspects of Environment and Development and **worked in Seven Countries** and Collaborated with more than 35 Acclaimed Researchers Globally

## **INTERNATIONAL WORK EXPERIENCE** (SIXTEEN ENGAGEMENTS)

### **USA**

- Worked at New Jersey Institute of Technology (NJIT), Newark, **USA** as a Visiting Scholar (2015)

### **JAPAN** (Three Engagements)

- Worked at the National Institute for Environmental Studies, Tsukuba, **Japan** (Oct-Nov 2010)
- Worked at Urban Environmental Division, Institute for Global Environmental Strategies, **Japan**, 2004-05
- Worked as Consultant at Urban Environmental Division – Kitakyushu Office, Institute for Global Environmental Strategies (IGES), Kitakyushu, **Japan** (2003-04)

### **EGYPT**

- Worked as an International MTR Consultant for **UNDP Egypt**, Sept-Nov 2018

### **REPUBLIC OF KOREAN** (Four Engagements)

- Worked at Korean Institute for International Economic Policy (KIEP), Seoul, Republic of **Korea**, as a Visiting Fellow (May – June 2014)
- Worked at the Department of Civil and Environmental Engineering, University of Ulsan, **Korea**, 2007– 08
- Worked at the Department of Civil & Environmental Engineering, University of Ulsan, **Korea**, Jan 2007
- Worked at EIP Center, University of Ulsan, **Korea**, Dec 2009

### **THAILAND** (Four Engagements)

- Worked at Asian Institute of Technology, Thailand as a Visiting Professor, School of Environment, Resources and Development, **Thailand** (Jan – May 2018)
- Worked at Asian Institute of Technology, Thailand as a Visiting Associate Professor, School of Environment, Resources and Development, **Thailand** (Aug – Dec 2012)
- Worked as Post-doctoral research fellow at School of Environment, Resources and Development, Asian Institute of Technology (AIT), Bangkok, **Thailand** (May – July 2002).
- Worked as Post-doctoral research fellow at School of Environment, Resources and Development, Asian Institute of Technology (AIT), Bangkok, **Thailand** (Jan – June 2001).

### **SULTANATE OF OMAN**

- Associated for work with HMR International Environmental Consultants, Sultanate of **Oman**, Sept 2010

### **BANGLADESH**

- Worked with AFC Consultants International and SSIL on an ADB Initiative of climate change (2013-14)

## EDUCATION

1. Doctor of Philosophy (**Ph.D.**) in Civil and Environmental Engineering, Indian Institute of Technology (**IIT**), Kharagpur, India (May 1999)
2. Master of Technology (**M.Tech.**) in Aqua and Env. Engg, Indian Institute of Technology (**IIT**), Kharagpur, India (December 1995)
3. Bachelor of Engineering (**B.E.**) in Civil Engineering, Andhra University, Andhra Pradesh, India (1993)
4. First Post-doctoral degree (**PDF**) in Energy and Environmental Management from Asian Institute of Technology (**AIT**) Thailand (2001)
5. Certification program on Environmental Economics and Development Policy (**Cert. EEDP**) from the World Bank Institute, Washington D.C., **USA** (2002)
6. Second Post-doctoral degree (**PDF**) in Decision making in Environmental/Public Systems form Asian Institute of Technology (**AIT**) Thailand (2002)
7. Diploma (with Distinguished Honours) in International Environmental Law (**Dip. Int. Env. Law**), **United Nations** Institute for Training and Research (UNITAR), **Switzerland** (September 2006)
8. Certificate Programme on Emissions Trading in Asian Countries, International Climate Action Programme (ICAP), **Germany** (2022)

## OTHER POST-DOCTORAL ACADEMIC PROGRAMMES

- **IHDP, Germany**  
International Human Development Workshop (IHDW-Fellowship), International Human Dimensions Programme on Global Environmental Change (IHDP), Bonn, **Germany**, 2000
- **ISWM, Japan**  
Training (workshop) on **Integrated Solid Waste Management based on 3R Principles**, Organized by IETC-DTIE of United Nations Environment Program, UNEP-ROAP and UNESCAP, 5-8<sup>th</sup> Oct 2009, Osaka, **Japan**
- **IMABD, Japan**  
Training (Workshop) for the Asian-Pacific Region on the **Implementation of Multilateral Agreements Related to Biological Diversity**, Organized by United Nations Institute for Training and Research (UNITAR) in Co-operation with Kushiro International Wetland Centre, Kushiro, **Japan**, 15-21 March 2003.
- **Management-insights for Faculty Members**, A week long training Programme Sponsored by National Institute of Technology (NIT) Warangal and Offered by Administrative Staff College of India (ASCI), Hyderabad, 8-12 Dec 2008.

### HOLDS THE DISTINCTION OF

A TRAINED PROFESSIONAL MAJORING IN ALL DOMAINS OF ENVIRONMENTAL MANAGEMENT VIZ. ENVIRONMENTAL ENGINEERING, ENVIRONMENTAL ECONOMICS, ENVIRONMENTAL LAW, AND POLICY

## EMPLOYMENT HISTORY (PERMANENT/REGULAR POSITIONS)

Total Experience of 28 years and 25 years of Post-PhD	Worked in India (NIT-W, IGIDR, Dravidian University) and abroad (USA, Japan, South Korea and Thailand)
Present Position:	<b>Professor</b> of Environment and Development Policy, Indira Gandhi Institute of Development Research ( <b>IGIDR</b> ), Mumbai, INDIA
May 2023 – Jan 2024:	<b>DIRECTOR</b> , National Institute of Technology (NIT) Srinagar, Ministry of Education, Government of India (Appointed for a term of 5 years)
May 2023 – Jan 2024	<b>Professor</b> , Department of Civil Engineering, National Institute of Technology ( <b>NIT</b> ), Srinagar, Jammu & Kashmir
January – September 2019:	<b>VICE-CHANCELLOR</b> , Dravidian University, Kuppam, A State University of Andhra Pradesh and the only Inter-state University in the Country (India)
Sept 2008 – February'10:	<b>Professor of Environmental Engineering</b> , Department of Civil Engineering, National Institute of Technology ( <b>NIT</b> ), Warangal, Andhra Pradesh
October 2007 – Sept 2008	Brain Pool <b>Professor of Environmental Engineering</b> , Department of Civil and Environmental Engineering, University of Ulsan, <b>South Korea</b>
April 2006 – Sept 2008:	<b>Associate Professor</b> of Environment and Development Policy, Indira Gandhi Institute of Development Research ( <b>IGIDR</b> ), Mumbai, INDIA
Dec 2005 – March 2006:	<b>Assistant Professor</b> of Environment and Development Policy, Indira Gandhi Institute of Development Research ( <b>IGIDR</b> ), Mumbai, INDIA
May 2004 – Nov 2005:	<b>Policy Researcher (Tenure Track)</b> , Urban Environmental Management group, Institute for Global Environmental Strategies ( <b>IGES</b> ), <b>Japan</b> (An institute funded by the Ministry of Environment, Government of Japan) – a regular and full time position equivalent to Associate Professor
Sept 2001 - April 2004:	<b>Assistant Professor</b> of Environment and Development Policy, Indira Gandhi Institute of Development Research ( <b>IGIDR</b> ), Mumbai, INDIA
May 1999 - August 2001:	<b>Visiting Assistant Professor</b> of Environment and Development Policy at the Indira Gandhi Institute of Development Research ( <b>IGIDR</b> ), Mumbai, INDIA – a full time and regular position
January 1996 - May 1999:	<b>Senior Research Fellow</b> (Ph.D.) at the Department of Civil Engineering, Indian Institute of Technology ( <b>IIT</b> ), <b>Kharagpur</b> , INDIA
July 1994 – December 1995:	<b>Junior Research Fellow</b> (M.Tech) at the Department of Ag. & Food Engineering, Indian Institute of Technology ( <b>IIT</b> ), <b>Kharagpur</b> , INDIA

## UNITED NATIONS EVALUATIONS/ASSESSMENTS/WORKS (13 ASSIGNMENTS)

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<b>Independent Evaluator</b>	Terminal Evaluation of the Project “Technical Support to the Department of Panchayati Raj, Government of Odisha to fast-track construction of Rural Houses” <b>UNDP</b> India (2022-23)
<b>Independent Evaluator</b>	Terminal Evaluation of the Project “Strengthening Nehru Yuva Kendra Sangathan and National Service Scheme”, UNDP/UNV India (2022-23)
<b>Independent Evaluator</b>	Mid Term Review of <b>Country Program Action Plan</b> (CPD 2018-22), <b>UNDP</b> India (along with Mr. Naimur and Ms. Bhavna Jaisingh) (2020)
<b>Independent Consultant</b>	Preparation of a full Project Proposal for the <b>GEF 7<sup>th</sup></b> Round on Sustainable Cities in India for <b>UNDP India</b> (October 2018 – February 2019)
<b>International MTR Consultant</b>	Mid-Term Review of Medical and Electronic Waste Management Project, <b>UNDP Egypt</b> (along with Dr. Ute Pieper) (September – November 2018)
<b>Independent Evaluator</b>	Terminal Evaluation of Sustainable Urban Transportation Project (SUTP) of <b>UNDP</b> India and MoUD (along with Mr. Roland Wang) (2016-17)
<b>Independent Evaluator</b>	Outcome Evaluation of <b>Country Program Action Plan</b> (CPAP 2012-17), <b>UNDP</b> India (along with Mr. Ian Holland and Mr. Sharma) (2016)
<b>Independent Evaluator</b>	Mid Term Review of <b>Country Program Action Plan</b> (CPAP 2012-17), <b>UNDP</b> India (along with Mr. Ian Holland) (2015-16)
<b>SDG Consultant</b>	UNDP- MoEF Partnership on SDG negotiations on Industrialization and Infrastructure, <b>UNDP</b> , India Office June-August (2014)
<b>SDG Consultant</b>	UNDP- MoEF Partnership on SDG negotiations on Sustainable Transport, <b>UNDP</b> , India Office July 2013 – February 2014
<b>Independent International Evaluator</b>	Terminal Evaluation of Male Declaration of United Nations Environment Program ( <b>UNEP</b> ) – Regional Resources Center for Asia and Pacific (RRC.AP), Thailand (Dec 2012 – Jan 2013)
<b>International Consultant</b>	Development of Sustainable Cities Award for Asia and the Pacific, United Nations Economic and Social Commission for Asian and the Pacific ( <b>UN-ESCAP</b> ), Bangkok during February 2008 – April 2008
<b>GEF Consultant</b>	Preparation of Full Sized GEF Proposal on Sustainable Mobility in India, United Nations Development Program ( <b>UNDP</b> ) India Office during Feb 2006 – October 2007



## OTHER SHORT TERM/CONSULTANCY/FELLOWSHIP/DEPUTATION BASED APPOINTMENTS

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<b>Visiting Professor</b>	<b>Asian Institute of Technology</b> (AIT), Thailand (Seconded by MHRD, Government of India (Jan – May 2018) – On deputation from IGDR
<b>Visiting Scholar</b>	Centre for Natural Resources Development and Protection, <b>New Jersey Institute of Technology</b> (NJIT), Newark, <b>USA</b> (2015)
<b>Visiting Professor</b>	Department of Civil and Environmental Engineering, <b>Cornel University</b> , Ithaca <b>USA</b> (2015) (Appointed but did not join)
<b>Visiting Fellow</b>	(Equivalent to Professor) Korean Institute of International Economic Policy ( <b>KIEP</b> ), Government of Korea, Seoul, <b>South Korea</b> (May-June 2014)
<b>Environmental Economist</b> (International Expert)	Supporting Implementation of Bangladesh Climate Change Strategy and Action Plan, AFC Consultants International and SSIL – An ADB Initiative (August 2013 – October 2014)
<b>Resource Person/Expert</b>	<b>UK - DFID</b> funded project “the Knowledge Partnership Programme (KPP) - managed by IPE Global in association with Action Aid India and GRM International (July 2013 – April 2014)
<b>Visiting Associate Professor</b>	Urban Environmental Management, School of Environment, Resources and Development (SERD), Asian Institute of Technology ( <b>AIT</b> ), Thailand Sept – Dec 2012 (Nominated and Deputed by the Government of India)
<b>NIES Fellow</b>	(Equivalent to Professor), Center for Global Environmental Research (CGER), National Institute for Environmental Studies ( <b>NIES</b> ), <b>Japan</b> Oct-Nov 2010
<b>Brain Korea Visiting Professor</b>	Center for Clean Technology and Resource Recycling, University of Ulsan, <b>South Korea</b> , December 2009
<b>Consultant</b> (IGES, Japan)	Urban Environmental Management group, Institute for Global Environmental Strategies ( <b>IGES</b> ), Japan (An institute funded by the Ministry of Environment, <b>Government of Japan</b> ) December 2003 - April 2005
<b>Foreign Guest Professor</b>	Under the prestigious BRAIN KOREA 21 Programme of South Korea, Department of Civil and Environmental Engineering, University of Ulsan, Ulsan, <b>South Korea</b> January 2007
<b>Guest Faculty</b>	Indian Institute of Forest Management, ( <b>IIFM</b> ), Bhopal, India during 2007, 2009, 2011; 2012; 2013; 2016 and 2017
<b>Research Fellow</b>	Energy Program, School of Environment Resources and Development, Asian Institute of Technology (AIT), Thailand (2002)
<b>Research Fellow</b>	Energy Program, School of Environment Resources and Development, Asian Institute of Technology (AIT), Thailand (2001)

**FELLOWSHIPS (EIGHTEEN – FOURTEEN INTERNATIONAL)**

1. International Visiting Scholar, Environmental Management Research Inst. (EMRI) National Institute of Advanced Industrial Science & Technology (**AIST**), Tsukuba, **Japan** (2020) – Cancelled due to the COVID Pandemic
2. International Fellowship, Visiting Fellowship Program of Korean Institute of International Economic Policy (KIEP), **Government of Korea** (May-June 2014)
3. International Invitation Fellowship, **UN-WIDER** on Climate Change and Sustainable Development, Helsinki, **Finland** (2012)
4. International Fellowship, **Global Carbon** Project (GCP), International Office in **Japan** – An International Urban and Carbon Management Initiative by Earth Systems Science Partnership (ESSP), Oct-Novr 2010
5. International Fellowship under **BRAIN KOREA** Programme of Government of Korea, University of Ulsan, South Korea, December 2009
6. International Fellowship, **Japan** Waste Research Foundation Invitation Fellowship Program for Research in Japan (2007-08)
7. International Fellowship and best paper award from Global Environment Facility (GEF) of the **World Bank** on Evaluating Climate Change and Development, Alexandria, **Egypt**, May 2008
8. International Fellowship from **Brain Pool Korea** Program (2007-08) KOREA
9. **Brain Korea** (BK-21) Guest Foreign Professor, Department of Civil and Environmental Engineering, University of Ulsan, Ulsan, Korea, January-February 2007
10. International Fellowship of **Swedish** International Development Cooperation Agency (Sida) at the School of Environment, Resources and Development, Asian Institute of Technology, Thailand (May-June 2002)
11. International Fellowship (Grant) from **UNEP-ROAP, Bangkok** to participate in Environmental Economics and Development Policy programme, World bank, Washington, D.C., USA
12. International Fellowship of **Swedish** International Development Cooperation Agency at the School of Environment, Resources and Development, Asian Institute of Technology, Thailand (Jan-May 2001)
13. Fellowship, IHDW, International Human Dimensions Programme on Global Environmental Change (IHDP), Bonn, **Germany**, 2000
14. International travel grant from the Department of Science and Technology, **Government of India** (2012)
15. **LEAD FELLOW**, Leadership in Environment and Development 1998-2000, Cohort 7, New Delhi, India
16. Institute scholarship from the Indian Institute of Technology (IIT), Kharagpur, West Bengal, India for graduate studies (Ph.D.) as per the regulations of **MHRD**, Govt. of India (1996-99)
17. International travel grant from the Department of Science and Technology, **Government of India** (2010)
18. **MHRD**, Govt. of India scholarship for qualifying in GATE (Graduate Aptitude Test for Engineers) for a period of 18 months (graduate studies - M.Tech.) (1994-95)

**ACADEMIC INVITATIONS** - ONE HUNDRED AND NINETY (190)**International Invitations:** Seventy nine (79)      **National Invitations:** One Hundred and Eleven (111)

- International Institutions
- National Institutions such as IITs, IIMs, CSIR institution; IIFM and NITs
- Development Agencies
- Corporates
- Universities
- Research Organizations and
- Intergovernmental Bodies and Various Ministries and Departments of Government of India

**CONFERENCES ATTENDED** — ONE HUNDRED AND THIRTY FIVE (135)

- International : Sixty One (61)
- National : Seventy Four (74)

**CONFERENCES/WORKSHOPS/FDPs ORGANIZED** — TWELVE (12)

- International : Six (6)
- National : Six (6)

**PUBLICATION RECORD (155)** h-index: **16**; i10-index: **24**; Citation: **1002**

• Papers in Refereed International Journal	48
• Books Published by International and National Publishers	7
• Chapters in Published Book	22
• Papers in Reputed Working/Discussion Papers	4
• International Reports	23
• Papers in <u>Refereed</u> International Conference Proceedings	32
• Papers in Refereed National Journals	5
• Papers in National Conference Proceedings	9
• Dissertations	6

**Note:** Detailed list is enclosed at the end**Total****156****PUBLISHED IN TOP RANKED JOURNALS SUCH AS**

- ASCE Journal of Environmental Engineering (#1 ranked journal)
- Environment and Development Economics (top ranked journal from Cambridge University Press)
- Transport Policy (Elsevier)
- Transportation Research: Part A (Elsevier)

## MEDIA ARTICLES AND COVERAGE

- Interviewed by SRF TV (An official television of Switzerland) on Plastic Ban in Maharashtra and its possibility in European Union (Aired on 20<sup>th</sup> December 2018 in Switzerland)
- Articles in The Hindu; The MINT; Hindustan Times; Deccan Chronicle; Free Press Journal; Business Line on various environmental issues such as electronic waste management, waste management, plastic ban, Odd-even scheme in Delhi, Sustainable Mobility etc.

## RESEARCH PROJECTS AND EXTERNAL FUNDING OBTAINED (43)

• Academic/Industrial Research Projects Funded by External Agencies/Government of India	7
• Industrial, Government and Development Consultancy Works	24
• Capacity Building/Training Programmes	2
• Academic Programmes/Workshops/Conferences	10
<b>Total</b>	<b>43</b>

Total Funding Amount is Rs.164.4 lakhs (365,333USD) and Funding Agencies include The World Bank; UNDP; UNEP; UN-FAO; UN-ESCAP; UNU; IGES, Japan; Tata-AIG; GEF; Sida; AIT, Thailand; British High Commission; DST-Government of India; IGIDR etc.

## RESEARCH SUPERVISION

Degree	Total	Completed	Ongoing
Doctoral (PhD)	3	2	1
M.Phil	3	2	1
Master (M.Tech, M.S)	12	12	0
Undergraduate	4	4	0
<b>Total</b>	<b>22</b>	<b>20</b>	<b>2</b>

## THESIS (POST-GRADUATION AND PHD) EVALUATION AS EXTERNAL EXAMINER

- Master's Theses of European Masters in Law and Economics under Erasmus Mundus Program
- PhD Theses submitted to Indian Institute of Technology (IIT), Delhi, India
- Master's Theses submitted to Indian Institute of Technology (IIT), Bombay, India
- PhD theses of Pondicherry University, Puducherry, India
- Master's Theses of National Institute of Technology (NIT), Warangal, India
- PhD Theses submitted to Indian Institute of Technology (IIT), Bombay, India
- PhD Theses submitted to Indian Institute of Technology (IIT), Indore, India
- PhD Theses submitted to University of Mumbai, Mumbai

## PROFESSIONAL MEMBERSHIPS (22)

- Fellow, Institute of Engineers (India)
- Member, American Society of Civil Engineering (ASCE), USA
- International Associate Member, Japan Society on Water Environment, Japan, Since 2014
- Associate Member, India International Center (IIC), New Delhi
- Member, South Asian Network For Development and Environmental Economics (SANDEE), The World Bank, Washington, D.C., USA
- Member, International Solid Waste Association (ISWA), Denmark
- Member, International Society for Ecological Economics, (ISEE) U.S.A.
- Member, Global Development Network (GDN), USA
- Member, Solid Waste Management Experts in Asia and the Pacific Island (SWAPI), Japan
- Member, Korean Society of Environmental Engineers, Seoul, South Korea
- Member, Amateur Astronomers Association (AAA), Mumbai
- Member of Editorial Board, "Current World Environment", an international journal published by CWE Journals published by Enviro Research Publishers
- Member, Scientific Board of Civil & Environmental Engineers, International Institute of Engineers
- Member of Technical Committee of Conference, International Academy of Arts, Science and Technology (IAAST) since February 2014
- Member, Administrative Staff College of India (Association), (ASCI), Hyderabad, India
- FELLOW, Leadership in Environment and Development (LEAD) 1998-2000, Cohort 7, India
- Member, International Environmental Law Research Centre, Châtelaine-Geneva Switzerland
- Member, Clean Air Initiative (CAI-ASIA), Manila, Philippines
- Student member of Indian Association of Environmental Management, NEERI, Nagpur, (97-98)
- Member of Delhi University Botanical Society (DUBS), Delhi, INDIA (1995-96)
- Member, Society for Prevention of Ecological and Environmental Degradation, Vizag, (1990-93)
- Member, "Civil Engineering Society" Indian Institute of Technology, Kharagpur, INDIA (1996-99)

## TWENTY FIVE YEARS OF EXPERIENCE IN UNIVERSITY & ACADEMIC ADMINISTRATION

- DIRECTOR, National Institute of Technology (NIT) Srinagar (5 years term) 2023-24
- VICE-CHANCELLOR, Dravidian University, Kuppam (State University of AP) 2019 (3 year term)
- Member, Board of Studies (BoS), Department of Civil Engg, NIT Warangal 2020 on wards
- Director, Asian Regional Research Program on Energy, Env & Climate 2002-2005 (3 years)
- Module In-charge (Environment), Roles of Agriculture – A Regional Research Initiative by United Nations Food and Agriculture Organization 2002-2003 (2 years)
- Court Member, Central University of Jharkhand, Ranchi 2014-2017 (3 years)
- Member, Executive Council (EC), IGIDR, Mumbai Since 2021
- Member, Board of Studies, Department of Civil Engg. NIT Warangal Since 2019
- Member of the Advisory Board, AIMS College of Engg, Mummidivaram, AP Since 2017
- Member, Academic Council (Parallel to Senate), IGIDR, Mumbai Since 2002
- Member, Institute Planning Board (Standing Committee), IGIDR Since 2010-19 (9 years)
- Member, Executive Council (EC), IGIDR, Mumbai 2017-2019 (2 years)
- Member, Faculty Recruitment Advisory Committee, IGIDR 2018-19
- Member, Institute Placement Committee, IGIDR, Mumbai 2018-19 (2 years)
- Member, IGIDR Publication Committee, IGIDR, Mumbai 2016-2019 (3 years)
- Member, Alumni Association Committee, IGIDR 2011- 19 (8 years)
- Member, CoRe (Conversations on Research), IGIDR 2018-19 (2 years)
- Member, Executive Council (EC), IGIDR, Mumbai 2013-15 (2 years)
- Member, Academic Senate, Department of Civil Engineering, NIT, Warangal 2008-2010 (2 years)
- Member, Academic Council, Civil Engineering Department, NIT Warangal 2008-2010 (2 years)
- Member, Academic Restructuring Committee, IGIDR, Mumbai 2013-15 (2 years)
- UG Research Coordinator, Department of Civil Engg, NIT Warangal 2008-2010 (2 years)
- Coordinator, Civil Engineering Association, NIT Warangal 2008-2010 (2 years)
- Coordinator, Departmental Graduate Research, CE Dept, NIT Warangal 2008-2010 (2 years)
- Coordinator, Departmental Seminars, Civil Engg Dept, NIT Warangal 2009-2010 (1 year)
- Coordinator, Graduate Application Scrutiny Committee, NIT Warangal 2009-2010 (1 year)
- Coordinator, Students' Newsletter, IGIDR, Mumbai 2006-07 (two years)
- Professor In-charge, Institute Quiz Committee, NIT Warangal 2008-10 (2 years)
- Member of General Council, Department of Civil Engg, NIT Warangal 2008-2010 (2 years)
- Member, Committee on IT Management of IGIDR, Mumbai 2001–03&06-07 (5 years)
- Member, Post-doctoral Fellowship Program of IGIDR, Mumbai 2011-13 (2 years)
- Member, Library Administration Committee, IGIDR, Mumbai 2010-2015 (5 years)
- Member, IGIDR Seminars Committee, IGIDR, Mumbai 2000-01& 11-17 (8 years)
- Member of Admission Committee, IGIDR, Mumbai 2000-17 (11 years)
- Member, Institute Transport Committee, IGIDR, Mumbai 2001-03 (Two years)

## TEACHING AND RESEARCH GUIDANCE FOR THE PAST 25 YEARS

TAUGHT THE UNDER-GRADUATE AND GRADUATE STUDENTS IN ENGINEERING STREAMS AT

- Urban Environmental Management, School of Environment, Resources and Development (SERD), Asian Institute of Technology (AIT), Thailand
- Department of Civil Engineering, Indian Institute of Technology (IIT), Kharagpur (as part of Teaching Assistantship)
- Department of Civil Engineering, National Institute of Technology (NIT), Warangal as a Full Professor of Environmental Engineering and Management
- Department of Civil and Environmental Engineering, University of Ulsan, Ulsan, South Korea as a Professor of Environmental Policy

TAUGHT THE UNDER-GRADUATE AND GRADUATE STUDENTS IN DEVELOPMENT STUDIES AND ECONOMICS AT

- Indira Gandhi Institute of Development Research (IGDR), Mumbai as a Regular Faculty
- Indian Institute of Forest Management (IIFM), Bhopal as a Guest Faculty
- Department of Economics, University of Mumbai

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**Taught for the last 23 years at AIT-Thailand; IIT; NIT-Warangal; University of Ulsan-South Korea; IGDR-Mumbai; IIFM-Bhopal**

### Courses Taught for Engineering Students

- Environmental Science (Compulsory for First year students of all Engg branches) 2008-09, 2009-10;
- Environmental Engineering (Compulsory for III Year B.Tech Students), 2009-10;
- Environmental Impact Assessment, 2008-09, 2009-10;
- Design and Practice of Water and Wastewater Systems, 1997, 1998;
- Environmental Engineering Laboratory, 1996, 1997, 1998, 1999; 2009, 2009, 2010;
- Estimation and Costing - Theory and practice, 1996;
- Engineering Drawing, 1996, 1997;
- Engineering Mechanics, 1997, 1998;
- Environmental Science and Technology for Decision Makers, 2012

### Courses Taught for Development Studies Graduates

- Tools for Advanced Environmental Management, 2003;
- Economics for Environmental Management and Multi-criteria Analysis, 2006;
- Environmental Technology and Management, 2002;
- Environmental Economics, 2002, 2003, 2006 and 2007;
- Environmental Finance, 2007;

- Environmental Management and Introductory Environmental Economics, 2007;
- Energy and Environment, 2002, 2003, 2006, 2007, 2008, 2010, 2011, 2013, 2014, 2015, 2016, 2017; 2018, 2020, 2021
- Advanced course in Energy and Environment - 2011, 2012, 2014; 2018, 2020
- Modeling in Ecology and Economic - 2009; 2011, 2012; 2016, 2017;
- Environmental Economics and Policy - 2015, 2016, 2017;
- Advance Topics in Environmental Economics and Policy - 2015, 2016, 2017, 2020.

ONLINE COURSES UNDER SWAYAM INITIATIVE OF MHRD, GOI (MUMBAI UNIVERSITY)

- Temporal Transformation of Environmental Issues;
- Environment, Economics and Development – An Introduction;
- Science of Sustainability – The Basic Constructs

## **EDITORIAL AND REVIEW WORKS**

### **Editor-in-Chief**

Indian Journal of Environment and Development Economics, ARF Publishers, India

### **Editor-in-Chief**

Akanksha, an official magazine of YSSG memorial trust, 2016 (ISSN: 2456-436X)

### **Editorial Advisory Board Member**

Handbook of Research on Climate Change on Health and Env Sustainability being edited by Soumyananda Dinda, IGI Global Publishers, USA

### **Editorial Board Member**

“Current World Environment”, an international journal published by CWE Journals published by Enviro Research Publishers

### **Editorial Board Member**

“The Open Transportation Journal” published by Bentham Science Publishers

### **Guest Editor**

Special Issue on “Environmental Implications of Urban Transportation in Asia”, International J. of Environment and Pollution, Inderscience Pubers, Switzerland (2007)

### **Guest Editor**

Special Issue on “Issues in Urban Environmental Management”, International J. of Environment and Pollution, Inderscience Publishers, Switzerland, (2003)

### **Editor**

Annual Report 1998-99, Indira Gandhi Institute of Development Research, Mumbai, India



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**Peer Reviewer for more than 40 International Journals from Major Publishers**

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**Reviewer for all major Journals in the Area of Environment**

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- Energy Policy; Journal of Air and Waste Management Association, USA; International Journal of Environment and Pollution; Journal of Environmental Management; International Review of Environmental Strategies; Transportation Research, Part A – Policy and Practice; Transportation Policy; International journal “Ecological Economics”; World Review of Entrepreneurship, Management and Sustainable Development; International Journal “Cities”; International Journal of Global Environmental Issues; IIMB Management Review; Computer, Environment and Urban Systems; International Journal of Sustainable Transportation; Omega; The International Journal of Management Science; International Journal of Environment and Waste Management (IJEWM); Waste Management; Waste Management and Research; The Open Transportation Journal, Bentham Science Publishers; Journal of Material Cycle and Waste Management; Journal of Industrial Ecology; Environment, Development and Sustainability; Journal of Public Health and Epidemiology; Journal of Social Science and Environmental Management; Sustainability Science; International Journal of Environment and Waste Management; Area Development Policy; Ecological Indicators; Journal of Air & Waste Management Association, East Asian Forum, Australia etc.

### **OFFICIAL REVIEWER FOR BOOK AND BOOK PROPOSALS**

- SAGE International Publishers
- SPRINGER International
- Routledge Publishers
- Oxford University Press

### **INTERNATIONAL PROJECT REVIEWER**

- International Peer Reviewer for the Netherlands Foundation for WOTRO Science for Science for Global Development (WOTRO), Netherlands
- Reviewer for Gandhian Young Technological Innovation (GYTI) Awards by Society for Research and Initiatives for Sustainable Technologies and Institutions

## HONOURS AND ACADEMIC RECOGNITION

- **Appointed as Visiting Professor**, Department of Civil and Environmental Engineering, **Cornell University**, Ithaca, New York, **USA** (2015)
- **Fellow**, Institute of Engineers (India)
- Member, **American Society** of Civil Engineers (**ASCE**), **USA** (2010)
- Invited Expert and **Key Note Speaker**, First **Asia and Pacific Mayor's Forum** on Sustainable Urban Infrastructure Development, Ulsan City, South Korea, 21-23 April 2008, UN-ESCAP and the City of Ulsan.
- **Presidential Address** at the Annual Meeting of **Korean Society** of Environmental Engineering, University of Ulsan, Ulsan, South Korea, May 2008.
- Appointed as **Editor-in-Chief** for the Indian Journal of Environment and Development Economics by ARF India (2020)
- Invited as an **Expert** at the UNDP's **Country Program Management Board** (CPMB) meeting, 19<sup>th</sup> January 2017, UNDP India Office, New Delhi
- Gave a Series of Invited Lectures/Talks at various Universities and Institutions of South Korea (2007-2008)
- **Expert** for the review of Corporate Social Responsibility Report-2011 of the Global Networking Equipment Corporate Giant – CISCO Systems Inc., San Jose, CA, USA, 2012
- Member, **India International Center** (IIC), New Delhi, India
- International Associate Member, **Japan Society** on Water Environment, Tokyo, Japan, Since 2014
- Ministry of Human Resources Development (**MHRD**), Government of India nominated Member of the Court of **Central University of Jharkhand**, Ranchi, India (**Member, Board of Governors**)
- **Rapporteur** for the session on "Action Plan for Future Activities", Kitakyushu Network Meeting of UN-ESCAP, Kitakyushu, Japan, 2-4 August, 2004 - a preparatory meeting for the **United Nations Ministerial Conference on Environment and Development** (UN-MCED), South Korea, March 2005
- Invited as **Discussant** for an Interactive talk by Ms. Kristalina Georgieva on "Multilateralism in a Protectionist World and Challenges for Green Infrastructure/Climate Finance", **CEO of the World Bank**, organized by Reserve Bank of India (RBI), 28<sup>th</sup> February 2017, RBI Convention Hall, Mumbai.
- **LEAD Fellow**, Leadership in Environment and Development, COHORT-7, India
- Invited as an **Expert** at the High Profile Interactive session on "Doing Business with Ecuador – The Gateway to Latin America" with the **Ambassador of Ecuador**, organized by World Trade Center, Mumbai, 19<sup>th</sup> December 2016
- Invited as an **Expert** at the Energy-Environment Group **Outcome Evaluation Board** meeting of UNDP, UNDP India Office, 25<sup>th</sup> November 2016
- **Presidential Address** (on the special invitation of the Present of the University) at GITAM University on

Environmental Protection – Changing Trends and the Present Day Needs at **GITAM University**, Visakhapatnam, India, on 15<sup>th</sup> July 2009.

- Member, Board of Studies (BoS), Department of Civil Engineering, NIT Warangal
- Member, World's **WHO IS WHO** published by Morquis, USA
- **Expert for the review** of the Working Group II contribution to the Fifth Assessment Report (AR5), Intergovernmental Panel on Climate Change (**IPCC**) – 2012-13
- **Editorial Board Member**, “The Open Transportation Journal” Bentham Open Since 2009
- **Member of the Advisory Board**, AIMS College of Engineering, Mummidivaram, Andhra Pradesh
- **Panel of Subject Experts** for Selections, Narotam Sekhsaria Foundation, Mumbai, India (2014)
- **Executive Committee Member** of International Conference on Water Environment and Technology (WET 2019), **Japan** (2019)
- Winner of a Fellowship by **UN-WIDER** and invited to make talk at the UNU-WIDER International Conference on Climate Change and Sustainable Development, Helsinki, **Finland** 28<sup>th</sup> September 2012
- Winner of Fellowship for Best Paper from Global Environment Facility (GEF) of the World Bank for the participation in the “International Workshop on Evaluating Climate Change and Development”, Alexandria, **Egypt**, 10-13 May 2008, organized by the Global Environment Facility of the World Bank
- Paper titled “Multi-criteria Approach for the Selection of Alternative Options for Delhi Transport System”, Transport Research, Part A – Policy and Practice, Vol. 37 (8), pp: 717 – 729 (2003) 4<sup>th</sup> most downloaded article from Elsevier’s TOP 25
- Paper titled “Environmentally Sustainable Urban Transportation – Comparative Analysis of Local Emission Mitigation Strategies vis-à-vis GHG Mitigation Strategies”, Transport Policy, Vol. 12, No. 3, pp: 245-254 (2005) 9<sup>th</sup> most downloaded article from Elsevier’s TOP 25
- Fast track Young Scientist Research Grant from the Department of Science and Technology (DST), Government of India (2001)
- **Editorial Board Member**, “Current World Environment”, an international journal published by CWE Journals published by Enviro Research Publishers
- **Member, Scientific Board** of Civil & Environmental Engineers, International Institute of Engineers
- **Appointed as Visiting Professor** by Asian Institute of Technology (**AIT**), Thailand for a period of January – May 2018 in the Department of Development and Sustainability in the School of Environment, Resources and Development.
- Nominated and Deputed by the Ministry of Human Resources Development (**MHRD**), Government of India to the Asian Institute of Technology (AIT), Thailand to teach and guide graduate students of AIT during August-December 2012 Semester
- International Peer Reviewer for the Netherlands Foundation for WOTRO Science for Science for Global Development, Netherlands

- **Executive Committee Member**, Water and Environmental WET Conference organized by Japan Society on Water Environment (JSWE), Ehime University, **Japan**, July 14-15, 2018
- **International Member** on the Executive Committee of Water and Environment (WET) Conference organized by **Japan Society on Water Environment (JSWE)** 2016 and 2017
- Book review panel member for **Routledge** India
- Book review panel member for **Springer** India
- Reviewer for Pedagogical Course on Solid Waste Management developed by NIT Warangal, Indian Institute of Technology, Kharagpur and Ministry of HRD, Government of India (2016)
- Book review panel member, **Sage** Publishers, New Delhi
- Book review panel member, **Oxford University Press**, New Delhi
- Book review panel member, **Springer**, New Delhi
- **Core Member** of the organization Team for the Workshop on **Mumbai Urban Observatory**, Organized by Mumbai Chamber of Commerce and Industries and RCUK-NIUA, 5-6 Dec 2016, Mumbai
- Member of the Conference Technical Committee Member, HYDRO-2019, An International Conference on Hydraulics, Water Resources and Coastal Engineering, 18-20 Dec 2019, Osmania University, Hyderabad
- Selected for the Secondment of faculty members by Government of India (MHRD) to teach “Introduction to Natural Resources Economics” at Asian Institute of Technology, Thailand, Jan-May 2018 semester.
- Reviewer for East Asian Forum, Australia
- Member, National Advisory Committee, National Conference in Geo-informatics in Water Management, Organized by SIES Indian Institute of Environmental Management, Nerul, Navi Mumbai, 1<sup>st</sup> Dec 2018.

## POLICY ADVICE, INSTITUTION BUILDING AND RESEARCH COORDINATION (25 YEARS)

- ❖ Member, District Level **Consent Committee** (CEO and CF) of Andhra Pradesh Pollution Control Board (**APPCB**), Warangal Regional Office (2009-10)
  - ❖ **Advisor** for the Warangal Municipal Corporation (Municipal Commissioner) on Environmental Management, particularly Municipal Solid Waste Management (Developed an initiated decentralized waste management plan which is being implemented) (2009-10)
  - ❖ Participated in the implementation of the Korean Policy Decision to convert Ulsan Industrial Parks into energy conserving Eco-Industrial Parks (EIP) (2007-08)
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## INSTITUTION BUILDING / ACADEMIC INNOVATIONS

- ❖ Introduced a new initiative titled “Brown Bag Seminar Series (BBSS)”, the National Institute of Technology, Warangal, India as a part of its Civil Engineering Association’s activities. It is a platform for the faculty, research staff and the students to present their research work and seek valuable feedback from fellow members. In the absence of such a platform for the past 50 years, it was a great success at NIT Warangal.
- ❖ As a Departmental Seminar Coordinator I had introduced a new methodology of conducting and evaluating “Seminar” class at National Institute of Technology (NIT), Warangal, India and it has received an outstanding rating from all students at NIT Warangal, India

## RESEARCH & PROJECT COORDINATION

- Organizing Member, CoRE Programme, IGIDR, 2019
- Organizing Member, CoRE Programme, IGIDR, 12-13 Nov 2018
- Core Member of the organization Team for the Workshop on Mumbai Urban Observatory, Organized by Mumbai Chamber of Commerce and Industries and RCUK-NIUA, 5-6 December 2016, Mumbai
- Coordinator, Silver Jubilee Conference on Cities and Sustainability, 29-30<sup>th</sup> October 2013, Indira Gandhi Institute of Development Research (IGIDR), Mumbai, India
- Chosen as Coordinator for the Center for Energy and Environment, a Project Proposed under a scheme of the Ministry of Human Resources Development (MHRD), Government of India (with a proposed budget of about Rs. 100 Million) - 2009
- Co-author for incremental cost analysis and the preparation for the development of a full scale GEF project proposal on *Cleaner Mobility in Urban Areas*, for the Ministry of Urban Development, Govt. of India and UNDP (2006-07)
- Project Director, Swedish International Development Coop. Agency (Sida) funded initiative on “Asian Regional Research Program on Energy, Environment and Climate, IGIDR (2002-06)
- Organizing Member, “Transformation and Reforms for Sustainability – Local Solutions for Global Change Urban Environment” A Special Session by the Urban Environmental Management group of IGES, JAPAN

at the International Open Science Meeting of International Human Dimensions Program (IHDP), Bonn, Germany 10-13 October 2005.

- Module In-charge, Module on *Environment*, Food and Agriculture Organization of the United Nations (FAO) Project “Socio-Economic Analysis and Policy Implications of the Roles of Agriculture in Developing Countries” – ‘Role of Agriculture’ in short, IGIDR (2002-03)
- Coordinator, Brainstorming/Inceptions Workshop on “Policies for the promotion of energy efficient and environmentally friendly technologies in urban transportation sector in India, 19<sup>th</sup> November, 2003, IGIDR, Mumbai, India
- Organizing Committee Member, Symposium on Energy, Environment and Sustainable Development, IGIDR, 6 – 7 July 2003.
- Team Leader for a industry consultancy project on *Socio-Economic Impact Assessment and Development of Relocation & Rehabilitation Plan for a Bauxite Mining and Alumina Refinery Unit at Lanjigarh*, Orissa, India funded by Tata AIG Risk Management Services Ltd., India (2001-02)
- Team Leader, Evolution of Environment in Mumbai, A Commission paper from Institute of Global Environmental Strategies (IGES), Japan (2002)
- Team Leader, A research project “Green House Gas (GHG) Emissions from Municipal Solid Waste (MSW): Estimation and Selection of Economically Feasible Abatement Methodology” funded by Department of Science and Technology, GoI under the scheme of “Fast track proposal for Young Scientists 2000-2001”
- Program Coordinator (Leader), EETCPN Environmental Economics Training Program for the Private Corporate Sector under The World Bank’s EERC Project (June/July, 2000)
- Program Coordinator, Environmental Economics Training Programme under the sponsorship of the World Bank’s Environmental Management Capacity Building Project, IGIDR, Mumbai (July 13-16, 2000)
- Organizing Committee Member for the session “Energy Policy Issues and Power Sector Reforms” and “Environmental Management: Local and Global issues” in the “International Symposium on Development Policies for the Next Millennium” being held at IGIDR in July’2000.

## IMPORTANT NATIONAL AND INTERNATIONAL RESPONSIBILITIES HELD IN THE PAST

- **Independent International Evaluator** for Malé Declaration on Control and Prevention of Air Pollution and Its Likely Trans-boundary Effects for South Asia, UNEP – RRC.AP (2012- 2013)
- **Professor In-Charge** for the Module of Environment under the project “Roles of Agriculture” a multi-national research initiative of the United Nations Food and Agriculture Organization (**UN-FAO**), Italy during 2001-2003, responsible for coordination and planning research module.
- **Sustainability Expert** for **Bloomberg**, global financial data & media Corporate Giant, New York, **USA** (2011)
- **Independent Evaluator** for Outcome Evaluation of CPAP (2012-17), **UNDP** India (2016)
- **Review and Wetting** of some components of National Communication to **UNFCCC** by Government of India, Ministry of Environment, Forests and Climate Change (2018)
- Panel Expert and **Advisor**, Union Public Service Commission (UPSC), Government of India
- **Climate Change Advisor**, Knowledge Partnership Program, IPE and Department of International Development (DFID), United Kingdom (2013)
- **Independent GEF Consultant to UNDP India** (2018-19)
- **Principal Investigator**, UK-India Joint Network on Sustainable Cities and Urbanization in India (2016)
- **Panel of Subject Experts** for Selections, Narottam Sekhsaria Foundation, Mumbai, India (2014)
- **Expert** for the review of the Working Group II contribution to the Fifth Assessment Report (AR5), Intergovernmental Panel on Climate Change (**IPCC**) (2013)
- **Coordinator**, IGIDR Silver Jubilee Conference on Cities and Sustainability (CCS), Indira Gandhi Institute of Development Research (IGIDR), Mumbai, India 29-30<sup>th</sup> October 2013
- **Senator** at National Institute of Technology (NIT), Warangal, Andhra Pradesh, India (September 2008 till February 2010, responsible for academic and developmental planning of the Institute
- **Journal Editor** (Guest Editor for Special Issues relating to Urban Environmental Management) for International Journal of Environment and Pollution, Inderscience Publishers, Switzerland since 2002
- International **Consultant** to **UNEP; UNDP; UNU; the World Bank; IGES; UN-ESCAP; GEF; UN-FAO; MoUD-Government of India**
- **Independent Evaluator** for Mid Term Review of the Country Programme (CPD) of UNDP 2018-22 cycle, **UNDP** India (2020)

- Independent Mid-Term Evaluator for UNDP-Egypt for the Bio-medical Waste Management of Egypt, **UNDP Egypt**, Sept-Nov 2018
- **Independent Evaluator** for Mid Term Review of CPAP (2012-17), **UNDP India** (2015)
- **Independent Terminal Evaluator** for Sustainable Urban Transport Project (SUTP) of **UNDP** (2016-17)
- **SDG Consultant** for Industrialization & Infrastructure Provision towards SDGs, **UNDP**, India 2014
- **SDG Consultant** for Indian Transport, **UNDP**, India Office, 2013 – 2014
- **International Consultant** on Sustainable Cities for **UN-ESCAP**, Bangkok for the development of framework for the Sustainability Awards for Cities in Asia and Pacific (2007-08)
- **GEF Consultant** for the Preparation of full GEF proposal on Sustainable Mobility in Indian Cities, **UNDP** and **Ministry of Urban Development**, Government of India (2006-07)

## SPECIALISATION AND EXPERTISE

- Civil and Environmental Engineering (Waste Management and Water Treatment)
- Sustainable Urban Systems
- Public Systems and Policy
- Sustainable Mobility
- Sustainable Cities and SDGs
- Impact Assessment of Development Initiatives
- Environmental Economics and Policy
- Sustainable Waste Management
- Climate Change Mitigation
- Programme Evaluation
- Circular Economy

## PERSONAL INFORMATION

- Date of Birth : 25<sup>th</sup> August 1971
- Nationality : Indian
- Age and Gender : 52 Years/ Male
- Marital Status : Married

## ANNEXURES

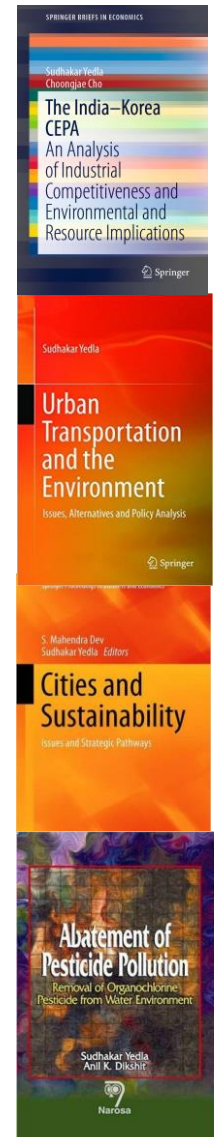
- List of Publications (p 24)
- List of Research Collaborators/Co-authors (p38)
- External Research Funding Obtained (p 39)
- Details of Student Research Guidance (p 43)
- List of Invitations (p 45)
- List of Conferences Attended (p 62)



## DETAILED LIST OF PUBLICATIONS (155 IN TOTAL)

### Books/Edited Volumes (6)

1. India-Korea CEPA: Analysis of Industrial Competitiveness and Environmental and Resources Implications, Springer Briefs Series, **Springer**; ISBN: 978-981-13-2927-2 (2019).
2. A single authored BOOK on “*Urban Transportation and the Environment: Issues, Alternatives and Policy Analysis*” published by **SPRINGER** (ISBN 978-81-322-2312-2 released in June 2015). It is published by Springer with no cost to the authors and with a lifetime royalty.
3. Edited BOOK on “*Cities and Sustainability – Issues and Strategic Pathways*” published by **SPRINGER** (ISBN 978-81-322-2309-2 released in June 2015) along with Prof. S. Mahendra Dev. It is published by Springer with no cost to the authors.
4. *Environmental Implications of Urban Transportation in Asian Cities* - Special Issues of International Journal of Environment and Pollution, Vol. 30, No.1 (2007) **Inderscience** Publishers, Switzerland – Edited Volume with Dr. Shobhakar Dhakal.
5. *Abatement of Pesticide Pollution – Removal of Organo-chlorine Pesticide from Water Environment*, Sudhakar Yedla and Anil K. Dikshit, **Narosa** Publishers, India (2004) – with life time royalty.
6. *Issues in Urban Environmental Management* - Special Issue of International Journal of Environment and Pollution, **Inderscience** publishers, Switzerland (2003) - Edited Volume.



### Book Chapters (22)

1. Sudhakar Yedla, “COVID 19, Lockdown and the Environment”, in “COVID 19, Climate Change and Environmental Governance” Ed. Medha Tapaiwala, Mumbai School of Economics and Public Policy, University of Mumbai, New Century Publications, New Delhi, ISBN: 978-81-7708-521-1 (2021)
2. Sudhakar Yedla, “Cities and Sustainability – An Overview” in “Cities and Sustainability” Eds. Sudhakar Yedla and S. Mahendra Dev, **Springer** (2015).
3. Sudhakar Yedla, “Transportation Planning: The Basic Constructs”, In *Urban Transportation and the Environment: Issues, Alternatives and Policy Analysis*”, **Springer**, pp: 1-8 (2015).
4. Sudhakar Yedla, “Urban Transportation Trends: An Overview”, In *Urban Transportation and the Environment: Issues, Alternatives and Policy Analysis*”, **Springer**, pp: 9-16 (2015).

5. Sudhakar Yedla, "Environmental Emissions from Road Transport and Ambient Air Quality", In *Urban Transportation and the Environment: Issues, Alternatives and Policy Analysis*", **Springer**, pp: 17-26 (2015).
6. Sudhakar Yedla, "Transport Service Provision: Environmental and Other Implications", In *Urban Transportation and the Environment: Issues, Alternatives and Policy Analysis*", **Springer**, pp: 29-38 (2015).
7. Sudhakar Yedla, "Alternative Measures and Their Assessment", In *Urban Transportation and the Environment: Issues, Alternatives and Policy Analysis*", **Springer**, pp: 39-43 (2015).
8. Sudhakar Yedla, "Non-motorized Modes of Transport", In *Urban Transportation and the Environment: Issues, Alternatives and Policy Analysis*", **Springer**, pp: 57-66 (2015).
9. Sudhakar Yedla, "Barriers for the Implementation of NMT and Other Cleaner Modes of Transport", In *Urban Transportation and the Environment: Issues, Alternatives and Policy Analysis*", **Springer**, pp: 69-84 (2015).
10. Sudhakar Yedla, "Policy Analysis for Sustainability", In *Urban Transportation and the Environment: Issues, Alternatives and Policy Analysis*", **Springer**, pp: 87-122 (2015).
11. Sudhakar Yedla, "Economic and Regulatory Measures for Environmentally Sustainable Urban Transportation", In *Urban Transportation and the Environment: Issues, Alternatives and Policy Analysis*", **Springer**, pp: 123-144 (2015).
12. Sudhakar Yedla, "Choosing Between Global Environmental Strategies Vis-a-Vis Local Mitigation Strategies: Application of Multi-criteria Analysis", In *Urban Transportation and the Environment: Issues, Alternatives and Policy Analysis*", **Springer**, pp: 147-158 (2015).
13. Sudhakar Yedla, "Transportation and Its Planning for Sustainability, for India Development Report -2015, **Oxford University Press**, pp: 301-320 (2015).
14. Sudhakar Yedla, "Provision of Civic and Environmental Services in the Urban Centres of India – Present Trends and the Way Forward", In: India Development Report 2012, Ed. S. Mahendra Dev, **Oxford University Press**, pp: 180-199 (2012).
15. Sudhakar Yedla, "Climate Change Mitigation Initiatives in Urban Transportation – Strategies to Promote Non-Motorized Modes of Transportation", Evaluating Climate Change and Development, Published by Global Environment Facility (**GEF**) Evaluation Office, The World Bank, Washington, D.C. (2010).
16. Sudhakar Yedla and Sowjanya Peddi, "Agriculture and Environment", In *The Handbook of Agriculture in India*, (Ed. Shovan Ray) **Oxford University Press**, India (2007).
17. Sudhakar Yedla, "Non-motorized Modes of Transportation for Sustainable Mobility: Strategies for its Adaptation in Mumbai, India", in *Air Pollution Control in the Transportation Sector: Third Phase Research*

Report of the Urban Environmental Management Project (Chapter 4), Institute for Global Environmental Strategies (IGES), Japan (March 2007).

18. Hiroaki Shirkawa and Sudhakar Yedla, "Economic Development, Urbanization and Environment in Asia" Chapter 1 in "Urban Environmental Challenges in Asia", Institute for Global Environmental Strategies, Japan (March 2005).
19. Mara Regina Mendes, Mushtaq Ahmed Memon and Sudhakar Yedla, "Challenges and Issues for Urban Environmental Management in Asia", Chapter 2 in "Urban Environmental Challenges in Asia", Institute for Global Environmental Strategies, Japan (March 2005).
20. Sudhakar Yedla, Transportation Trends, Alternatives and Policy Issues, India Development Report 2004-05, **Oxford University Press**, Eds. Radhakrishna and Parikh (2004).
21. Sudhakar Yedla, "Sustainability Approach to Waste Management - A Case of Modified Design for Landfills", "Advances in Civil Engineering (ACE 2002), Allied Publishers, Bandyopadhyay and Kumar (Ed.) Vol. I, pp. 598 (2002).
22. Sudhakar Yedla, "Solid Waste Management Accounts", Chapter 5 in "Accounting for Environmental Degradation: A Case Study of India", Ed. Parikh, J.K. and Parikh, K.S. **UNU/IAS**, Japan (2000).

#### **Published in International Peer Reviewed Journals (48)**

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3. *Abatement of Endosulfan Pollution from Water Environment using Indigenous Wood Charcoal (Ph.D. Dissertation) – 1999.*
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9. Sudhakar Yedla, Dikshit A.K., Banerjee, G., "Pesticide Pollution: Endosulfan in water environment and its removal", National Seminar on Environmental Protection - Recent trends in wastewater treatment, EPTRI, Hyderabad, 19 - 20 January 1998.

10. Sudhakar Yedla, "Potentiality of water hyacinth (*Eichornia crassipes*) to remove BOD in continuous flow system" (Abstract), National seminar on Environmental Conservation and Management, (ECOMAN), March 1996, Visakhapatnam, India.
11. Sudhakar Yedla, Banerjee G., Dikshit A.K., "The other side of controversial aquaculture", (Abstract), National seminar on Environmental Conservation and Management (ECOMAN), March 1996, Visakhapatnam, India.
12. Sudhakar Yedla, "Aquaculture", 'The Botanica', Magazine of Delhi University Botanical Society (DUBS), Vol.45, 1995, New Delhi.
13. Sudhakar Yedla, "Aquaculture - Safe guarding for endangered aquatic species" (abstract published), National seminar on Environment, Biodiversity and Conservation, August 1995, Rani Durgavathi University, Jabalpur, India.
14. Sudhakar Yedla, "Over exploitation of aquatic resources - Role of aquaculture as a remedy" (abstract published), National seminar on Conservation and Development in Tropics, March 1995, Banaras Hindu University, Varanasi, India.

## List of Co-Authors

### International

1. Prof. Hung Suck Park, University of Ulsan, South Korea
2. Prof. Ram Manohar Shrestha, Professor, Asian Institute of Technology, Thailand
3. Prof. Nazrul Islam, Asian Institute of Technology, Thailand
4. Prof. Kim Oahn, Asian Institute of Technology, Thailand
5. Prof. Shobhakar Dhakal, Professor, Asian Institute of Technology, Thailand
6. Prof. Hideo Imura, Professor, University of Nagoya
7. Dr. Mara Mendes, Researcher, Institute for Global Environmental Strategies (IGES), Japan
8. Dr. Mushtaq Ahmad Memon, UNEP, Japan
9. Dr. Hiroaki Shirakawa, Researcher, Institute for Global Environmental Strategies (IGES), Japan
10. Dr. Sushil Adhikari, Asian Institute of Technology, Thailand
11. Dr. Gabriel Anandaraj, Asian Institute of Technology, Thailand
12. Dr. Ute Pieper, Researcher, Germany
13. Mr. Ian Holland, Researcher, UNDP
14. Mr. Roland Wang, Researcher, UNDP

### National

15. Prof. A.K. Dikshit, Professor, IIT Bombay
16. Prof. Anurabha Mitra, Professor, IIT Kharagpur
17. Prof. Manas Bandyopadhyay, Professor, IIT Kharagpur
18. Prof. Gautham Banerjee, Professor, IIT Kharagpur
19. Prof. S. Mahendra Dev, Director, Indira Gandhi Institute of Development Research, Mumbai
20. Prof. Jyoti Parikh, Professor, Indira Gandhi Institute of Development Research, Mumbai
21. Prof. Kirit Parikh, Professor and Director, Indira Gandhi Institute of Development Research, Mumbai
22. Prof. Anjana Das, Professor, Indira Gandhi Institute of Development Research, Mumbai
23. Prof. Medha Tapiawala, Professor, Mumbai School of Economics and Public Finance, Mumbai
24. Dr. Sandhya Garg, Researcher, Indira Gandhi Institute of Development Research, Mumbai
25. Dr. Leena Bhattacharya, Researcher, Indira Gandhi Institute of Development Research, Mumbai
26. Dr. Shika Juyal, Research Officer, NITI Ayog, Government of India
27. Dr. Sarika Rathi, Researcher, Indira Gandhi Institute of Development Research, Mumbai
28. Dr. Pradeep Sharma, Professor, NIUA, Delhi
29. Ms. Bhavna Jaisingh, Researcher
30. Dr. Sowjanya Peddi, Researcher, Indira Gandhi Institute of Development Research, Mumbai
31. Ms. N.T. Sindhu, Engineer, KIDCO, Kerala
32. Mr. Krishna Chaitanya, CDM Officer, Wilbur Smith
33. Mr. Jalal, Md. Jahid Ebn, Researcher, Indira Gandhi Institute of Development Research, Mumbai
34. Ms. Gunpreesh Kaur, Indira Gandhi Institute of Development Research, Mumbai
35. Mr. Naimur Rehman, Researcher

## DETAILS OF EXTERNAL RESEARCH FUNDING (FORTY TWO)

### INDUSTRY-OR GOVERNMENT SPONSORED R&D PROJECTS (7)

- Issues and Strategies Required for EIP Implementation in Ulsan, South Korea - Identified Based on Multi-actor Group Questionnaire Survey (2009) –Funded by BRAINPOOL Programme, Government of Korea - Sudhakar Yedla and Hung-Suck Park, Ulsan EIP Center, University of Ulsan, South Korea.  
Responsibility : Lead Author
- Book Writing Proposal on “*URBAN TRANSPORTATION AND ITS IMPACT ON THE ENVIRONMENT – Issues, Alternatives and Policy Analysis*”, Funded by IGIDR and Published by Narosa Publishers, India – Funds drawn from research projects funded by Sida.  
Responsibility : Project Leader and Author
- Scoping Paper for the Establishment of a UNESCAP Eco-City Development Award (2008), A consultancy project funded by ESD Division of UN-ESCAP, Bangkok  
Responsibility : Lead Author
- Strategies for promotion of energy efficient and emission reduction technologies in urban transport sector in selected Asian countries – A multinational research project funded by Swedish International Development Cooperation Agency (Sida) under the scheme of Asia Regional Research Programme on Energy, Environment and Climate Change Phase II (ARRPEEC Phase III) – *Work involved Air quality modeling from non-point sources*  
Responsibility : Project Director (leader) (2002-2007)
- *Analysis of technological alternatives for mitigating environmental emissions from the urban transport system in selected Asian countries* – A multinational research project funded by Swedish International Development Cooperation Agency (Sida) under the scheme of *Asia Regional Research Programme on Energy, Environment and Climate Change Phase II (ARRPEEC Phase II)*  
Responsibility : Project Investigator (1998-2001)
- “Socio-Economic Analysis and Policy Implications of the Roles of Agriculture in Developing Countries” – ‘Role of Agriculture’ in short, funded by Food and Agriculture Organization of the United Nations (FAO)  
Responsibility : In-charge for the Module on Environment (leader) (2002-2003)
- “Green House Gas (GHG) Emissions from Municipal Solid Waste (MSW): Estimation and Selection of Economically Feasible Abatement Methodology” funded by Department of Science and Technology (DST), Government of India under the scheme of “Fast track proposal for Young Scientists 2000-2001”  
Responsibility : Principal Investigator (leader) (2001-2003)

### CAPACITY BUILDING / TRAINING PROGRAMMES (2)

- EETCPN Environmental Economics Training Program for the Private Corporate Sector under The World Bank’s EERC Project  
Responsibility : Program Coordinator (leader) (June/July, 2000)



- Environmental Economics Training Programme under the sponsorship of the World Bank's Environmental Management Capacity Building Project, held at IGIDR, Mumbai  
Responsibility : Program Coordinator (leader) (July 13-16, 2000)

#### ACADEMIC PROGRAMMES/CONFERENCES/WORKSHOPS (10)

- Chairman of a Session and Organizing Member, The 4<sup>th</sup> PhD Colloquium (CoRe), Indira Gandhi Institute of Development Research (IGIDR), Mumbai. November 5-8, 2019.
- Organizing Member, The 4<sup>th</sup> PhD Colloquium (CoRe), Indira Gandhi Institute of Development Research (IGIDR), Mumbai, 12-13 Nov 2018
- Co-organizer for the workshop on Mumbai Urban Observatory, organized under the UK-India Joint Network on Sustainable Cities and Funded by Research Council UK. This workshop was actively supported by IGIDR, TISS, IIPS and IIT Mumbai (5-6 December 2016)
- Coordinator, IGIDR Silver Jubilee Conference on Energy and Environment – “Cities and Sustainability”, 29-30 October 2013, IGIDR, Mumbai
- Organizing Committee Member, International Conference on Economic Instruments for Water Resources Management to be held on 9-10 January 2009 by IGIDR, Mumbai, India
- Organizing Committee Member, “How to Bring the Global Concerns into Urban Context”, Organized by the Urban Environmental Management group of IGES, JAPAN at the International Open Science Meeting of International Human Dimensions Program (IHDP), Bonn, Germany 10-13 October 2005
- Organized a Brainstorming/Inceptions Workshop on “Policies for the promotion of energy efficient and environmentally friendly technologies in urban transportation sector in India, 19<sup>th</sup> November, 2003, IGIDR, Mumbai, India
- Organizing Committee Member, Symposium on Energy, Environment and Sustainable Development, IGIDR, 6 – 7 July 2003.
- Organizing Committee Member, Inception workshop of Role of Agriculture (ROA) project funded by Food and Agriculture Organization of United Nations (FAO), IGIDR, Mumbai, India, 21-22 September 2002.
- Organizing Committee Member for the session “Energy Policy Issues and Power Sector Reforms” and “Environmental Management: Local and Global issues” in the “International Symposium on Development Policies for the Next Millennium” being held at IGIDR in July’00.

#### INDUSTRY-OR GOVERNMENT-SPONSORED CONSULTING ASSIGNMENTS (24)

- Mid Term Review (MTR) of Country Programme Action Plan (2018-22), UNDP India along with Bhavna Jaisingh and Naimur Rahman (2020)  
Responsibility : Individual Consultant

- Preparation of GEF proposal on Sustainable Cities under 7<sup>th</sup> Programming Cycle, UNDP India (2018-19)  
Responsibility : Individual Consultant
- Mid-Term Review of Hospital Waste and E-Waste Management Programme in Egypt (2018)  
Responsibility : Individual International Consultant
- Terminal Evaluation of a GEF Project “Sustainable Urban Transportation Project (SUTP), UNDP India Office (2016-17) by Sudhakar Yedla and Roland Wang (2017)  
Responsibility : Individual Consultant
- Review of Pedagogical Course on Solid Waste Management developed by NIT Warangal (2017)  
Responsibility : Lead Expert
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- “Mid Term Review of the Country Program Action Plan (CPAP) 2013-17” for UNDP-India, (along with Ian Holland), UNDP India Office, Delhi (2015).  
Responsibility : National Consultant
- Ground Water Modeling Study for the Green Line Metro Network of Doha, Sultanate of Oman, for KPB Consultants, Abu Dhabi, Dec 2017 – Sudhakar Yedla and Ajal Patel. (2017)  
Responsibility : Lead Consultant
- “Terminal Outcome Evaluation of the Country Program Action Plan (CPAP) 2013-17” for UNDP-India, Submitted to UNDP India Office, Delhi (2016) by Ian Holland, Pradeep Sharma and Sudhakar Yedla. (2016)  
Responsibility : Individual Consultant
- Review of a book titled “Handbook of Environmental and Natural Resources Law in India” from Oxford University Press (2020)  
Responsibility : Reviewer
- Independent evaluator for the Sustainable Urban Transportation Program (SUTP) of UNDP India Office, Delhi (2017)  
Responsibility : National Consultant
- Review of a book titled “Contemporary Issues in Sustainable Development: An Interdisciplinary Approach”, Routledge Publishers (2016)  
Responsibility : Reviewer
- Review of Pedagogical Course on Solid Waste Management developed by National Institute of Technology (NIT) Warangal, Indian Institute of Technology IIT-Kharagpur and Ministry of Human Resource Development, Government of India  
Responsibility: Reviewer
- “Outcome Evaluation of the Country Program Action Plan (CPAP) 2013-17” for UNDP-India, (along with Ian Holland and Pradeep Sharma), UNDP India Office, Delhi (2016).  
Responsibility : National consultant

- “Mid Term Review of the Country Program Action Plan (CPAP) 2013-17” for UNDP-India, (along with Ian Holland), UNDP India Office, Delhi (2015).  
Responsibility : National Consultant
- *Development of Analytical Paper on Sustainable Industrialization and Provision of Infrastructure in India to help Government of India on International negotiations for SDGs, UNDP, India office*  
Responsibility : Lead Consultant (June 2014 – August 2014)
- Evaluation of Malé Declaration on Control and Prevention of Air Pollution and Its Likely Trans-boundary Effects for South Asia (An inter-governmental agreement Implemented by SACEP), UNEP – RRC.AP  
Responsibility : Independent Evaluator (December 2012-April 2013)
- *Design of a project to conduct Macro-Economic Impacts Assessment of Climate Change for Bangladesh (Mini Stern Report) under the Asian Development Banks (ADB) Technical Assistance Project - Strengthening the Implementation of Climate Change Action Plan for Bangladesh.*  
Responsibility : International Consultant (Environmental Economist) August 2013-Oct 2014
- *Development of Analytical Paper on Sustainable Transportation and Sustainable Development Goals (SDGs) in India to help Government of India on International negotiations for SDGs, UNDP, India office*  
Responsibility : Lead Consultant (June 2013 – January 2014)
- *Design and Development of Hazardous Landfill Site for Bhilai Steel Plant, Raipur, India for HMR Environmental Consultants, Dubai and Bhilai Steel Plant (BSP), Raipur, India*  
Responsibility : Team Leader (March 2012 – till date)
- *Design and Development of Garraf Sanitary Landfill in Iraq, for HMR Environmental Engineering Consultants, Sultanate of Oman*  
Responsibility : Team Leader (Dec 2011 – March 2012)
- Development of Framework for the Award of Sustainable City Award for UNESCAP, Bangkok (2008)  
Responsibility : International Consultant
- *Cleaner Mobility in Urban Areas, Incremental cost analysis and Development of full project proposal for GEF, for the Ministry of Urban Development, Govt. of India and UNDP*  
Responsibility : Incremental cost expert/consultant (February 2006 –March 2007)
- *Socio-Economic Impact Assessment and Development of Relocation & Rehabilitation Plan for a Bauxite Mining and Alumina Refinery Unit at Lanjigarh, Orissa, India funded by Tata AIG Risk Management Services Ltd., India*  
Responsibility : Project Coordinator (leader) (2001-2002)
- Evolution of Environment in Mumbai, A Commission paper from Institute of Global Environmental Strategies (IGES), Japan  
Responsibility : Lead Author (leader) (2002)

## **DETAILS OF STUDENT GUIDANCE (23 STUDENTS)**

### PHD SUPERVISION (4)

1. Ph.D. thesis “Analysis of Some Environmental Problems in India: Case Studies from Rural and Urban Areas” submitted by Ms. Sarika Kansal to Indira Gandhi Institute of Development Research (IGIDR), Mumbai, India (2006) - Thesis defended and degree awarded
2. Ph.D thesis on Essays in Equitable Transportation, submitted by Ms. Shikha Juyal to Indira Gandhi Institute of Development Research, Mumbai, India (2010 – 2017) – Thesis defended and degree awarded
3. Ph.D student (Mr. Hardeep Singh) working on “Decarbonization of Indian Railways”, Indira Gandhi Institute of Development Research (IGIDR), Mumbai, India (2017- till date)
4. PhD student (Mr. Vikas Chaudhuri) working on “Energy Prices, Energy Productivity and their Determinants – An Empirical Investigation on India (on going since 2020)

### M.PHIL. THESIS (3)

1. Mr. Shreyansh Vishwakarma, M.Phil student working on Climate Change and Migration, Indira Gandhi Institute of Development Research (IGID), Mumbai (2019-21)
2. Mr. Rajashekhar, M.Phil student working on “National Urban Renewal Missions in India – Performance Evaluation of Major Urban Centers” submitted to Indira Gandhi Institute of Development Research (IGIDR), Mumbai, India (2017-2018)
3. Mr. Vikas Choudhury, M.Phil student working on “Measurement of Investment Efficiency in New Renewable Energy Sources adopting Data Envelope Analysis (DEA) (2017-18) –Indira Gandhi Institute of Development Research (IGIDR), Mumbai, India Thesis defended and Degree Awarded.

### POST GRADUATE STUDENT SUPERVISION (8)

1. Ashutosh Taluja, M.Sc thesis, Indira Gandhi Institute of Development Research (IGIDR), Mumbai (2021).
2. Anirban Sengupta, M.Sc thesis on Assessment of Carbon Storage Potential of Urban Forest in Navi Mumbai and Its Role in Net Vehicular Emission Reduction, Thesis submitted to the University of Mumbai – Garware Institute of Career Education and Development, 2019.
3. Mohana B Naidu, M.Sc thesis on Assessment of Provisioning Ecosystem Services from Forest of Mumbai Metropolitan Region and Its Role in the Management of Urban Sustainability, Thesis submitted to the University of Mumbai – Garware Institute of Career Education and Development, 2019.
4. Gagan Goyal, Dynamics of Co-benefits of Metro Systems in Urban Transportation in Indian Cities, January – May 2015.

5. Soumyaditya Paul, Mapping of Cities for Climate Change Vulnerability, January – May 2015.
6. Krishna Chaitanya, M.Tech Thesis on Removal of Chromium from Water Environment using Low Cost Adsorbents, submitted to Division of Water Resources and Environmental Engineering, Department of Civil Engineering, National Institute of Technology (NIT) Warangal (2008-09) - Awarded as an outstanding thesis.
7. Post Graduate thesis (M.Sc) by Nirupam Dutta on Micro-credit and CDM, IGIDR, (2007).
8. Post-graduate (M.S) thesis “GHG mitigation potential of various MSW disposal options for Mumbai, India” submitted by Ms. Sindhu to Cochin University of Science and Technology, (2003) – Awarded as an Outstanding thesis of the batch.

#### INTERNATIONAL MASTER’S STUDENTS SUPERVISION (4)

1. Eva Villardon Grande, Post-graduate (Master of Law and Economics under reputed ERASMOS-MUNDUS programme of European Union) thesis on Towards a Circular Economy: The Importance of Adopting Efficient Waste Management Systems (2018) – Thesis defended and degree awarded.
2. Mr. Md Jahid Ebn Jalal, Post graduate (M.S) thesis on “Does Climate Change Stimulate Income Vulnerability and Income Diversity of Households? Evidence from Southern Part of Bangladesh” (2017) - Thesis defended and degree awarded.
3. Christoph Rumpler, Post-graduate (Master of Law and Economics under reputed ERASMOS-MUNDUS programme of European Union) thesis on Wildlife Conservation in India – Strategies for a Stakeholder-Inclusive Protected Area Management (2015) - Thesis defended and degree awarded.
4. Alex Rafalowicz, Post-graduate (Master of Law and Economics under reputed ERASMOS-MUNDUS programme of European Union) thesis on Climate Debt – A Developing Country Perspective of Climate Change (2011) - Thesis defended and degree awarded.

#### UNDERGRADUATE STUDENT SUPERVISED (4)

1. K. Krishna Kanth – Graduate Student, Division of Water Resources and Environmental Engineering, Department of Civil Engineering, National Institute of Technology (NIT), Warangal, 2009-10.
2. S. Nageswara Reddy - Graduate Student, Division of Water Resources and Environmental Engineering, Department of Civil Engineering, NIT, Warangal, 2009-10.
3. Vivek Kumar Singh - Graduate Student, Division of Water Resources and Environmental Engineering, Department of Civil Engg, NIT, Warangal, 2009-10.
4. Sandeep Kumar Mahapatra - Graduate Student, Division of Water Resources and Environmental Engineering, Department of Civil Engineering, NIT, Warangal, 2009-10.

**TOTAL INVITATION – ONE HUNDRED AND NINETY (190)**  
**INTERNATIONAL INVITATIONS (SEVENTY NINE)**

1. Reviewed a Book proposal “Handbook of Environmental and Natural Resources Law in India” from Oxford University Press (2020)
2. Invited as a Special Invitee at the Planning Board Meeting of UNDP, New Delhi, 5<sup>th</sup> November 2020
3. Invited to Review the book “Planning for the Largest Human Gathering on Planet Earth – A Case of Kumbh Mela, Simhastha-2016 in Ujjain” for Springer Publisher
4. Invited to review the Book proposal on “Smart Cities and the Poor: Towards an Agenda for Inclusive Urbanisation in India” for Springer International
5. Invited to Review of a Book “Challenges to Economic Development: Insights for India” for Springer Nature
6. Invited to review of a Book “Hybrid Electric Vehicles with Energy-Efficient Ecological Transport Systems” for Bentham Science Publishers
7. Invited as an expert to deliver a lecture on “E-Waste Management in India: Issues, Challenges and Policy Responses” on February 26, 2019 at the Annual winter school for the year 2019 on “Sustainable Waste Management: Solid Waste and E-Waste”, Organized by Indo-German Center for Sustainability (IGCS) Indian Institute of Technology (IIT), Madras, India, February 23 - March 8, 2019
8. Invited as International Associate Member, Japan Society on Water Environment, Tokyo, Japan (2019-20)
9. Invited as an International Member on the Executive Committee of Water and Environment (WET) Conference, 13-14 July 2019 organized by Japan Society on Water Environment (JSWE) 2019
10. Invited to participate as an expert at the report release workshop on the “Economic Benefits of Bangladesh - India Power Trade” to promote South Asia Electricity Trade, 11th January 2018, Hotel The Royal Plaza, New Delhi, IRADE, Delhi.
11. Invited as an Expert for a **Meeting on ‘Addressing Water issues at all level (Households, Agriculture, Industry and Government)’** by Ms. Meena Sankaran, Founder & CEO, Ketos Inc (USA). 29<sup>th</sup> **August 2017**, jointly organized by the World Trade Centre (WTC) Mumbai and All India Association of Industries (AIAI)
12. Invited Expert at the International Conference on "Future of Cities: Opportunities and Challenges", Institute for Town Planners, India, Delhi, 27-28<sup>th</sup> July 2017, to deliver an invited lecture on “Retrofitting Transport-Infrastructure Projects for Climate Adaptation – Incremental Analysis of Non-Motorized Modes” in the Session on “Climate Change, Risk and Resilient Cities”
13. Invited as an Expert at the National Consultation on Urban Observatories of the UK-India Joint Network on Sustainable Cities and Urbanization in India, 28<sup>th</sup> April 2017, Organized by RCUK and NIUA, At India Habitat Center, Delhi

14. Invited as an Expert for the workshop on the Launch of Regional Studies Association, India Division, 28<sup>th</sup> April 2017, Organized jointly by NIUA and RSC at India, India Habitat Center, Delhi
15. Invited as an expert and Discussant for an Interactive talk by Ms. Kristalina Georgieva on “Multilateralism in a Protectionist World and Challenges for Green Infrastructure/Climate Finance”, CEO of the World Bank, organized by Reserve Bank of India (RBI), 28<sup>th</sup> February 2017, RBI Convention Hall, Mumbai
16. Invited as an expert at the UNDP’s Country Program Management Board (CPMB) meeting, 19<sup>th</sup> January 2017, UNDP India Office, New Delhi
17. Invited as an **Expert** at the Interactive session on “Doing Business with Ecuador – The Gateway to Latin America” with the Ambassador of Ecuador, organized by World Trade Center, Mumbai, 19<sup>th</sup> Dec 2016
18. Invited expert at the Energy-Environment group outcome evaluation board meeting, UNDP India Office, 25<sup>th</sup> November 2016
19. Invited expert at the workshop on Mumbai Urban Observatory organized by Mumbai Chambers of Commerce and Industries and Research Council of UK, 5-6 December 2016, Mumbai.
20. Invited expert and principal investigator at the Kick off workshop of UK-India Joint Network on Sustainable Cities and Urbanization in India, 26-27 Sept 2016, Delhi
21. Invited as International examiner for a Master Thesis of Erasmus Mundus European Master’s in Law and Economics (EMLE) Program – Thesis titled “Building a Global Market: Linking the European Emissions Trading Scheme with the California Emissions Trading Scheme” by Sönne Johannes Schumacher (2015)
22. Invited to deliver an expert lecture on “Economic Development and Infrastructure in India at the Times of Global Negotiations for SDGs” at Hangekuk University of Foreign Studies, Seoul Republic of Korea, 28<sup>th</sup> May 2014
23. Invited to deliver an expert lecture on “Economic Development and Societal Transformation - Why are the Issues in Asian Cities Unique?” at Korean Institute for International Economic Policy (KIEP), Seoul, Republic of Korea, 30<sup>th</sup> May 2014
24. Invited to deliver an expert lecture on “Economic Development and Sustainability - Means to Integrate Sustainability into Economic Development” at The Graduate School of International Studies (GSIS), Sogang University, Seoul, Korean Republic, 3<sup>rd</sup> June 2014
25. Delivered a Fellowship lecture on “India - Korea CEPA: Analysis of Industrial Competitiveness and Environmental Implications” at Korean Institute for International Economic Policy (KIEP), Seoul, Republic of Korea, 5<sup>th</sup> June 2014
26. Invited as Climate Change Expert, the Technical Working Group Meeting on Climate Change, Resource Scarcity and Food Security, Knowledge Partnership Program (KPP), IPE and DFID ,UK, at **DFID-British High Commission**, New Delhi, 18<sup>th</sup> January 2013.

27. Invited Expert, 9<sup>th</sup> Refresher Training Programme, Malé Declaration on Control and Prevention of Air Pollution and Its Likely Trans-boundary Effects for South Asia – **UNEP-RRC.AP, Bangkok**, CPCB, India, Delhi 10-12 December 2012
28. Invited Speaker at the UNU-WIDER International Conference on Climate Change and Sustainable Development, Helsinki, **Finland** 28-29<sup>th</sup> September 2012
29. Invited International Expert for the Review of SCR (Social Corporate Responsibility) Report 2011, **CISCO Systems Inc.**, 170, West Tasman, CA 95134 **USA**
30. Invited International Expert, International Workshop on Water-Energy-Carbon Nexus in Mega Cities, Organized by Global Carbon Project (GCP) – **National Institute of Environmental Studies (NIES) Japan**, Tokyo Garden Palace, Tokyo, Japan, 1-3 March 2012
31. Invited lecture on “Landfill Design Aspects” at the International Corporate “**HMR Environmental Consultants** – Sultanate of Oman”, **Dubai**, UAE 26-27 Mar’12
32. Invited lecture at Bloomberg data Services (India) Ltd., on “Managing Waste in Developing Countries – Philosophies to Problem Solving” on 1<sup>st</sup> Dec 2011, **Bloomberg Inc., USA**, India Office, Mumbai, India
33. Invited lecture at Bloomberg data Services (India) Ltd., on “E-waste Management in India – Issues, Challenges and Policy Responses” on 1<sup>st</sup> Dec 2011, **Bloomberg Inc., USA**, India Office, Mumbai, India
34. Invited Expert, Annual Meeting of Solid Waste Experts from Asia and the Pacific Islands (SWAPI), **Daegu, South Korea** 19<sup>th</sup> Oct 2011
35. Open NIES Talk on “Urban Energy and Carbon Intensity in India and Its Determinants – A Household Level Analysis”, at the **National Institute for Environmental Studies (NIES), Tsukuba, Japan**, 29<sup>th</sup> November 2010.
36. Invited Expert, the 7th NIES Workshop on E-waste held at the **National Institute for Environmental Studies (NIES), Tsukuba, Japan** during 18-20<sup>th</sup> October 2010 and made an expert presentation on *E-Waste Management in India – Issues, Challenges and Policy Response* (18<sup>th</sup> October 2010)
37. Invited for the International Conference on Urbanization and Global Environmental Change: *Opportunities and Challenges for Sustainability in an Urbanizing World*, to be held on the campus of **Arizona State University, Tempe, Arizona USA**, October 15-17, 2010. Organized by The Urbanization and Global Environmental Change (UGEC) project of the International Human Dimensions Programme (IHDP). To make a presentation on "Co-Benefit as an Approach to Align Climate Change Concerns with the National Development Objectives: Solid Waste Management"
38. Invited at the 2nd UNITAR-Yale Global Conference on Environmental Governance and Democracy: Strengthening Institutions to Address Climate Change and Advance a Green Economy, 2nd Conference on Environmental Governance and Democracy at **Yale University in New Haven, Connecticut, USA**,



September 17-19, 2010 to make a panel presentation on 'Mainstreaming Climate Change and Greening Concerns into the National Development Objectives: Issues of Governance at Different Levels'.

39. Invited expert at the Regional Workshop on "Waste Management in the Sohar Industrial Port", organized by Sohar Environmental Unit, Ministry of Environment and Climate Affairs, **Sultanate of Oman**, Crown Plaza Sohar, 20<sup>th</sup> September 2010 and spoke on "Design Aspects of Landfill-Environmental considerations"
40. Panel Coordinator, "Panel on Harmonized Emission Standards in India – What can be learned from Europe Experience", Diesel Emission Conference (DEC-2010), Organized by **Integer Research, London** (8-9 Sept 2010), Leela Kempsi, Gurgaon, New Delhi, India
41. Invited as a Regional Expert on Solid Waste management to Participate in the Regional Training Workshop on "Integrated Solid Waste Management based on 3R Principles, IETC-DTIE of United Nations Environment Program (UNEP), **UNEP-ROAP and UNESCAP**, 5-8<sup>th</sup> October 2009, **Osaka, Japan**
42. Invited to present the award winning paper on "Climate Change Mitigation Initiatives in Urban Transportation – Strategies to Promote Non-Motorized Modes of Transportation" at the "International Workshop on Evaluating Climate Change and Development", **Alexandria, Egypt**, 10-13 May 2008, organized by the **Global Environment Facility, World Bank**
43. Invited to present the Key Note Speech at the "Symposium on Technical Development for Climate Change Counter Plan" Lotte Hotel, **Ulsan City**, 1-2<sup>nd</sup> May 2008 and delivered a Key Note Speech on "Integrating Strategies for Local and Global Environmental Issues" on 2<sup>nd</sup> May 2008
44. Invited to present the Key Note Speech at the "**Korean Society of Environmental Engineers'** Annual Seminar" Ulsan City, 1-2 May 2008 and delivering a Key Note Speech on "Economics for Environmental Management" on 1<sup>st</sup> May 2008
45. Invited Expert, First Asia and Pacific Mayor's Forum on Sustainable Urban Infrastructure Development, Ulsan City, **South Korea**, 21-23 April 2008, Organized by **UNESCAP** and the City of Ulsan. Delivered an expert lecture on "Sustainable Urban Infrastructure Development – Integrating Strategies for Local and Global Issues" on 21<sup>st</sup> April 2008
46. Invited Special Lecture on "Economics of Waste Management" at **Chongwon National University, Chongwon, South Korea**, 31<sup>st</sup> March 2008
47. Invited Guest Speaker, at KAIST Golden Triangle Research Collaboration meeting and gave a lecture on "Environmental Engineers and Sustainable Development", **Ulsan, South Korea**, 22<sup>nd</sup> February 2008.
48. Invited lecture on "Response Strategies for Climate Change Mitigation – A Developing Country Perspective" as a part of the *Environmental Technology Seminar* series under the prestigious **BRAIN KOREA 21 programme of Korean Government** (at the University of Ulsan, South Korea, 7<sup>th</sup> December 2007)

49. Invited on a special **Japan Waste Research Foundation (JWRF)** Fellowship to participate in the 3<sup>rd</sup> Expert Meeting on Solid Waste Management in Asia and Pacific Islands and Present a paper on “Co-Benefit as an Approach to Align Climate Change Concerns with the National Development Objectives: Solid Waste Management”, **Okayama, JAPAN**, 7-9 November 2007.
50. Invited expert, Joint Seminar on Climate Change: The Urban Transportation Challenge, Organized by the Municipal Corporation of Kolkata and the Centre for Social Markets (CSM), Wednesday, 8<sup>th</sup> August 2007, The Conclave, Kolkata, India (Funded by **Heinrich Böll Foundation, Germany**)
51. Series of Invited Lectures at the Department of Civil Engineering, **University of Ulsan, Korea** (January-February 2007)
  - Environmental Management through the Times of Economic Development;
  - Economic Development and the Environment;
  - Air Pollution Control and solid waste Management - A Management Approach;
  - Economics for Environmental Management - An Introduction to Environmental Economics;
  - Cost-Benefit Analysis as a Tool for Environmental Management;
  - Climate Change and Mitigation Strategies
52. Invited to participate in Better Air Quality (BAQ - 2006) Conference organized by **CAI-Asia and ADB, Yogyakarta, Indonesia**, 13-15 December 2006 and present a research paper.
53. Invited Expert, Project formulation Workshop for Asian Climate Change Research Programme (ACCRP), Funded by **Swedish International Development Cooperation Agency**, 27-28 October 2005, Asian Institute of Technology, **Thailand**.
54. Panel Member, on “How to Bring the Global Concerns into Urban Context”, Organized by the Urban Environmental Management group of IGES, JAPAN at the International Open Science Meeting of **International Human Dimensions Program (IHDP), Bonn, Germany** 10-13 October 2005.
55. Open AIT lecture on “*The Delhi Decision – Is it a sustainable pathway for better air quality management in the other developing countries in Asia*”, 26<sup>th</sup> January 2004, **Asian Institute of Technology (AIT) Thailand**.
56. Invited Speaker, “Better Air Quality in Asia and Pacific Rim Cities (BAQ) 2004”, an international workshop organized by the CIA Asia, ADB, Agra, India, 6-8 Dec., 2004
57. Invited as a National Expert to attend the Annual review workshop on “Strategies to promote energy efficient technologies in urban transportation” under Asian Regional Research Project for Energy Environment and Climate (ARRPEEC -III), **Asian Institute of Technology (AIT), Bangkok, Thailand**, 11-12 November, 2004
58. Invited by **UNESCAP to represent Institute for Global Environmental Strategies (IGES), Japan** at the “Workshop-cum-study visit Community-based and Decentralized Solid Waste Management” UNESCAP, 13-17 September 2004, Dhaka, Bangladesh

59. Invited to participate in the third Kitakyushu Initiative Network Meeting of **UNESCAP**, 2-4 August 2004, **Kitakyushu, Japan**
60. Invited to attend the sixth Thematic Seminar on International Cooperation for Local Initiatives, **IGES, Kitakyushu, Japan**, 2<sup>nd</sup> July 2004
61. Invited to attend the fifth Thematic Seminar on Public Participation for Urban Environmental Management, **IGES, Kitakyushu, Japan**, 20-21 January 2003
62. Invited speaker at the Better Air Quality (BAQ 2003) workshop, 17-19 December 2003, Manila, Philippines, (Sponsored by **ADB, Philippines**) and presented a paper "Transportation Trends, Alternatives and Policy Issues in Indian Cities"
63. Invited to attend the International Conference on "Roles of Agriculture", Organized by **United Nations Food and Agriculture Organization (FAO)**, 20-22 October 2003, **Rome, Italy**
64. Invited to attend the Annual review workshop on "Strategies to promote energy efficient technologies in urban transportation" under Asian Regional Research Project for Energy Environment and Climate (ARRPEEC -III), **Asian Institute of Technology (AIT), Bangkok, Thailand**, 24-26 September, 2003
65. Invited to attend the "Fourth Training Workshop on International Environmental Law – Biodiversity," Kushiro, Japan, 15-21<sup>st</sup> March 2003 (**Sponsored by United Nations Institute of Training and Research – UNITAR**)
66. Invited Speaker at the BAQ 2002, an international workshop on Better Air Quality in Asia and Pacific Rim Cities held in **Hong Kong** supported by the Asian Development Bank (ADB)
67. Invited to attend the Methodology Workshop on "Strategies to promote energy efficient technologies in urban transportation" under Asian Regional Research Project for Energy Environment and Climate (ARRPEEC -II), held at **Asian Institute of Technology (AIT), Bangkok, Thailand**, 7-8 October, 2002
68. Invited to participate in the Inception workshop of Role of Agriculture (ROA) project funded by **Food and Agriculture Organization of United Nations (FAO)**, IGIDR, Mumbai, India, 21-22 September 2002.
69. Invited to attend the World Bank Institute's course on Environmental Economics and Development Policy 2002 (EEDP V), **Washington D.C. United States**, 15-26 July, 2002
70. Invited to attend the Third Annual Review Workshop on Asian Regional Research Project for Energy Environment and Climate (ARRPEEC -II), **Asian Institute of Technology (AIT), Bangkok, Thailand**, 25-27 March, 2002
71. Invited to attend the Training and Research Workshop organized by IUCN, - Asian Region Office and **South Asian Network for Development and Research (SANDEE)**, AIT, Thailand, 7-12<sup>th</sup> March 2002 and delivered a talk on "Economic Valuation of Pesticide Pollution in India – A Policy Analysis for the Development of Eco-Friendly Agriculture Practice".

72. Invited Speaker at the "International Conference on Advances in Civil Engineering (ACE 2002)" held at IIT, Kharagpur, India during January 3-5, 2002 and presented a paper titled "Sustainability Approach to Waste Management - A Case of Modified Design for Landfills".
73. Invited Open AIT lecture on "Application of Analytic Hierarchy Process for the Selection of Alternative Options for Urban Transportation in India – Analysis of Group Aggregation Methodology Adopted in AHP", May 22, 2001, Asian Institute of Technology, Thailand
74. Invited to attend the Second Annual Review Workshop on Asian Regional Research Project for Energy Environment and Climate (ARRPEEC -II), **Asian Institute of Technology (AIT), Bangkok, Thailand**, 19-21 February, 2001
75. Invited to participate in the First Indian Research Forum on "Green House Gas Pollution Prevention – Climate Change Supplement" - A Programme of the **USAID**, organized by Louis Berger, Inc. and IGIDR at IGIDR, Mumbai, India on 22/01/01
76. Invited to participate and present a paper titled "Policies and Strategies for Better Management of Municipal Solid Waste in Indian Cities at the **International Human Development Programme workshop on Climate Change, IHDP-Bonn**, September 10-19, 2000, Bonn, **Germany**.
77. Invited to participate and present a paper "Purpose Built Landfill System for the Control of Methane Emissions from Municipal Solid Waste" at The Second International Methane Mitigation Conference, **Novosibirsk, Russia**, June 18-23, 2000.
78. Resource person, Environmental Economics Training Programme under **the World Bank's** Environmental Management Capacity Building Project, IGIDR, Mumbai, July 13-16, 2000.
79. Invited to participate in the International Youth Forum on Lifelong Integrated Education – "Think together: Future for us, Humanity and the Earth", Nomura center for Lifelong Integrated Education, **Tokyo, Japan**, 17-19 August 1999.

## **NATIONAL INVITATIONS** (HUNDRED AND ELEVEN)

1. Invited to review the curriculum of the new course on Environmental Economics for the undergraduate students at Shree Vidhyaniketan College of Engineering (Autonomous), Tirupati, AP, India (June 2021)
2. Invited to review the curriculum of the new M.Tech Programme in Waste Management to be started by the Department of Civil Engineering, National Institute of Technology (NIT), Warangal from 2020-21.
3. Invited Expert at the Webinar on Geospatial Tech for Future Ready Livable Cities, Organized by Women Geo space Coterie, New Delhi March 18, 2021 to give a lecture on “Spatial and Temporal Evolution of Environmental Issues”
4. Invited to Chair a Session on Water Policy at the International Symposium organized by Dr Babasaheb Ambedkar International Research Centre, University of Mumbai and Water Policy Centre, Aurangabad, 12<sup>th</sup> April, 2021
5. Invited Expert at the Environment Research and Urban Mobility as part of Engage for Environment – An Online Discussion Series on Urban Environment and Mobility Organized by Parishar, Pune, 18<sup>th</sup> June 2021 to talk on “The Changing Role of Bus Transport System in Indian Cities”
6. Invited to give Key note lecture at AICTE – ATAL Course on Composting Technologies for Municipal Solid Waste Management, National Institute of Technology, Warangal, 4<sup>th</sup> – 8<sup>th</sup> January 2021 on “Innovation in Waste Management: Dhaka Model of Decentralized Composting”.
7. Invited as a Member, Board of Studies (BoS), Department of Civil Engineering, National Institute of Technology (NIT), Warangal
8. Invited as a Member, National Advisory Committee, HYDRO-2019 International Conference, Department of Civil Engineering, University College of Engineering, Osmania University, Hyderabad
9. Empanelled Expert in the area of Economics for the National Resource Centre for Education (NRCE) of National Institute of Educational Planning and Administration (NIEPA) under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT, Ministry of Education, Government of Indian (August 2020).
10. Invited as a Judge for the selection of the winner in the Economic Justice Conclave: A National level Policy Challenge –Climate Change, Sarla Anil Midi School of Economics, Narsee Monjee Institute of Management Studies, Mumbai 28-29 Jan 2020
11. Invited Expert at AICTE Three days National Faculty Development Program on Sustainable Engineering organized by the Department of Civil Engineering, Sree Vidhyaniketan College of Engineering (Autonomous), Tirupati, AP, 27-29 August 2020 to give a talk on “Eco-Industrial Network for Sustainability”.

12. Invited expert at the International webinar on “Environmental Governance in Contemporary times” organized by the Mumbai School of Economics and Public Policy, University of Mumbai and IMPRESS, Indian Council of Social Science Research, New Delhi, 12-13<sup>th</sup> August 2020 to give a lecture on “Covid-19, Lockdowns and the Environment”
13. Invited to give Key note lecture at Seminar on **Issues in Public Policy in Maharashtra as part of** Mumbai School of Economics and Public Policy, University of Mumbai’s centenary celebrations 2020-2021, 5-6<sup>th</sup> March 2020
14. Invited as Judge at the Economic Justice Conclave: A National level Policy Challenge –Climate Change, Sarla Anil Modi School of Economics, Narsee Monjee Institute of Management Studies, Mumbai 28-29 Jan 2020
15. Invited for a discussion on Future of Indian Cities at a symposium on the Current Status and Possible Futures of Indian Cities - Creating the Inclusive city: Urban Poverty and Policy Direction in India, University of Chicago Center in India, Delhi, 14<sup>th</sup> Feb 2020.
16. Invited to give a Key note lecture at International Webinar on Environmental Governance organized by Mumbai School of Economics and Public Policy, University of Mumbai, 12<sup>th</sup> and 13<sup>th</sup> August 2020
17. Invited as an expert to deliver a lecture on “E-Waste Management in India: Issues, Challenges and Policy Responses” on February 26, 2019 at the Annual winter school for the year 2019 on “Sustainable Waste Management: Solid Waste and E-Waste”, Organized by Indo-German Center for Sustainability (IGCS) Indian Institute of Technology (IIT), Madras, India, February 23 - March 8, 2019.
18. Invited to deliver an Expert Lecture at the Three Day National Level Online FDP on ‘Sustainable Engineering 27-29 August, 2020, Sree Vidhya Niketan College of Engineering, Tirupati.
19. Invited as Chairperson for Poster Session, 4<sup>th</sup> PhD. Colloquium (CoRe) organized by IGIDR during November 5–8, 2019
20. Invited as an expert for the IDFC Institute Conversations: Improving Indian Urban Planning with Alain Bertaud, Bimal Patel & Vidyadhar Phatak, 17th January 2018, IDFC Mumbai.
21. Invited as an Expert to Review Student Project Entries for Gandhian Young Technological Innovation (GYTI) Awards - 2018, Society for Research and Initiatives for Sustainable Technologies and Institutions (SRISTHI), Delhi
22. Invited to set exam question paper for Post-graduate students of GITAM University, Visakhapatnam during 2016-17 and 2017-18
23. Invited as an expert to deliver a key note address at a National Seminar on the theme “Climate Change and Indian Economy-Contemporary Developments and Challenges”, 24 February, 2018 organized by Economics Department of SIES College of Arts, Science & Commerce, Mumbai

24. Invited Expert at a Workshop on Geographic Information System (GIS) for Research Scholars, Staff and Faculty of IIPS, 22-23 December 2017, International Institute of Population Sciences (IIPS), Mumbai and delivered a lecture on “Temporal and Spatial Dynamics of Environmental Problems in Asia – A Stage Model Perspective”
25. Invited as an Expert for the closed group telephonic meeting on “India’s Energy Sector Demands: Where are we headed?” to discuss some of the key issues in each of the demand sectors (Agriculture, Commercial, Industry, Residential and Transport sectors), 20<sup>th</sup> December 2017, Organized by TERI, Delhi
26. Invited as an Expert for a Workshop on Indian Cities for the Future – Towards Solution” involving key decision makers from industry, business, government, and academia to identify innovative solutions for the future of Indian cities, 4<sup>th</sup> December 2017, Organized by the Tata Institute of Social Sciences (TISS) and the Institute for Future Cities at University of Strathclyde
27. Invited as an Expert at TARAGram Yatra Plenary Session on 22<sup>nd</sup> September 2017, Development Alternatives, Delhi
28. Invited as an Expert and Mentor for the Scholar Orientation Program 2017 on July 30<sup>th</sup> 2017 at Trident, Nariman Point, Mumbai
29. Invited Expert at a National Workshop on Urban Environmental Management – Solutions for Sustainability, 17-18<sup>th</sup> August 2017, National Environmental Engineering Research Institute (NEERI), Hyderabad and Delivered a Lecture on “Innovation in Waste Management – Replication Strategies for the Developing Cities in Asia”
30. Invited Expert at the International Conference on "Future of Cities: Opportunities and Challenges", Institute for Town Planners, India, Delhi, 27-28<sup>th</sup> July 2017 to deliver a lecture on “Retrofitting Transport-Infrastructure Projects for Climate Adaptation – Incremental Analysis of Non-Motorized Modes” in the Session on “Climate Change, Risk and Resilient Cities”.
31. Invited to participate in the lecture by Municipal Commissioner of Mumbai Mr. Ajay Mehta on Reimagining Civic Governance, 14<sup>th</sup> July 2017, Team Observer Research Foundation, urban planning team of the MCGM and the Maharashtra State Government’s Urban Development department.
32. Invited to Participate as an Expert at a workshop on ‘Evolving Integrated Geospatial Policy and Strategy for India’, Association of Geo-space Industries, 12<sup>th</sup> April 2017, India International Centre, Delhi
33. Invited as an Expert for the 6<sup>th</sup> edition of the Global Economic Summit 2017 on the Theme Women Empowerment: Entrepreneurship, Innovation & Capacity Building, organized jointly by the World Trade Centre (WTC) Mumbai and All India Association of Industries (AIAI), March 27-29, 2017 at World Trade Centre Mumbai.
34. Invited as an Expert Panelist at the International Conference ICAIM 2017 – Leveraging Information Technology for Inter-sectoral Research, 17<sup>th</sup> February 2017, and participated in the Open Forum on

“Research in Industry and Use of IT for Industrial Research – Expectations from Academics”, Thakur Institute of Management Studies, Career Development and Research, Mumbai

35. Invited as an Expert to give a talk on IT and IoT – Their Interaction with the Environment by Thakur Institute of Management Studies, Career Development and Research, Mumbai, 15<sup>th</sup> February 2017.
36. Invited as an Expert to give two lectures at the Three Week Refresher Course on “Economics of Industry: Modern Perspectives” organized by the Department of Economics, University of Mumbai, 30<sup>th</sup> January and 18<sup>th</sup> February 2017. Delivered two lectures on “Economic Development and the Environment” and “Eco-Industrial Networking for Sustainable Development in Asian Countries”.
37. Invited as an Expert for the UNDP Country Program Management Board Meeting, 19<sup>th</sup> Jan 2017, UNDP India Office, Delhi
38. Invited as an Expert Speaker for the National Environmental Conference at CESE, IIT Bombay during January 19-21, 2017 and delivered a lecture on “Temporal Dynamics of Waste Management Problems in Asia – A Stage Model Perspective
39. Invited as an Expert Speaker at the International Conference on Environmental Management and Sustainability ICEMS 2017, organized by SIES, Nerul Campus, Mumbai, 4-6<sup>th</sup> January 2017 and delivered a lecture on “Urban Transportation and Environmental Issues”
40. Invited as an Expert at the High Profile Interactive session on “Doing Business with Ecuador – The Gateway to Latin America” with the Ambassador of Ecuador, organized by World Trade Center, Mumbai, 19<sup>th</sup> December 2016
41. Invited as a keynote speaker for the Workshop on Mumbai Urban Observatory, 5-6<sup>th</sup> December 2016 organized by Bombay Chamber of Commerce and Industries and National Institute of Urban Affairs, Delhi as part of “RCUK-Network on Sustainable Cities and Urbanization in India” and delivered a lecture on “Need and Possibilities for an Urban Observatory in the Context of Greater Mumbai”
42. Expert at the Energy-Environment Group Outcome Evaluation Board meeting, UNDP India Office, 25<sup>th</sup> November 2016
43. Invited as a keynote speaker at a two day national seminar on *Human Security in India: Issues, Challenges and Responses*, 25-26 November 2016, Department of Politics, SIES College of Arts, Science and Commerce, Sion, Mumbai
44. Invited as an Expert at the Workshop on Research Methodology for Researcher, Faculty in Social Sciences, Department of Economics, Government College, Ambalapuzha, 25-27 October 2016
45. Invited expert and Principal Investigator at the Kickoff Workshop of the UN-India Joint Network on Sustainable Cities and Urbanization in India, 26-27<sup>th</sup> Sept 2016, Organized by Research Council of the UK and NIUA, Delhi



46. Invited as an Expert for the Round table meeting on Development of Think-Tank for Mumbai” organized by World Trade Center (WTC) Mumbai and Maharashtra Industrial Development Corporation (MIDC) held on August 19, 2016 at WTC Mumbai.
47. Invited as an Expert at the 7<sup>th</sup> International TISS Climate Conference 2016, 29-30<sup>th</sup> July 2016, Tata Institute of Social Sciences (TISS), Mumbai
48. Orientation Programme for the Award and Scholarship Winners for the year 2016 by Narottam Shah Foundation, July 24<sup>th</sup>, 2016 at Trident, Mumbai
49. Invited as an expert speaker to deliver a talk on Economics, Development, Climate Change and the Environment at Workshop on “Understand the Earth and Climate Change Problems and It’s Solutions: An Engineering Perspective”, Atharva College of Engineering, Mumbai, 15<sup>th</sup> July 2016
50. Thesis examiner for Masters Programme in Environmental Engineering, Department of Civil Engineering, National Institute of Technology (NIT), Warangal (5<sup>th</sup> July 2016)
51. Invited as an expert at UK-India Urban Transformations Research Workshop, National Institute of Urban Affairs, RCUK, 13<sup>th</sup> march 2016, Jaipur
52. Invited as an expert to a Round Table meeting on IoT systems and solutions for Smart City deployment, Organized by C-DAC, Bengaluru, 20<sup>th</sup> February 2016
53. Invited to give a lecture on “Economic, Development and the Environment” at workshop on Greening and Sustainability: Re-visioning the Environment, Wilson College, Mumbai, 17<sup>th</sup> February 2016
54. Invited as an Expert Speaker to deliver a talk on “Environment and Economic Development” at the National Seminar on “India – An Emerging Economy: Opportunities and Challenges”, Department of Economics, G.N. Khalsa College of Arts, Science and Commerce and UGC, 4-5<sup>th</sup> December 2015
55. Invited expert, TARAGram Yatra and India – Post 2015: Investing in Sustainability conclave organized by Development Alternatives and GTZ, New Delhi, 7-10<sup>th</sup> October 2015
56. Invited as a Coordinator for a Panel Discussion on The importance of developing alternative fuel and technology solutions in India at the 5<sup>th</sup> Integer Emissions Summit India 2015, 25-26 March, Piccadilly Hotel, New Delhi
57. Invited as an expert for the International Seminar on “Sustainable Solid Waste Management for Cities: Opportunities in SAARC Countries”, 25-27 March 2015, Nagpur, jointly organized by NEERI and Imperial College London.
58. Invited expert for a two day National Seminar on Industrial Ecology – Inter-disciplinary Perspectives and Opportunities, 20-21 March 2015, Organized by GMR Institute of Technology, Rajam and Department of Science and Technology, Government of India.

59. Series of invited guest lectures for the Environmental Management group at **Indian Institute of Forest Management (IIFM), Bhopal**, India, 26-27 January and 25-26 Feb 2015
60. Invitation as an Expert Speaker to lecture on Environmental accounting of Transport and Solid Waste Management Sector at a one week refresher training program for Statistical Personnel of DES, U. P. on Environment Statistics and Natural Resource Accounting, 23-27 February 2015, Indian Institute of Forest Management (IIFM) Bhopal
61. Invited as an Environmental Economist Expert to deliver a series of lectures at a Workshop on Environmental Economics organized by the Department of Economics, University of Mumbai, 10-12 February 2015.
62. Invited speaker at a Two - day International Seminar on "Natural Resource and National Accounts in South Asia", 5-6 February 2015, Institute for Social and Economic Change, Bangalore, India and gave a "lecture on Inclusive Valuation of Solid Waste Management services in India"
63. Chair Person, Session on Economics of Climate Change, at a Two - day International Seminar on "Natural Resource and National Accounts in South Asia", 5-6 February 2015, Institute for Social and Economic Change, Bangalore, India
64. Invited expert on the panel "Environment and Climate Change" at the Young Social Innovators Conclave organized by Indian Youth Fund, Hindustan Times and Narottam Seksaria Foundation, Mumbai, India, 10<sup>th</sup> October 2014
65. Invited for the Mumbai dialogue on green architecture "Building sense: Beyond the green façade of sustainable habitat" organized by Center for Science and Environment, Studio-X Mumbai Fort, Mumbai, 11<sup>th</sup> October, 2014.
66. External thesis examiner for Master's thesis submitted by Mr. Vikar Verma, IIT Bombay, 27<sup>th</sup> August 2014.
67. **Invited expert** at the Consultation Workshop on the 3<sup>rd</sup> Regional Plan of Mumbai Metropolitan Region (MMR) for year 2014-2034, MMRDA, BKC Mumbai, 28<sup>th</sup> March 2014.
68. External Theses Examiner for the Post-graduate programme in Environmental Engineering, Department of Civil Engineering, National Institute of Technology (NIT), Warangal, AP, India (July 2014)
69. Invited as a Key note speaker for the UGC sponsored Seminar on "Frontiers in the Field of Science, Technology and Sustainability", organized by Government of Maharashtra's Elphinstone College, Mumbai, 14-15<sup>th</sup> February 2014.
70. Key Note Speaker at the UGC sponsored Seminar on "Environmental Management: New Paradigm for Water, Sanitation and Sustainability" organized by the School of Engineering, Cochin University of Science and Technology (CUSAT), 23<sup>rd</sup> January 2014 and delivered a key note speech on "Economics for Environmental Management"

71. Invited and Key Note Speaker at the UGC Sponsored State Level Seminar on Sustainable Infrastructure Development in India, Department of Economics, P.N. Doshi Women's College, Mumbai, India, 11-12<sup>th</sup> October 2013 and delivered a keynote speech on "Urban Transportation Infrastructure: Integrating Strategies for Sustainable Transportation"
72. Invited Speaker at the Maharashtra Water Forum organized by EI Water, Hotel Orchid, Santacruz East, Mumbai, India, 25<sup>th</sup> September 2013 and delivered a keynote speech on "Basic Services in Urban Centers – Present Trends and the Way Forward"
73. Invited Lecture at an International Seminar on "Sustainable Development – Indo-Canadian Perspective", **SNDT Women University**, Juhu Campus, Mumbai, India, 19-20 March 2013
74. Chairperson for the Technical Session IV at an International Seminar on "Sustainable Development: An Indo-Canadian Perspective", **SNDT Women University**, Juhu Campus, Mumbai, India, 19-20 March 2013
75. Six Invited Lectures on Modeling in Ecological and Economics (MEE) for MBA Graduate Students at **IIFM Bhopal**, 4-6 March 2013.
76. Invited Speaker for Environmental training program on "EIA studies and EMP of contaminated sites for industrial sector", sponsored by Central Pollution Control Board (CPCB), **CSIR Central Salt & Marine Chemicals Research Institute**, Bhavanagar, Gujarat, India, 13<sup>th</sup> February 2013
77. Invited Expert Speaker at the AICTE Sponsored Staff Development Programme on Green Construction: Environmental Compulsion of the Day , 14-18 May 2012, **Shree Vidhya Niketan** Engineering College, Tirupathi, India – Lectured on "Greening Commercial Buildings: Initiatives in India and the Bottlenecks"
78. Invited lectures on Ecology and Economy Models at **Indian Institute of Forest Management (IIFM), Bhopal**, 6-7<sup>th</sup> March 2012
79. Resource Person, Faculty Refresher Course on Advanced Economics, Sponsored by the **Reserve Bank of India (RBI)**, IGIDR, Mumbai, 24<sup>th</sup> November 2011 – Delivered a lecture on "Contemporary Issues in providing Environmental Services"
80. Series of invited guest lectures for the Environmental Management group at **Indian Institute of Forest Management (IIFM), Bhopal**, India, 26-27 Feb 2011
81. Invited Expert Speaker for the session on "Finance for Agriculture and Forestry – CDM Project" at the *Continuing Professional Development Programme on Clean Development Mechanism (CDM) and Carbon Finance for Agriculture and Forestry and Land use Project*, organized by **the Engineering Staff College of India (ESCI)**, 25-27<sup>th</sup> August 2010, ESCI, Hyderabad, India
82. PhD thesis examiner for **Pondicherry university** (2012)

83. Invited for the 23<sup>rd</sup> Research and Development Advisory Committee (RDAC) meeting of the **Ministry of Rural Development** and made a presentation (of the proposed project) on Development of Low Cost Filter for the Removal of Pesticides in the Rural and Pesticide Effected Area”, 16<sup>th</sup> June 2010, MoRD, Paryavaran Bhawan, Delhi
84. Invited Guest (on President’s Invitation) Lecture on Environmental Protection – Changing Trends and the Present Day Needs at **GITAM University**, Visakhapatnam, India, on 15<sup>th</sup> July 2009.
85. Chairman, Session on “Green Building, Energy Saving and Carbon Markets”, International Conference on Green Growth, Organized by **ICFAI Business School and Andhra Pradesh Forest Academy**, 17-18 December 2008, Hyderabad, India
86. Panel Member, Panel discussion on “India’s Environmental Challenges”, held at IBS, Hyderabad on 18<sup>th</sup> December 2008, Jointly organized by ICFAI Business School and **Andhra Pradesh Forest Academy**
87. Chairman, Session on Urbanization, Migration and Health, Students Colloquium on Development Research (SCODER), IGIDR, 28-29<sup>th</sup> September 2007.
88. Invited Speaker at the “Urban Transportation and Climate Change in Indian Cities: Experiences from Delhi and Mumbai”, at the Joint Seminar on Climate Change: The Urban Transportation Challenge, Municipal Corporation of Kolkata and the **Centre for Social Markets CSM**), 8<sup>th</sup> August 2007, The Conclave, Kolkata, India (Funded by **Heinrich Böll Foundation, Germany**)
89. Invited to participate in the Round-table on “Cities on River: Preparing for Climate Change”, Floatel, Kolkata, 8<sup>th</sup> August 2007, Kolkata, India, Organized by the INTACH and the **Centre for Social Markets (CSM)**, (attended by Mr. Murad Qureshi, Member of London Assembly)
90. Invited to participate in the “LEAD Consultation on the Status of Local Environmental Governance in India and Strategies for Future Action”, 15-16<sup>th</sup> March 2007, India Habitat Center, New Delhi (Organized jointly by **LEAD International and British Government** (Foreign Office))
91. Resource person for sessions on “Financing Environmental Projects and Environmental Reporting and Verification”, Training Programme for Non-ISS Statistical Personnel on “Natural Resources Accounting Techniques” **Indian Institute of Forest Management, Bhopal**, 12-16 Feb 2007
92. LECTURED on “Environmental Finance” for PFM graduate students at the **Indian Institute of Forest Management (IIFM), Bhopal**, February 2007
93. Invited to deliver a talk on “Air Quality Modeling: Case Studies of Delhi and Mumbai”, Seminar on Valuation and Accounting of Urban Air Pollution in India, Environmental Economics Workshop, **Institute of Economic Growth, New Delhi**, India, 30<sup>th</sup> Nov 2006
94. Invited as a GEF-Consultant for Project Proponent, GEF Empowered Committee meeting at the **Ministry of Environment and Forests, Government of India**, 6<sup>th</sup> September 2006.

95. Invited as a GEF-Consultant/Expert, Workshop on Cleaner Mobility in Urban Areas in India, **UNDP/Ministry of Urban Development, Government of India**, New Delhi, 26<sup>th</sup> Aug, 2006.
96. External examiner for student presentations at *Center for Environmental Science and Engineering, Indian Institute of Technology (IIT), Bombay, India* (2006).
97. Invited to participate in the National review workshop on “Roles of Agriculture” IGIDR, Mumbai, India, 6-7 October 2003 (sponsored by **FAO of UN**)
98. Invited to participate as a representative of “National Research Institute” for the Sida project at National Dissemination Seminar on, “Asian Regional Research Project on Energy, Environment and Climate (ARRPEEC)”, **Central Electricity Authority (CEA), New Delhi**, 5<sup>th</sup> May 2003.
99. Invited Speaker, “Environmental Economics Training Programme for Indian Economic Services/Indian Statistical Services Offices”, Sponsored by the World Bank, 6<sup>th</sup> February 2003, **Gokhale Institute of Politics and Economics**, Pune, India.
100. Invited to speak on “GHG mitigation from MSW” in the Group Monitoring Workshop of Department of Science and Technology’s “Fast Track Scheme”, **Department of Science and Technology, Government of India**, January, 2003, Nagpur, India.
101. Invited Talk on “Pesticide Removal Using Indigenous Wood Charcoal” at **Birla Institute of Technology and Science (BITS), Pilani**, India on 30 August 2001.
102. Invited Speaker, Workshop on Advanced Waste Minimization and Management Technologies, Department of Civil Engineering, **Indian Institute of Technology (IIT), Kharagpur**, November 2000.
103. Invited to participate in the Brainstorming session which is a part of training programme on Environmental Economics for top level executives from corporate sector under the World Bank Environmental Management Capacity Building Technical Assistance Project (EMCaB) implemented by **MoEF, Govt. of India**, 29 June, 2000, IGIDR, Mumbai, India.
104. Invited to participate and present a paper entitled “Feasibility of Landfill Technology for Management of MSW: A Case Study of Mumbai” in the workshop on “Municipal Solid Wastes: Technology and Management” NDC & **West Bengal Pollution Control Board**, 15<sup>th</sup> November 1999 at Calcutta, India.
105. Invited to participate in Technical Advisory Committee meeting held for Rural Pollution and Health Impacts at IGIDR, Mumbai, India, 15<sup>th</sup> November 1999.
106. Invited to participate in the “Consultative Symposium on Environmental Governance for Sustainable Development” Indira Gandhi Institute of Development Research (**IGIDR**), Mumbai, India, June 11<sup>th</sup> 1999, Mumbai, India.

107. Invited to give a lecture on *Bio-methanation: An Alternative Energy Source – Appropriate Choice for the Next Millennium*, at Indira Gandhi Institute of Development Research (**IGIDR**), Mumbai, India on 3<sup>rd</sup> March 1999.
108. Invited to participate and present a technical paper at the National seminar on Environmental Protection: Recent trends in wastewater treatment, 19 - 20th January 1998, EPTRI, Hyderabad, India
109. Invited to participate and present a technical paper at a National seminar on Environmental Conservation and Management (ECOMAN), March 1996, **GITAM, Visakhapatnam**, India
110. Invited to participate in National seminar on Conservation and Development in Tropics, March 1995, **BHU, Varanasi**, India, and present a technical paper
111. Invited to participate and present a technical paper at National seminar on Environment, Biodiversity and Conservation, August 1995 at **Rani Durgavathi University**, Jabalpur, India

**DETAILS OF CONFERENCES ATTENDED** (TOTAL 135)**International: 61                  National: 74**INTERNATIONAL CONFERENCES ATTENDED (SIXTY ONE)

1. Tenth South Asian Economic Summit – Deepening Economic Integration for Inclusive and Sustainable Development in South Asia, 14-16 November 2017, Katmandu, Nepal, organized by South Asia Watch on Trade, Economics and Environment (SAWTEE), Nepal.
2. 21st International Conference of Hong Kong Society for Transportation Studies (HKSTS 2016) – Smart Transportation, Hong Kong, 10-12 Dec 2016 for two paper presentation
  - a. “Inequity in Travel Service Provision, Energy Consumption and Environmental Emissions - A Case Study of Mumbai Transport”
  - b. “Measurement of Inequity in Greater Mumbai: Transport Infrastructure Perspective”
3. Annual winter school for the year 2019 on “Sustainable Waste Management: Solid Waste and E-Waste”, Organized by Indo-German Center for Sustainability (IGCS) Indian Institute of Technology (IIT), Madras, India, February 23 - March 8, 2019
4. Tenth South Asian Economic Summit – Deepening Economic Integration for Inclusive and Sustainable Development in South Asia, 14-16 November 2017, Katmandu, Nepal, organized by South Asia Watch on Trade, Economics and Environment (SAWTEE), Nepal
5. Invited as an expert for the Interactive session on “Doing Business with Ecuador – The Gateway to Latin America” with the Ambassador of Ecuador, organized by World Trade Center, Mumbai and All India Association of Industries, 19<sup>th</sup> December 2016
6. Invited expert at the Workshop on Mumbai Urban Observatory, Organized by Mumbai Chamber of Commerce and Industries and RCUK-NIUA, 5-6 December 2016 Mumbai and Delivered a key note speech on “Need and Possibilities for an Urban Observatory in the Context of *Greater Mumbai*”
7. Attended the Kick off workshop of UK-India Joint Network on Sustainable Cities and Urbanization in India, 26-27 Sept 2016, Delhi as an Invited expert and principal investigator
8. Attended the 11<sup>th</sup> International Conference of Nomura Center for Life Long Integrated Education, Tokyo, Japan, 11-19<sup>th</sup> November 2014
9. Attended Water and Environmental Technology (WET) Conference 2014 organized by the Japan Society on Water Environment, at TWIns, Waseda University, Tokyo, Japan, 28-29 June 2014, and presented a paper titled “Development of Methodology for E-Waste Estimation: A Material Flow Analysis Based SYE Waste Model”
10. Invited to deliver an expert lecture on “Economic Development and Infrastructure in India at the Times of Global Negotiations for SDGs” at Hangeuk University of Foreign Studies, Seoul **Republic of Korea**, 28<sup>th</sup> May 2014

11. Invited to deliver an expert lecture on “Economic Development and Societal Transformation - Why are the Issues in Asian Cities Unique?” at Korean Institute for International Economic Policy (KIEP), Seoul, **Republic of Korea**, 30<sup>th</sup> May 2014
12. Invited to deliver an expert lecture on “Economic Development and Sustainability - Means to Integrate Sustainability into Economic Development” at The Graduate School of International Studies (GSIS), Sogang University, Seoul, **Republic of Korea**, 3<sup>rd</sup> June 2014
13. Delivered a Fellowship lecture on “India - Korea CEPA: Analysis of Industrial Competitiveness and Environmental Implications” at Korean Institute for International Economic Policy (KIEP), Seoul, **Republic of Korea**, 5<sup>th</sup> June 2014
14. Invited as Climate Change Expert, the Technical Working Group Meeting on Climate Change, Resource Scarcity and Food Security, Knowledge Partnership Program (KPP), IPE and DFID ,UK, at DFID-British High Commission, New Delhi, 18<sup>th</sup> January 2013.
15. Invited Expert, 9<sup>th</sup> Refresher Training Programme, Malé Declaration on Control and Prevention of Air Pollution and Its Likely Trans-boundary Effects for South Asia, CPCB, India, Delhi 10-12 Dec 2012
16. Participated in the UNU-WIDER International Conference on Climate Change and Sustainable Development, Helsinki, Finland 28-29<sup>th</sup> September 2012 and presented an invited paper
17. Participated in the Water and Environmental Technology (WET) International Conference organized by the Water Technology Center, University of Tokyo, 29-30 June 2012, Institute of Industrial Engineering, Komaba Campus, University of Tokyo, Japan and made a presentation on *Providing water for a Billion – Partnerships and its Limitations*
18. Invited International Expert, International Workshop on Water-Energy-Carbon Nexus in Mega Cities, Organized by Global Carbon Project (GCP) – National Institute of Environmental Studies (NIES) Japan, Tokyo Garden Palace, Tokyo, Japan, 1-3 March 2012
19. Participated in ICON MSW 2011, 2<sup>nd</sup> International Conference on Solid Waste Management, Kolkata, India, and Presented a paper on “Dynamic of Environmental Problems – Why are the Waste Management Problems Unique in the Developing Cities of Asia?” 9-11 November 2011
20. Participated as an Invited Speaker in the International Solid Waste Association (ISWA) World Congress 2011, Daegu, South Korea 17-20 October 2011 and Presented four papers titled
  - Development of Methodology for E-Waste Estimation – A Material Flow Approach”
  - E-Waste Management in India: Issues, Challenges and Policy Responses”
  - Innovation in MSW Management – Replication Strategies for Developing Cities in Asia
  - Sustainable Waste Management in Asian Cities – Modified Landfill Design
21. Participated in the Capacity Building Workshop on Carbon Governance in Asia: Bridging Scales and Disciplines, Organized by UNU-IAS, GCP and APN during 1-3<sup>rd</sup> November 2010 at the Institute of Advanced Studies, United National University, Yokohama, Japan



22. Participated in the 5<sup>th</sup> Workshop on “Improvement of solid waste management and reduction of GHG emission in Asia (SWGGA)” - Feasibility of mitigation action in Asia held at the National Institute for Environmental Studies (NIES), Tsukuba, Japan during 21-23<sup>rd</sup> October 2010 and made a presentation on *GHG Mitigation from Solid Waste Management – PPP Based Decentralized Composting* (21<sup>st</sup> October 2010)
23. Participated in the 7th NIES Workshop on E-waste held at the National Institute for Environmental Studies (NIES), Tsukuba, Japan during 18-20<sup>th</sup> October 2010 and made a presentation on *E-Waste Management in India – Issues, Challenges and Policy Response* (18<sup>th</sup> October 2010)
24. Participated in the 5<sup>th</sup> Workshop on “Improvement of solid waste management and reduction of GHG emission in Asia (SWGGA)” - Feasibility of mitigation action in Asia held at the National Institute for Environmental Studies (NIES), Tsukuba, Japan during 21-23<sup>rd</sup> October 2010 and made a country representative presentation on the *State of National GHG Mitigation Efforts Relevant to Waste Sector – Indian Scenario* (22<sup>nd</sup> October 2010)
25. Invited for the International Conference on Urbanization and Global Environmental Change: *Opportunities and Challenges for Sustainability in an Urbanizing World*, to be held on the campus of Arizona State University, Tempe, Arizona USA, October 15-17, 2010, The Urbanization and Global Environmental Change project of the International Human Dimensions Programme (IHDP). Made a presentation on "Co-Benefit as an Approach to Align Climate Change Concerns with the National Development Objectives: Solid Waste Management",
26. Participated in a Regional Workshop on “Waste Management in the Sohar Industrial Port”, organized by Sohar Environmental Unit, Ministry of Environment and Climate Affairs, Sultanate of Oman, Crown Plaza Sohar, 20<sup>th</sup> September 2010
27. Invited at the 2nd UNITAR-Yale Global Conference on Environmental Governance and Democracy: Strengthening Institutions to Address Climate Change and Advance a Green Economy, 2nd Conference on Environmental Governance and Democracy at Yale University in New Haven, Connecticut, USA, September 17-19, 2010 to make a panel presentation on ‘Mainstreaming Climate Change and Greening Concerns into the National Development Objectives: Issues of Governance at Different Levels’.
28. Coordinator for a “Panel on Harmonized Emission Standards in India – What can be learned from Europe Experience”, Diesel Emission Conference (DEC-2010), Organized by *Integer Research*, London (8-9<sup>th</sup> September 2010), Leela Kempsi, Gurgaon, New Delhi, India
29. Participated in the Regional Training Workshop on “Integrated Solid Waste Management based on 3R Principles, IETC-DTIE of United Nations Environment Program (UNEP), UNEP-ROAP and UNESCAP, 5-8<sup>th</sup> October 2009, Osaka, Japan
30. Participated in the International Conference on “Green Growth”, IBS, Hyderabad, India 17-18<sup>th</sup> December 2008, organized by ICFAI School of Business and Andhra Pradesh Forest Academy, and Presented an Invited Paper titled “Eco- Industrial Networking for Sustainable Development in Asia – Issues and Development Strategies”

31. Participated in the “International Workshop on Evaluating Climate Change and Development”, Alexandria, Egypt, 10-13 May 2008, organized by the Global Environment Facility (GEF) of the World Bank and presented the “Award winning” paper on “Climate Change Mitigation Initiatives in Urban Transportation – Strategies to Promote Non-Motorized Modes of Transportation”
32. Participated in “Symposium on Technical Development for Climate Change Counter Plan” Lotte Hotel, Ulsan City, 1-2<sup>nd</sup> May 2008 and delivered a Key Note Speech on “Integrating Strategies for Local and Global Environmental Issues” on 2<sup>nd</sup> May 2008
33. Participated in the “Korean Society of Environmental Engineers’ Annual Seminar” Ulsan City, 1-2 May 2008 and delivering a Key Note Speech on “Economics for Environmental Management” on 1<sup>st</sup> May 2008
34. Invited Expert, First Asia and Pacific Mayor’s Forum on Sustainable Urban Infrastructure Development, Ulsan City, South Korea, 21-23 April 2008, Organized by UNESCAP and the City of Ulsan.  
  
Expert lecture on “Sustainable Urban Infrastructure Development – Integrating Strategies for Local and Global Issues” on 21<sup>st</sup> April 2008
35. Participated in the 3<sup>rd</sup> Expert Meeting on Solid Waste Management in Asia and Pacific Islands and Presented a paper on “Co-Benefit as an Approach to Align Climate Change Concerns with the National Development Objectives: Solid Waste Management”, Okayama, JAPAN, 7-9 Nov’07.
36. Participated in Better Air Quality (BAQ - 2006) Conference organized by CAI-Asia and ADB, Yogyakarta, Indonesia, 13-15 December 2006.
37. Invited Expert, Project formulation Workshop for Asian Climate Change Research Programme (ACCRP), Funded by Swedish International Development Cooperation Agency, 27-28 October 2005, Asian Institute of Technology, Thailand.
38. Attended and presented a paper at the International Open Science Meeting of International Human Dimensions Program (IHDP), Bonn, Germany 10-13 October 2005.
39. Invited Speaker, “Better Air Quality in Asia and Pacific Rim Cities (BAQ) 2004”, an international workshop organized by the CIA Asia, ADB, Agra, India, 6-8 Dec., 2004
40. Attended the Annual review workshop on “Strategies to promote energy efficient technologies in urban transportation” under Asian Regional Research Project for Energy Environment and Climate (ARRPEEC -III), Asian Institute of Technology (AIT), Bangkok, Thailand, 11-12 November, 2004
41. Participated in the “Workshop-cum-study visit Community-based and Decentralized Solid Waste Management” UNESCAP, 13-17 September 2004, Dhaka, Bangladesh
42. Participated in the third Kitakyushu Initiative Network Meeting of UNESCAP, 2-4 August 2004, Kitakyushu, Japan

43. Attended the sixth Thematic Seminar on International Cooperation for Local Initiatives, IGES, Kitakyushu, Japan, 2<sup>nd</sup> July 2004
44. Attended the fifth Thematic Seminar on Public Participation for Urban Environmental Management, IGES, Kitakyushu, Japan, 20-21 January 2003
45. Attended the Better Air Quality (BAQ 2003) workshop, 17-19 December 2003, Manila, Philippines, (Sponsored by ADB, Philippines) and presented a paper "Transportation Trends, Alternatives and Policy Issues in Indian Cities"
46. Attended the International Conference on "Roles of Agriculture", Organized by United Nations Food and Agriculture Organization (FAO), 20-22 October 2003, Rome, Italy
47. Attended the Annual review workshop on "Strategies to promote energy efficient technologies in urban transportation" under Asian Regional Research Project for Energy Environment and Climate (ARRPEEC -III), Asian Institute of Technology (AIT), Bangkok, Thailand, 24-26 September, 2003
48. Attended the "Fourth Training Workshop on International Environmental Law – Biodiversity," Kushiro, Japan, 15-21<sup>st</sup> March 2003 (Sponsored by United Nations Institute of Training and Research – UNITAR)
49. Invited Speaker "Better Air Quality in Asia and Pacific Rim Cities (BAQ) 2002", an international workshop organized by the CIA Asia, ADB and HK Polytechnic University, Hong Kong, 16-18 December, 2002
50. Attended the Methodology Workshop on "Strategies to promote energy efficient technologies in urban transportation" under Asian Regional Research Project for Energy Environment and Climate (ARRPEEC -II), held at Asian Institute of Technology (AIT), Bangkok, Thailand, 7-8 October, 2002
51. Participated in the Inception workshop of Role of Agriculture (ROA) project funded by Food and Agriculture Organization of United Nations (FAO), IGIDR, Mumbai, India, 21-22 September 2002.
52. Attended the World Bank Institute's course on Environmental Economics and Development Policy 2002 (EEDP V), Washington D.C. United States, 15-26 July, 2002
53. Attended the Third Annual Review Workshop on Asian Regional Research Project for Energy Environment and Climate, Asian Institute of Technology, Bangkok, Thailand, 25-27 March, 2002
54. Attended the Training and Research Workshop organized by IUCN, - Asian Region Office and South Asian Network for Development and Research (SANDEE), AIT, Thailand, 7-12<sup>th</sup> March 2002 and delivered a talk on "Economic Valuation of Pesticide Pollution in India – A Policy Analysis for the Development of Eco-Friendly Agriculture Practice".
55. Attended the "International Conference on Advances in Civil Engineering (ACE 2002)" held at IIT, Kharagpur, India during January 3-5, 2002 and presented a paper titled "Sustainability Approach to Waste Management - A Case of Modified Design for Landfills".

56. Open AIT lecture on “Application of Analytic Hierarchy Process for the Selection of Alternative Options for Urban Transportation in India – Analysis of Group Aggregation Methodology Adopted in AHP”, May 22, 2001, Asian Institute of Technology, Thailand
57. Attended the Second Annual Review Workshop on Asian Regional Research Project for Energy Environment and Climate (ARRPEEC -II), Asian Institute of Technology (AIT), Bangkok, Thailand, 19-21 February, 2001
58. Participated in the First Indian Research Forum on “Green House Gas Pollution Prevention – Climate Change Supplement” - A Programme of the USAID, organized by Louis Berger, Inc. and IGIDR at Indira Gandhi Institute of Development Research, Mumbai, India on 22/01/01
59. Participated and presented a paper titled "Policies and Strategies for Better Management of Municipal Solid Waste in Indian Cities at the International Human Development Programme workshop on Climate Change, IHDP-Bonn, September 10-19, 2000, Bonn, Germany.
60. Participated and presented a paper “Purpose Built Landfill System for the Control of Methane Emissions from Municipal Solid Waste” at The Second International Methane Mitigation Conference, Novosibirsk, Russia, June 18-23, 2000.
61. Participated in the International Youth Forum on Lifelong Integrated Education – “Think together: Future for us, Humanity and the Earth”, Nomura center for Lifelong Integrated Education, Tokyo, Japan, 17-19 August 1999.

#### **NATIONAL (60)**

62. Participated in National seminar on Conservation and Development in Tropics, March 1995, BHU, Varanasi, India, and presented a paper
63. Participated in National seminar on Environment, Biodiversity and Conservation, August 1995 at Rani Durgavathi University, Jabalpur, India and presented a paper
64. Participated in National seminar on Environmental Conservation and Management (ECOMAN), March 1996, Visakhapatnam, India and presented a paper
65. Participated in National seminar on Environmental Protection: Recent trends in wastewater treatment, 19 - 20th January 1998, EPTRI, Hyderabad, India and presented a paper
66. *Bio-methanation: An Alternative Energy Source – Appropriate Choice for the Next Millennium*, presented at Indira Gandhi Institute of Development Research, Mumbai, India on 3<sup>rd</sup> March 1999.
67. Attended the “Consultative Symposium on Environmental Governance for Sustainable Development” being held by Indira Gandhi Institute of Development Research (IGIDR), Mumbai, India on June 11<sup>th</sup> 1999 in Mumbai, India.

68. Participated and presented a paper entitled “Feasibility of Landfill Technology for Management of MSW: A Case Study of Mumbai” in the workshop on “Municipal Solid Wastes: Technology and Management” NDC & West Bengal Pollution Control Board, 15<sup>th</sup> Nov 1999 at Calcutta, India.
69. Participated in Technical Advisory Committee meeting held for Rural Pollution and Health Impacts at IGIDR, Mumbai, India, 15<sup>th</sup> November 1999.
70. Participated in the Brainstorming session which is a part of training programme on Environmental Economics for top level executives from corporate sector under the World Bank Environmental Management Capacity Building Technical Assistance Project (EMCaB) being implemented by MoEF, Govt. of India, 29 June, 2000, IGIDR, Mumbai, India.
71. Participated and presented paper “GHG mitigation from MSW” in the Group Monitoring Workshop of Department of Science and Technology’s “Fast Track Scheme”, January, 2003, Nagpur, India.
72. Participated as a representative of “National Research Institute” for the Sida project at National Dissemination Seminar on, “Asian Regional Research Project on Energy, Environment and Climate (ARRPEEC)”, Central Electricity Authority (CEA), New Delhi, 5<sup>th</sup> May 2003.
73. National review workshop on “Roles of Agriculture” IGIDR, Mumbai, India, 6-7 October 2003 (sponsored by FAO of UN)
74. GEF-Consultant/Expert, Workshop on Cleaner Mobility in Urban Areas in India, UNDP/Ministry of Urban Development, Government of India, New Delhi, 26<sup>th</sup> Aug, 2006.
75. GEF-Consultant for Project Proponent, GEF Empowered Committee meeting at the Ministry of Environment and Forests, Government of India, 6<sup>th</sup> September 2006.
76. Delivered a talk on “Air Quality Modeling: Case Studies of Delhi and Mumbai”, Seminar on Valuation and Accounting of Urban Air Pollution in India, Environmental Economics Workshop, Institute of Economic Growth (IEG), New Delhi, India, 30<sup>th</sup> November 2006
77. Participated in the “LEAD Consultation on the Status of Local Environmental Governance in India and Strategies for Future Action”, 15-16<sup>th</sup> March 2007, India Habitat Center, New Delhi (Organized jointly by LEAD International and British Government (Foreign Office)
78. Delivered a talk on “Urban Transportation and Climate Change in Indian Cities: Experiences from Delhi and Mumbai”, at the Joint Seminar on Climate Change: The Urban Transportation Challenge, Municipal Corporation of Kolkata and the Centre for Social Markets CSM), 8<sup>th</sup> August 2007, The Conclave, Kolkata, India (Funded by Heinrich Böll Foundation, Germany)
79. Participated in the Round-table on “Cities on River: Preparing for Climate Change”, Floatel, Kolkata, 8<sup>th</sup> August 2007, Kolkata, India, Organized by the INTACH and the Centre for Social Markets (CSM), (attended by Mr. Murad Qureshi, Member of London Assembly)

80. Invited Speaker for Environmental training program on “EIA studies and EMP of contaminated sites for industrial sector”, sponsored by Central Pollution Control Board (CPCB), CSIR Central Salt & Marine Chemicals Research Institute, Bhavnagar, Gujarat, India, 13<sup>th</sup> February 2013
81. Invited Speaker at the Maharashtra Water Forum organized by EI Water, Hotel Orchid, Santacruz East, Mumbai, India, 25<sup>th</sup> September 2013 and delivered a keynote speech on “Basic Services in Urban Centers – Present Trends and the Way Forward”
82. Invited Speaker at the UGC Sponsored State Level Seminar on Sustainable Infrastructure Development in India, 11-12 October 2013, Organized by the Department of Economics, Smt. P.N. Doshi Women’s College, Mumbai and delivered a talk on “Urban Transportation Infrastructure: Integrating Strategies for Sustainable Transportation”
83. Invited as a Key note speaker for the UGC sponsored Seminar on “Frontiers in the Field of Science, Technology and Sustainability”, organized by Government of Maharashtra’s Elphinstone College, Mumbai, 14-15<sup>th</sup> February 2014.
84. Key Note Speaker, UGC sponsored Seminar on “Environmental Management: New Paradigm for Water, Sanitation and Sustainability” organized by the School of Engineering, Cochin University of Science and Technology, 23<sup>rd</sup> January 2014 and delivered a key note speech on “Economics for Environmental Management”
85. Participated in the India Development Report (IDR) Workshop organized by Indira Gandhi Institute of Development Research (IGIDR) as a contributing author and presented a paper on “Indian Transportation and Its Sustainability”, 7<sup>th</sup> March 2014, IGIDR, Mumbai
86. Invited expert on the panel “Environment and Climate Change” at the Young Social Innovators Conclave organized by Indian Youth Fund, Hindustan Times and Narottam Seksaria Foundation, Mumbai, India, 10<sup>th</sup> October 2014
87. Invited for the Mumbai dialogue on green architecture "Building sense: Beyond the green façade of sustainable habitat" organized by Center for Science and Environment, Studio-X Mumbai Fort, Mumbai, 11<sup>th</sup> October, 2014.
88. Invited as a Coordinator for a Panel Discussion on The importance of developing alternative fuel and technology solutions in India at the 5<sup>th</sup> Integer Emissions Summit India 2015, 25-26 March, Piccadilly Hotel, New Delhi
89. Invited as an expert for the International Seminar on “Sustainable Solid Waste Management for Cities: Opportunities in SAARC Countries”, 25-27 March 2015, Nagpur, jointly organized by NEERI and Imperial College London.
90. Invited expert for a two day National Seminar on Industrial Ecology – Inter-disciplinary Perspectives and Opportunities, 20-21 March 2015, Organized by GMR Institute of Technology, Rajam and Department of Science and Technology, Government of India.

91. Invitation as an Expert Speaker to lecture on Environmental accounting of Transport and Solid Waste Management Sector at a one week refresher training program for Statistical Personnel of DES, U. P. on Environment Statistics and Natural Resource Accounting, 23-27 February 2015, Indian Institute of Forest Management (IIFM) Bhopal
92. Invited as an Environmental Economist Expert to deliver a series of lectures at a Workshop on Environmental Economics organized by the Department of Economics, University of Mumbai, 10-12 February 2015.
93. Invited speaker at a Two - day International Seminar on “Natural Resource and National Accounts in South Asia”, 5-6 February 2015, Institute for Social and Economic Change, Bangalore, India and gave a “lecture on Inclusive Valuation of Solid Waste Management services in India”
94. Chair Person, Session on Economics of Climate Change, at a Two - day International Seminar on “Natural Resource and National Accounts in South Asia”, 5-6 February 2015, Institute for Social and Economic Change, Bangalore, India
95. **Invited expert** at the Consultation Workshop on the 3<sup>rd</sup> Regional Plan of Mumbai Metropolitan Region (MMR) for year 2014-2034, MMRDA, BKC Mumbai, 28<sup>th</sup> March 2014.
96. Invited as an Expert Speaker to deliver a talk on “Environment and Economic Development” at the National Seminar on “India – An Emerging Economy: Opportunities and Challenges”, Department of Economics, G.N. Khalsa College of Arts, Science and Commerce and UGC, 4-5<sup>th</sup> December 2015
97. Invited expert, TARAGram Yatra and India – Post 2015: Investing in Sustainability conclave organized by Development Alternatives and GTZ, New Delhi, 7-10<sup>th</sup> October 2015
98. Participated in the workshop on Greening and Sustainability: Re-visioning the Environment, organized by Wilson College, Mumbai, 17<sup>th</sup> February 2016 and delivered a lecture “Economic, Development and the Environment”.
99. Participated as an invited expert in a Round Table meeting on IoT systems and solutions for Smart City deployment, Organized by C-DAC, Bengaluru, 20<sup>th</sup> February 2016
100. Invited as an expert at UK-India Urban Transformations Research Workshop, National Institute of Urban Affairs, RCUK, 13<sup>th</sup> march 2016, Jaipur
101. Invited as an expert speaker at Workshop on “Understand the Earth and Climate Change Problems and It’s Solutions: An Engineering Perspective”, Atharva College of Engineering, Mumbai and delivered a lecture on Economics, Development, Climate Change and the Environment, 15<sup>th</sup> July 2016
102. Orientation Programme for the Award and Scholarship Winners for the year 2016 by Narottam Seksaria Foundation, July 24<sup>th</sup>, 2016 at Trident, Mumbai
103. Invited as an Expert at the 7<sup>th</sup> International TISS Climate Conference 2016, 29-30<sup>th</sup> July 2016, Tata Institute of Social Sciences (TISS), Mumbai

104. Invited expert and Principal Investigator at the Kickoff Workshop of the UN-India Joint Network on Sustainable Cities and Urbanization in India, 26-27<sup>th</sup> Sept 2016, Organized by Research Council of the UK and NIUA, Delhi
105. Invited as an Expert at the Workshop on Research Methodology for Researcher, Faculty in Social Sciences, Department of Economics, Government College, Ambalapuzha, 25-27 October 2016
106. Invited as a keynote speaker at a two day national seminar on *Human Security in India: Issues, Challenges and Responses*, 25-26 November 2016, Department of Politics, SIES College of Arts, Science and Commerce, Sion, Mumbai
107. Invited as a keynote speaker for the Workshop on Mumbai Urban Observatory, 5-6<sup>th</sup> December 2016 organized by Bombay Chamber of Commerce and Industries and National Institute of Urban Affairs, Delhi as part of "RCUK-Network on Sustainable Cities and Urbanization in India" and delivered a lecture on "Need and Possibilities for an Urban Observatory in the Context of Greater Mumbai"
108. Invited as an Expert Speaker at the International Conference on Environmental Management and Sustainability ICEMS 2017, organized by SIES, Nerul Campus, Mumbai, 4-6<sup>th</sup> January 2017 and delivered a lecture on "Urban Transportation and Environmental Issues".
109. Invited as an Expert Speaker for the National Environmental Conference at CESE, IIT Bombay during January 19-21, 2017 and delivered a lecture on "Temporal Dynamics of Waste Management Problems in Asia – A Stage Model Perspective.
110. Invited as an Expert to give two lectures at the Three Week Refresher Course on "Economics of Industry: Modern Perspectives" organized by the Department of Economics, University of Mumbai, 30<sup>th</sup> January and 18<sup>th</sup> February 2017. Delivered two lectures on "Economic Development and the Environment" and "Eco-Industrial Networking for Sustainable Development in Asian Countries".
111. Invited as an Expert to give a talk on IT and IoT – Their Interaction with the Environment by Thakur Institute of Management Studies, Career Development and Research, Mumbai, 15<sup>th</sup> February 2017.
112. Invited as an Expert Panelist at the International Conference ICAIM 2017 – Leveraging Information Technology for Inter-sectoral Research, 17<sup>th</sup> February 2017, and participated in the Open Forum on "Research in Industry and Use of IT for Industrial Research – Expectations from Academics", Thakur Institute of Management Studies, Career Development and Research, Mumbai
113. Invited as an Expert for the 6<sup>th</sup> edition of the Global Economic Summit 2017 on the Theme Women Empowerment: Entrepreneurship, Innovation & Capacity Building, organized jointly by the World Trade Centre (WTC) Mumbai and All India Association of Industries (AIAI), March 27-29, 2017 at World Trade Centre Mumbai.
114. Invited to Participate as an Expert at a workshop on 'Evolving Integrated Geospatial Policy and Strategy for India', Association of Geo-space Industries, 12<sup>th</sup> April 2017, India International Centre, Delhi
115. Invited to participate as an invited speaker at the International Conference on "Future of Cities: Opportunities and Challenges", Institute for Town Planners, India, Delhi, 27-28<sup>th</sup> July 2017.
116. Invited Expert at a National Workshop on Urban Environmental Management – Solutions for Sustainability, 17-18<sup>th</sup> August 2017, National Environmental Engineering Research Institute (NEERI),



Hyderabad and Delivered a Lecture on “Innovation in Waste Management – Replication Strategies for the Developing Cities in Asia”

117. Invited as an Expert at TARAGram Yatra Plenary Session on 22<sup>nd</sup> September 2017, Development Alternatives, Delhi
118. Invited as an Expert for a Workshop on Indian Cities for the Future – Towards Solution” involving key decision makers from industry, business, government, and academia to identify innovative solutions for the future of Indian cities, 4<sup>th</sup> December 2017, Organized by the Tata Institute of Social Sciences (TISS) and the Institute for Future Cities at University of Strathclyde
119. Invited as an Expert for the closed group telephonic meeting on “India’s Energy Sector Demands: Where are we headed?” to discuss some of the key issues in each of the demand sectors (Agriculture, Commercial, Industry, Residential and Transport sectors), 20<sup>th</sup> December 2017, Organized by TERI, Delhi
120. Invited Expert at a Workshop on Geographic Information System (GIS) for Research Scholars, Staff and Faculty of IIPS, 22-23 December 2017, International Institute of Population Sciences (IIPS), Mumbai and delivered a lecture on “Temporal and Spatial Dynamics of Environmental Problems in Asia – A Stage Model Perspective”
121. Invited as an expert to deliver a key note address at a National Seminar on the theme “Climate Change and Indian Economy-Contemporary Developments and Challenges”, 24 February, 2018 organized by Economics Department of SIES College of Arts, Science & Commerce, Mumbai
122. Invited as an expert for the IDFC Institute Conversations: Improving Indian Urban Planning with Alain Bertaud, Bimal Patel & Vidyadhar Phatak, 17th January 2018, IDFC Mumbai.
123. Participated as an invited Expert at the Annual winter school for the year 2019 “Sustainable Waste Management: Solid Waste and E-Waste”, Organized by Indo-German Center for Sustainability (IGCS) Indian Institute of Technology (IIT), Madras, India, February 23 - March 8, 2019
124. Participated in the Seminar on **Issues in Public Policy in Maharashtra as part of** Mumbai School of Economics and Public Policy, University of Mumbai’s centenary celebrations 2020-2021, 5-6<sup>th</sup> March 2020 as an invited expert.
125. Participated in the discussion on Future of Indian Cities at a symposium on the Current Status and Possible Futures of Indian Cities - Creating the Inclusive city: Urban Poverty and Policy Direction in India, University of Chicago Center in India, Delhi, 14<sup>th</sup> Feb 2020.
126. Participated as an Invited Expert at at the National Seminar on *The State of Maharashtra’s Economy: Select Issues* as part of Mumbai School of Economics and Public Policy, University of Mumbai’s centenary celebrations 2020-2021, 5-6<sup>th</sup> March 2020
127. Participated in the Webinar Lecture on The Pandemic and the Changing Structure of the World Economy: India’s Big Opportunity and Big Risk by Prof. Kaushik Basu under the IHD-ISLE Webinar Series: Covid 19 and its implications for the Economy, Work and Livelihoods, 27 July 2020
128. Participated as an invited speaker at the International webinar on “Environmental Governance in Contemporary times” organized by the Mumbai School of Economics and Public Policy, University of Mumbai and IMPRESS, Indian Council of Social Science Research, New Delhi, 12-13<sup>th</sup> August 2020

129. Participated as an Expert at the AICTE Three days National Faculty Development Program on Sustainable Engineering organized by the Department of Civil Engineering, Sree Vidyaniketan College of Engineering (Autonomous), Tirupati, AP, 27-29 August 2020.
130. Participated in “The New National Education Policy 2020” A webinar organized by India International Centre, New Delhi on 25<sup>th</sup> September 2020.
131. Participated as an invited Expert at AICTE Three days National Faculty Development Course on Composting Techniques for Municipal Solid Waste Management Organized by the Department of Civil Engineering, National Institute of Technology (NIT), Warangal, Telangana, 4-8 January 2021.
132. Participated in the Institute of Engineers (India) Technical Webinar on “Energy Efficient Design of Buildings with Reference to Energy Conservation Building Code (ECBC)”, Organized by IEI Meerut Chapter, 21<sup>st</sup> February 2021.
133. Participated as an invited speaker at the Webinar on Geospatial Tech for Future Ready Livable Cities, Organized by Wo-men Geo space Coterie, New Delhi March 18, 2021
134. Invited to Chair a Session at the International Symposium organized by Dr Babasaheb Ambedkar International Research Centre, University of Mumbai and Water Policy Centre, Aurangabad, 12<sup>th</sup> April, 2021
135. Participated as an invited expert at the Environment Research and Urban Mobility as part of Engage for Environment – An Online Discussion Series on Urban Environment and Mobility Organized by Parishar, Pune, 18<sup>th</sup> June 2021