

SHORT RESUME

Prof. Dr. Sudhakar YEDLA

B.E (Civil Engg), M. Tech (IIT-KGP), Ph.D.(IIT-KGP)
PDF (AIT-Bangkok), CEEDP (WBI-USA)
Dip. Int. Env. Law (UNITAR-Switzerland)

Professor of Environment and Development Policy

Indira Gandhi Institute of Development Research

(Advanced Research Institute and Deemed University Funded by the **Reserve Bank of India**)
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RBI (IGIDR)
Professor

IITan

Visiting Scholar (Professor) – on Sabbatical

Center for Natural Resources Development and Protection

#434, Calton Hall, **New Jersey Institute of Technology**

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(Former) **Professor** of Environmental Engineering and Management

Department of Civil Engineering, National Institute of Technology (**NIT**), Warangal, AP, India

(Under the Union Ministry of Human Resources and Development, Government of India)

Brain Pool Professor, University of Ulsan, South **Korea**

Policy Researcher, Institute of Global Environmental Strategies (IGES), **Japan**

Visiting Associate Professor, Asian Institute of Technology (AIT), **Thailand**

NIES Fellow, National Institute of Environmental Studies (NIES), Tsukuba, **Japan**

Visiting Fellow, Korean Institute of International Economic Policy (KIEP), **South Korea**

Serving at a level of FULL PROFESSOR since September 2007

**“Professionally Interested in Teaching, Research and Academic
& General Administration”**

Other Honorary Positions

- ❖ **Member, Board of Governors** - Government of India (**MHRD**) nominated **Member of the Court of Central University of Jharkhand**, Ranchi, India, Since March 2014
- ❖ **Consultant**, Sustainable Industrialization and Infrastructure Provision, Position Paper for Indian Government preparation for the negotiation on SDGs, **UNDP**, India, Since April 2014
- ❖ **Climate Change Advisor**, Knowledge Partnership Program, IPE and Department of International Development (DFID), United Kingdom Since January 2013
- ❖ **International Advisor**, HMR International Environmental Consultants, Sultanate of Oman since September 2010
- ❖ **Guest Faculty** at Indian Institute of Forest Management, (IIFM), Bhopal, India since Mar'07

One of the youngest to become full Professor among all 20 NITs in India

Expertise

Prof. Sudhakar Yedla
Environment and Development Policy Expert

September 2015

Core Competencies

- Environmental Engineering
- Environmental Economics
- Environmental Decision Making

Application Thrusts

- Smart/Sustainable Cities
- Environmental Policy and Urban Management;
- Air Pollution and Sustainable Mobility Issues;
- Climate Change Mitigation;
- Provision of Services to Urban Poor
- Impacts Assessment of Development Initiatives
- Sustainable Waste Management
- International Trade and Impacts on Environment
- National development plan and Sustainability
- Sustainable Development Goals
- Low Cost Water Treatment

Inter-disciplinary research
in the area of Urban
Environment and
Sustainability

Most Recent Major Academic Missions

- A single authored **BOOK** on “*Urban Transportation and the Environment: Issues, Alternatives and Policy Analysis*” published by **SPRINGER** Publishers (ISBN 978-81-322-2312-2, released in June 2015). It is a “no cost to the author publication” by Springer and with a lifetime royalty.
- Edited **BOOK** on “*Cities and Sustainability*” published by **SPRINGER** Publishers (ISBN 978-81-322-2309-2, released in June 2015) along with Prof. S. Mahendra Dev. It is a “no cost to the author publication” by Springer.

Education

- ☀ Bachelor of Engineering (**B.E.**) in Civil Engineering, Andhra University, Waltair, Andhra Pradesh, India, 1993
- ☀ Master of Technology (**M.Tech.**) in Aqua Engg, Indian Institute of Technology (**IIT**), Kharagpur, India, 1995
- ☀ **Ph.D.** in Civil and Environmental Engineering, Indian Institute of Technology (**IIT**), Kharagpur, India, 1999
- ☀ Post doctoral degree (**PDF**) in Environmental Management, Asian Institute of Technology, Thailand, 2001
- ☀ **Diploma** (Distinguished Honours) in International Environmental Law (**DIEL**), United Nations Institute for Training and Research (UNITAR), **Switzerland**, 2006
- ☀ **Certification** program on Environmental Economics and Development Policy (**EEDP**) from the World Bank Institute, Washington D.C., **USA** (2002)
- **Other academic trainings at UNEP-DTIE, Osaka, Japan; ASCI Hyderabad; UN-ITAR, Kushiro, Japan; IHDP, Bonn, Germany**

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

Total Experience of 20 years and 16 years of Post-PhD

Worked in India (NIT-W, IGIDR), Japan, South Korea, and Thailand

- Present Position: **Professor** of Environment and Development Policy, Indira Gandhi Institute of Development Research, Mumbai, INDIA
- Oct 2008 – Feb'10: **Professor**, Department of Civil Engineering, National Institute of Technology, Warangal
- April 2006 – Sept'08: **Associate Professor** of Environment and Development Policy, Indira Gandhi Institute of Development Research, Mumbai, INDIA
- May 2004 – Nov'05: **Policy Researcher**, Urban Environmental Management group, Institute for Global Environmental Strategies, Japan (An institute funded by the Ministry of Environment, Government of Japan) –a regular and Full time position equivalent to Associate Professor
- Sept 2001 – April'06: **Assistant Professor** of Environment and Development Policy, Indira Gandhi Institute of Development Research, INDIA
- May 1999 - Aug 2001: **Visiting (Regular) Faculty Member** at the Indira Gandhi Institute of Development Research, Mumbai, INDIA – a full time and regular position
- Jan 1996 - May 1999: **Senior Research Fellow** (Ph.D.) at the Department of Civil Engineering, Indian Institute of Technology (IIT), Kharagpur, INDIA
- July 1994 – Dec 1995: **Junior Research Fellow** (M.Tech) at the Department of Ag. & Food Engineering, Indian Institute of Technology (IIT), Kharagpur, INDIA

Short Contract/Consultancy/Fellowship/Deputation

Visiting Fellow Korean Institute of International Economic Policy, **South Korea**, 2014

Consultant	Sustainability of Industrialization & Infrastructure for SDGs, UNDP-MoEF, India, 2014
Environmental Economist	Supporting Implementation of Bangladesh Climate Change Strategy and Action Plan, AFC Consultants International and SSIL – An ADB Initiative (2013–14)
Consultant	Sustainable Transport for SDGs, UNDP -MoEF, India, 2013-14
Resource Person/Expert	UK - DFID funded project “the Knowledge Partnership Programme (KPP) –IPE Global/Action Aid India/GRM International, Since July 2013
Visiting Assoc. Professor	Asian Institute of Technology, Thailand 2012 (Deputed by the GoI)
International Consultant	Evaluation of Male Declaration – An intergovernmental Treaty, UNEP – Regional Resources Center for Asia and Pacific (RRC.AP), Thailand, 2012–13
NIES Fellow	Center for Global Environmental Research, National Institute for Environmental Studies, Japan , 2010
Visiting Professor	Center for Clean Technology & Resource Recycling, University of Ulsan, Korea , 2009
Brain Pool Professor	Dept. of Civil & Environmental Engineering, University of Ulsan, South Korea 2007 -08
Consultant	Institute for Global Environmental Strategies, Japan, 2003-05

- International Consultant** “Scoping Paper for the Development of Eco-City Development Award for Asia and the Pacific”, **UN-ESCAP**, Bangkok, 2008
- GEF Consultant** Sustainable Mobility in Indian Cities Project, **UNDP**, Delhi India, 2006–07
- Foreign Guest Professor** Prestigious BRAIN KOREA 21 Programme of South Korea, Department of Civil and Environmental Engineering, University of Ulsan, **Korea**, 2007
- Guest Faculty** Indian Institute of Forest Management, Bhopal, India, March 2007, March 2009, February 2011; March 2012; and March 2013 Sessions

Fellowships (Eleven – Nine International)

- Korean Institute of International Economic Policy (KIEP), **Government of Korea**, 2014
- **Global Carbon** Fellowship, National Institute for Environmental Studies Japan, 2010
- **BRAIN KOREA** Programme of Government of Korea, University of Ulsan, South Korea, 2009
- **Japan** Waste Research Foundation Invitation Fellowship Program for Research in Japan 2007-08
- **Brain Pool Korea** Program (2007-08) KOREA
- **Brain Korea** (BK-21) Guest Foreign Professor, University of Ulsan, Ulsan, Korea, 2007
- **Swedish** International Development Cooperation Agency, Asian Institute of Technology, 2002
- International Human Dimensions Programme on Global Environmental Change, Bonn, **Germany**, 2000
- **MHRD**, Govt. of India, IIT Kharagpur, PhD (1996-99)

Academic Invitations - One hundred and twenty five (125)**International Invitations:** Sixty Four (64)

Invited by

- International Institutions;
- Development Agencies;
- Corporates,
- Universities,
- Research Organizations and
- Intergovernmental Bodies

**Widely Invited by International and
National Development Agencies
Institutions/ Organizations / Universities**

National Invitations: Sixty One (61)

Invited by

- National Institutions such as IITs, IIMs;
- Development Agencies;
- Corporates,
- Universities,
- Research Organizations and
- Various Ministries and Departments of Government of India

Conferences Attended

Total Attended : Eighty Eight (88)

International : Fifty Four (54)

National : Thirty Four (34)

Note: Detailed list is given at the end

Conferences/Workshops Organized

Total : Nine (9)

International : Five (7)

National : Two (2)

Publication Record (116 - One Hundred and Sixteen)

Papers in Refereed International Journal	34
Books Published by International and National Publishers	5
Chapters in Published Book	10
Papers in Reputed Working/Discussion Papers	6
International Reports	16
Papers in <u>Refereed</u> International Conference Proceedings	28
Papers in Refereed National Journals	2
Papers in National Conference Proceedings	9
Dissertations	6
Total	116

Note: Detailed list is enclosed at the end

Published in all Major and Reputed Journals in the Field of Environmental Engineering, Policy and Sustainable Development

Research Projects and External Funding Obtained

Academic/Industrial Research Projects Funded by External Agencies/Government of India	10
Industrial Consultancy Works/Research	4
Developmental Consultancy/Research	5
Capacity Building/Training Programmes	2
Workshops/Conferences	7
Note: Detailed list is enclosed at the end	
Total	28

Total Funding Amount is Rs.164.4 lakhs (365,333 USD) 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.

Important Positions/Responsibilities Held

- ❖ **Independent International Evaluator** for Malé Declaration - An inter-governmental treaty Implemented by SACEP, **UNEP** – RRC.AP, 2012-13
- ❖ **Consultant** for Sustainable Transport in India, UNDP-MoEF, 2013 –14
- ❖ **Panel of Subject Experts**, Narotam Sekhsaria Foundation, Mumbai, India, 2014
- ❖ **Coordinator**, IGIDR Silver Jubilee Conference on Cities and Sustainability (CCS), IGIDR, Mumbai, India 2013
- ❖ **Expert** for the review of the WG-II, Fifth Assessment Report (AR5) of **IPCC**, 2013
- ❖ **Reviewer** for the CSR Report-2011 of the Global Networking Equipment Corporate Giant – CISCO Systems Inc., San Jose, **USA**
- ❖ **Sustainability Expert** for Bloomberg, the global financial data and media Corporate Giant, New York, **USA**, 2012
- ❖ Indian Government (MHRD) seconded **Visiting Professor**, at **Asian Institute of Technology** (AIT), Thailand , 2012
- ❖ **Senator** at National Institute of Technology (NIT), Warangal, Andhra Pradesh, India, 2008
- ❖ **Professor In-Charge** for the Module of Environment under the project “Roles of Agriculture”, **UN-FAO**, Italy 2001-03
- ❖ **Project Director**, Asian Regional Project on Energy, Environment and Climate Program, **Swedish Agency** (Sida), 2002–07
- ❖ **Journal Editor** (Special Issues), International Journal of Environment and Pollution, Inderscience Publishers, **Switzerland** 2002
- ❖ International **Consultant** to **UNEP**; **UNDP**; **UNU**; the **World Bank**; **IGES**; **UN-ESCAP**; **GEF**; **UN-FAO**; **ADB**, **Government of India**

Honours and Academic Recognition

- Government of India nominated **Member of the Court** of Central University of Jharkhand, India
- **Editorial Board Member**, for Journals “Current World Environment”, Open Transportation Journal
- **Member, Scientific Board** of Civil & Environmental Engineers, International Institute of Engineers
- **Panel of Subject Experts** for Selections, Narotam Sekhsaria Foundation, Government of India
- Member, World’s **WHO IS WHO** published by Morquis, USA
- **Intergovernmental Panel on Climate change (IPCC)** Annual Assessment Report Reviewer
- Review of Corporate Social Responsibility Report for Internationals corporates
- Sustainability Expert for **Bloomberg**
- Government of India secondment to Asian Institute of Technology (AIT), Thailand to teach
- Invited Expert and Key Note Speaker, First **Asia and Pacific Mayor’s Forum**, UN-ESCAP.
- Rapporteur for a session at **UN-MECD** - United Nations Ministerial Conference, 2005
- Presidential Key Note Lecture at the Annual Meeting of Korean Society of Environmental Engineering, University of Ulsan, Ulsan, South Korea, May 2008.
- Winner of Fellowship for Best Paper from GEF of the World Bank, Alexandria, Egypt, May 2008,
- Series of Invited Lectures/Talks at various Universities and Institutions of South Korea (2007-2008)
- International Peer Reviewer for the Netherlands Foundation for WOTRO, Netherlands
- Associate, LEAD, COHORT-13, India – a UK based international NGO
- Papers rated 4th & 9th most downloaded article from Elsevier’s TOP 25 by Elsevier Publisher
- Fast track Young Scientist Research Grant from DST, Government of India (2001)

An International Reviewer and Evaluator for Development Initiatives; Intergovernmental Treaties; and Research

Administration, Policy Advice, Institution Building and Research Coordination

- Member, District **Consent Committee** of AP Pollution Control Board, Warangal Regional Office, 2009-10)
- **Advisor** for the Warangal Municipal Corporation (Municipal Commissioner) on Environmental Management, particularly Municipal Solid Waste Management, 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)

University and Academic Administration

- 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**)
- Member, **Institute Planning Board**, IGIDR, Mumbai Since 2013
- Member, **Executive Committee**, IGIDR, Mumbai, India since January 1st 2014
- Member, **Academic Programme Restructuring Committee**, IGIDR, Mumbai, India
- **Senator**, National Institute of Technology, Warangal, INDIA, 2008-10)
- Member, **Academic Council**, CED, National Institute of Technology, Warangal, INDIA (2008-10)
- Member, **Academic Council**, IGIDR, Mumbai, since 5th December 2005
- Member, **IGIDR Silver Jubilee Conferences Organizing Core Group**, IGIDR, Mumbai, India, 2012-13

- **Advisor** (Vice-President), Civil Engineering Association, National Institute of Technology, Warangal, INDIA
- Member, **Departmental General Council**, CED, National Institute of Technology, Warangal, INDIA, 2008-10)
- **Professor In-charge**, Institute Quiz Committee, National Institute of Technology (NIT) Warangal
- **Departmental Graduate Thesis Coordinator**, CED, National Institute of Technology, Warangal, 2009-10
- Departmental **Seminar Coordinator**, CED, National Institute of Technology, Warangal, INDIA (2009)
- **Coordinator**, Graduate (PhD) application scrutiny, CED, National Institute of Technology (NIT), Warangal
- Member, **Organizing Committee**, International Conference on Economic Instruments for Water Resources Management held on 9th January 2009, IGIDR, Mumbai, India
- IGIDR Institute's **Library Committee**; Post-doctoral Fellow **Selection Committee**; Institute **Seminar Coordination Committee**; **Computer Committee**; Graduate **Admissions Committee**; **IGIDR Entrance Exam Panel/Selection Panel**; Faculty Coordinator, Students' Newsletter; Institute **Transportation Committee**

Research and Project Coordination

- R&D Projects
- International Development Agencies Projects
- Industrial Consultancy
- Development Consultancy
- Capacity Building
- Conferences

International Work Experience

- Worked at Korean Institute for International Economic Policy, **South Korea**, as Visiting Fellow (May–Jun'14)
- Worked at Asian Institute of Technology (AIT), **Thailand** as a Visiting Professor, 2012
- Worked at the National Institute for Environmental Studies (NIES), Tsukuba, Ibaraki, **Japan** (Oct-Nov 2010)
- Associated for work with HMR International Environmental Consultants, Sultanate of **Oman** since Sept 2010
- Worked at the Department of Civil & Environmental Engineering, University of Ulsan, **Korea**, Oct'07 – Sept' 08
- Worked at the Department of Civil and Environmental Engineering, University of Ulsan, **Korea**, January 2007
- Worked at Urban Environmental Division, Institute for Global Environmental Strategies, **Japan**, 2004-05
- Worked as Consultant at UE Division, Institute for Global Environmental Strategies, **Japan** (2003-04)
- Worked as Post-doctoral fellow at Asian Institute of Technology (AIT), Bangkok, **Thailand**, 2002.

Worked as Post-doctoral research fellow at SERD, Asian Institute of Technology **Thailand**, 2001.

Professional Memberships

- Member, Editorial Board, Current World Environment - published by Enviro Research Publishers
- International Associate Member, Japan Society on Water Environment (JSWE), Tokyo, Japan
- Member, Scientific Board of Civil & Environmental Engineers, International Institute of Engineers (IIEng)
- Member of Technical Committee of Conference, International Academy of Arts, Science and Technology
- Member, Global Development Network (GDN), USA
- Member, Solid Waste Management Experts in Asia and the Pacific Island (SWAPI), Japan
- Member, American Society of Civil Engineering (ASCE), USA
- Member, Korean Society of Environmental Engineers, Seoul, South Korea
- Member, The Institution of Engineers (India) (MIE) – Civil Engineering
- Member, Administrative Staff College of India (Association), (ASCI), Hyderabad, India
- Associate, Leadership in Environment and Development (LEAD), New Delhi, India
- Member, International Environmental Law Research Centre, Châtelaine-Geneva Switzerland
- Member, Clean Air Initiative (CAI-ASIA), Manila, Philippines
- Member, South Asian Network For Development and Environmental Economics, The World Bank, USA
- Member, International Solid Waste Association (ISWA), Denmark
- Member, International Society for Ecological Economics, (ISEE) U.S.A.

Editorship and Review Works

- Member Editorial Advisory Board for Handbook of Research on Climate Change on Health and Env Sustainability being Edited by Soumyananda Dinda, IGI Global Publishers, USA
- Member Editorial Board of “Current World Environment”, an international journal published by CWE Journals published by Enviro Research Publishers
- Member Editorial Board, “The Open Transportation Journal” published by Bentham Science Publishers
- Editor Special Issue on “Environmental Implications of Urban Transportation in Asia”, International J. of Environment and Pollution, Inderscience Publishers, Switzerland (2007)
- 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

Peer Reviewer for more than 30 International Journals from Major Publishers

Reviewer for all major Journals in the Area of Environment

Reviewer for more than thirty (30) International Journals

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

Teaching and Research Guidance

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 (IGIDR), Mumbai as a Regular Faculty
- Indian Institute of Forest Management (IIFM), Bhopal as a Guest Faculty

**Taught for the last 18 years at AIT-Thailand; IIT; NIT-Warangal;
University of Ulsan-South Korea; IGIDR-Mumbai; IIFM-Bhopal**

Research Supervision

Degree	Total	Completed	Ongoing
Doctoral (PhD)	2	1	1
Master (M.Tech, M.S)	7	6	1
Undergraduate	4	4	0
Total	13	11	2

Note: Details are given at the end

Thesis (Graduation, Post-Graduation and PhD) Evaluation as External Examiner

- Theses of European Masters in Law and Economics under Erasmus Mundus Program
- Indian Institute of Technology (IIT), Bombay, India
- Indian Institute of Technology (IIT), Delhi, India
- Pondicherry University, Puducherry, India
- National Institute of Technology (NIT), Warangal, India

Personal Information

- Place of Birth : Mummidivaram, Andhra Pradesh, India
- Date of Birth : 25th August 1971
- Age : 43 Years
- Gender : Male
- Interests : Taekwondo (Advanced) – Korean Marshal Art