

## PUBLICATIONS

Total Publications	91
Books	4
Chapters in Books	7
International Refereed Journal Papers	26
International Refereed Journal Papers (submitted/revised)	10
National Refereed Journal Papers	1
International Refereed Conference Publications	17
National Conference Publications	9
International Project Reports	11
Dissertations	6

### Books and Edited Volumes

- *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
- *Issues in Urban Environmental Management* - Special Issue of International Journal of Environment and Pollution, **Inderscience publishers, Switzerland** (2003) - Edited Volume
- *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
- *Urban Transportation and Its Impact on the Environment - Issues, Alternatives and Policy Analysis*, Sudhakar Yedla, Narosa Publishers (to be released in 2011)

### Chapters in Books

- 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).

- Sudhakar Yedla, Transportation Trends, Alternatives and Policy Issues, **India Development Report 2004-05**, Oxford University Press, Eds. Radhakrishna and Parikh (2004)
- 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)
- 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) - Sudhakar Yedla and Sowjanya Peddi, “Agriculture and Environment”, In The Handbook of Agriculture in India, (Ed. Shovan Ray) **Oxford University Press**, India (2007)
- 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).
- 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)

### International Refereed Journal Papers

- Sudhakar Yedla, and Ram M. Shrestha, “Application of Analytic Hierarchy Process to the Prioritization of Transport Options – Comparative Analysis of Group Aggregation Methods” **International Journal of Environmental Policy and Decision making**, Inderscience Publishers, (to appear in the last quarter of 2010)
- Sudhakar Yedla, “Decision Making in Environmental Management - Prioritization of Strategies for the Replication of Dhaka’s Community-based Decentralized Composting Model using AHP”, **Waste Management Research**, Top ranked International Journal published by International Society for Solid Waste Management (ISWA), USA (in press), first published on August 10, 2010 as doi:10.1177/0734242x10380116
- Krishna Chaitanya T., Sudhakar Yedla, “Adsorption of Hexa-valent Chromium Using Treated Wood Charcoal – Elucidation of Rate-limiting Process”, **Environmental Technology, UK, Vol. 31 No (14)** pp:1495-1505

- Sudhakar, Yedla and Anil Kr. Dikshit, "Competitive Sorption of Pesticides onto Treated Wood Charcoal and the Effect of Organic and Inorganic Parameters on Adsorption Capacity" **Journal of Environmental Engineering, ASCE**, Vol. 136, No.10, pp. 1096-1104, 2010 – **TOP ranked Journal**
- Sudhakar Yedla and Park, Hung-Suck, "Co-benefits as an approach to align climate change concerns with the national development objectives: Solid waste management", **Journal of Material Cycles and Waste Management (JMCWM)**, Vol. 11, No.2, 2009 (Elsevier)
- Sudhakar, Yedla and Anil Kr. Dikshit, "Removal Of Endosulfan From Water Using Wood Charcoal- Adsorption And Desorption", **Journal of Environmental Engineering, ASCE**, Vol. 134, No.2, pp: 102-109 (2008) – **TOP ranked Journal**
- Shrestha, R.M., Islam, N., Kim Oanh, N.T., Adhikari, S., Yedla, S., Jiang, K., Tuan, U.S.N.D., Abrenica, J., "Strategies for the Promotion of Cleaner and Energy Efficient Technologies in the Urban Transport System in Selected Asian Cities", **International Journal of Environment and Pollution** Vol. 30, No.1, pp: 45-58 (2007)
- Sudhakar Yedla and Shobhakar Dhakal, "Transportation and Environment in Developing Countries", **International Journal Environment and Pollution**, Vol. 30, No.1, pp: 1-7 (2007)
- Sudhakar Yedla, "Dynamics of Environmental Problems in Mumbai", **Journal of Cleaner Technologies and Environmental Policy**, Springer Verlag, Vol. 8, No.3, pp: 182-7 (2006).
- Sudhakar Yedla, "Modified Landfill Design for Sustainable Waste Management", **International Journal of Global Energy Issues**, Elsevier, Vol. 23, No. 1, pp: 93-105 (2005)
- Imura, H., Sudhakar Yedla, Memon, M.M., Shirakawa, H., "Urban Environmental Issues and Trends in Asia: An Overview", **International Review of Environmental Strategies**, IGES, Japan, Vol. 5, No.2, pp: 357-382 (2005)
- Sudhakar Yedla, Ram M. Shrestha and Gabriel Anandrajah, "Environmentally Sustainable Urban Transportation – Comparative Analysis of Local Emission Mitigation Strategies vis-à-vis GHG Mitigation Strategies", **Transport Policy**, Elsevier, Vol. 12, No. 3, pp: 245-254 (2005)
- Sudhakar, Yedla, "Development of Techno-Economic Integrated Models: LFSGR and Aerobic Composting for Municipal Waste Management", **Environment and Development Economics**, Cambridge University Press, Vol. 8, No. 4, pp. 655-677 (2003)

- Sudhakar Yedla, and Sarika Kansal, "Economic Insight to MSW Management in Mumbai", **International Journal of Environment and Pollution**, Vol. 19, No. 5, pp: 516-527 (2003)
- Sudhakar Yedla, and Ram M. Shrestha, "Multi-criteria Approach for the Selection of Alternative Options for Delhi Transport System", **Transport Research, Part A – Policy and Practice**, Elsevier publisher, Vol. 37 (8), pp: 717 – 729 (2003)
- Sudhakar Yedla, Jyoti K. Parikh, Ram M. Shrestha, "Sustainable Transportation – Impact of CO<sub>2</sub> Mitigation Strategies on Local Pollutants", **International Journal of Environment and Pollution**, Vol. 19, No. 5, pp: 475-482 (2003)
- Sudhakar Yedla, "Issues in Urban Environmental Management", (editorial note) **International Journal of Environment and Pollution**, Vol. 19, No. 5, pp: 417-420 (2003)
- Sudhakar Yedla, Jyoti K. Parikh, "Development of Purpose Built Landfill System for the Control of Methane Emissions from Municipal Solid Waste", **Waste Management**, Elsevier Publishers, Vol. 22, No. 5, pp: 501-506 (2002)
- Sudhakar, Yedla, Mitra, A., Bandyopadhyay, M., "Purification of paper and pulp industrial effluent using aquatic weed *Eichornia crassipes*" **Environmental Technology, UK**, Vol.23, No.4, pp: 453-465 (2002)
- Sudhakar, Yedla, and Dikshit, A. K., "Development of Fixed Bed Adsorber for Abatement of Endosulfan in Aqueous Media", **Environmental Technology, UK**, Vol. 23, No. 1, pp: 97-108 (2002)
- Sudhakar, Yedla and Dikshit, A. K., "Removal of endosulfan using aerobic mixed bacterial cultures", **International Journal of Environment and Pollution**, Vol.15, No.5, pp: 543-552 (2001)
- Sudhakar, Yedla, and Dikshit, A. K., "Removal mechanism of endosulfan on to wood charcoal", **Int. Journal of Environment and Pollution**", Vol.15, No.5, pp: 528-542 (2001)
- Sudhakar, Yedla and Dikshit, A.K., "Methodology for Management of Endosulfan Contaminated Eluent" **J. Environ. Sci. Health, Part-B (USA)**, Vol.B36, No. 2, pp: 355-364 (2001)
- Sudhakar, Yedla and Jyoti K. Parikh, "Economic Evaluation of LFSGR for MSW Management: A Case Study", **International Journal of Environment and Pollution**, Vol. 15, No. 4, pp: 433-447 (2001)

- Sudhakar, Yedla, and Dikshit, A. K., "Kinetics of endosulfan sorption on to wood charcoal" **J. Environ. Sci. & Health Part-B (USA)**, Vol.B34, No.4, pp: 587-615 (1999)
- Sudhakar Yedla, Dikshit A. K., "Adsorbent selection for the removal of Endosulfan from water environment", **J. Environ. Sci. & Health Part-B (USA)**, Vol. B34, No. 1, pp: 97-118 (1999)

### **International Refereed Journal Papers (Submitted/Revised)**

- Sudhakar Yedla, Tran Chau Nhi and Hung-Suck Park, "Eco-Industrial Networking for Sustainable Development in Asia – A Review of Issues and Development Strategies" Revised version submitted to **Journal of Industrial Ecology**, an international journal published by MIT Press, USA
- Sudhakar Yedla, Tran Chau Nhi and Hung-Suck Park, Identification of Locally Appropriate Strategies to Promote Eco-Industrial Parks – Designing a Universal Questionnaire" Revised version submitted to **Journal of Industrial Ecology**, an international journal published by MIT Press, USA
- Sudhakar Yedla, Climate Change Initiatives in Urban Transportation – Strategies to Promote Non-Motorized Modes in Indian Cities, Submitted to **Transport Reviews** (Elsevier)
- Sudhakar Yedla, "Choosing between global and local mitigation strategies in transport sector – Which way to go?" IGIDR Working Paper WP-2007-09
- Sudhakar Yedla, "Decision Making in Environmental Management - Prioritization of Strategies for the Replication of Dhaka's Community-based Decentralized Composting Model using AHP" – IGIDR Working paper WP-2007-10
- Sudhakar Yedla, and Ram M. Shrestha, "Application of Analytic Hierarchy Process to the Prioritization of Transport Options – Comparative Analysis of Group Aggregation Methods"– IGIDR Working Paper WP-2007-11
- Sudhakar Yedla and Ram M. Shrestha, "Prioritization of Strategies to Overcome Barriers for Cleaner and Energy Efficient Alternatives in Urban Transportation – Multi-criteria Approach" (Revised version at **Journal Transport Policy**, Elsevier) – IGIDR Working paper WP-2007-12
- Sudhakar, Yedla, and Shrestha, R.M., "Barriers to CNG and battery operated vehicles in Mumbai – Prioritization by adopting Analytic Hierarchy Process" (Revised version with **Journal Transport Policy, Part A – Policies and Practices**, Elsevier Publishers)

- Sudhakar Yedla, “Urban Environmental Evolution: The Case of Mumbai” (In revision with **Environment and Development Economics**, Cambridge University Press)
- Sudhakar Yedla, “Strategies for the Replication and Sustainability of Urban Environmental Innovations – A Case of Community-based Decentralized Composting in Dhaka” (With **International Journal of Sustainable Development**, Inderscience Publishers)

### **National Refereed Journal Papers**

- Sudhakar, Yedla and Dikshit, A.K., “Removal of Endosulfan from Aqueous Phase” **Journal IAEM**, Vol.26, No.1 February 1999.

### **International Refereed Conference Papers**

- Sudhakar Yedla, ‘Mainstreaming Climate Change and Greening Concerns into the National Development Objectives: Issues of Governance at Different Levels’, 2nd Yale-UNITAR Conference on Environmental Governance and Democracy - Strengthening Institutions to Address Climate Change and Foster a Green Economy, **Yale University, USA** 17-19 September 2010
- Sudhakar Yedla and Hung-Suck Park, “Eco-Industrial Networking for Sustainable Development in Asia – A Review of Issues and Development Strategies”, International Conference organized by the International Society for Industrial Ecology (**ISIE**), Lisbon, **Portugal**, 21-24 June 2009.
- Sudhakar Yedla, “Co-Benefit as an Approach to Align Climate Change Concerns with the National Development Objectives: Solid Waste Management”, 14th Annual International Sustainable Development Research Conference, New Delhi, India, September 21-23, 2008
- Sudhakar Yedla, “Climate Change Mitigation Initiatives in Urban Transportation – Strategies to Promote Non-Motorized Modes of Transportation”, “**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**
- Sudhakar Yedla and Hung Suck-Park, “Eco- Industrial Networking for Sustainable Development in Asia –Issues and Development Strategies”, International Conference on “Green Growth”, IBS, Hyderabad, India 17-18<sup>th</sup> December 2008.

- Sudhakar Yedla, “Co-Benefit as an Approach to Align Climate Change Concerns with the National Development Objectives: Solid Waste Management”, Proc. 3<sup>rd</sup> Expert Meeting on Solid Waste Management in Asia and Pacific Islands, 7-9 November 2007, Okayama, **JAPAN**
- Sudhakar Yedla, “Strategies to Promote Non-motorized Modes of Transportation in Mumbai”, **Better Air Quality Conference (BAQ - 2006)**, CAI-Asia and ADB, Yogyakarta, **Indonesia**, 13-15 December 2006.
- Sudhakar Yedla, “Choosing between Global and Local Emission Control Strategies in Urban Transport Sector – Which way to go?”, **International Open Science Meeting of International Human Dimensions Program (IHDP)**, Bonn, **Germany** 10-13 Oct 2005.
- Sudhakar Yedla, “Co-benefits from Urban Transportation Strategies – Comparative Analysis of Local Emission Control Strategies vis-à-vis GHG Mitigation Strategies”, Proc. **Better Air Quality in Asia and Pacific Rim Cities, Agra, India**, December 2004.
- Shrestha, R.M., Islam, N., Kim Oanh, N.T., Adhikari, S., Yedla, S., Jiang, K., Tuan, U.S.N.D., Abrenica, J., Role of Transport Sector in Air Quality in Selected Asian Cities, Proc. **Better Air Quality in Asia and Pacific Rim Cities**, Agra, India, December 2004.
- Sudhakar Yedla, “Transportation trends, alternatives and policy issues in Indian cities”, Proc. **Better Air Quality in Asia and Pacific Rim Cities, Philippines**, December 2003.
- Sudhakar Yedla, Jyoti Parikh and Ram M. Shrestha, “Sustainable Urban Transport Sector and Possibilities for CO<sub>2</sub> Mitigation”, Proc. **Better Air Quality in Asia and Pacific Rim Cities, Hong Kong**, 16-18 Dec. 2002.
- Sudhakar Yedla, “Index Development for Emission Reduction Potential of Various Alternative Transportation Options: Methodology and Application”, Proc. **Fifth International Conference of the International Society for Ecological Economics, Russian Chapter**, Moscow, Russia, September 26-29, 2001.
- Sudhakar, Yedla, “Purpose Built Landfill System for the Control of Methane Emissions from Municipal Solid Waste” Proc. **The Second International Methane Mitigation Conference, Novosibirsk, Russia**, June 18-23, 2000.
- Sudhakar Yedla, “Environmental Valuation - An Effective Tool for Environmentally Sustainable Development “, **Proc. 4th International Conference on Eco-Balance, Tokyo**, October 30-November 2, 2000.

- Sudhakar, Yedla and Jyoti K. Parikh, "Valuation of LFSGR for the Management of MSW: A Case Study", **Proc. Sixth International Workshop of Environmental Technology Research Network in the Asia-Pacific Region**", 25-26 November 1999, **Japan**.
- Sudhakar Yedla, "Formulation of aquatic weed purification system", International conference on Environmental planning and management, pp. 302-307, **March 1996**, Nagpur, India.

### **National Conference Papers**

- Sudhakar Yedla, "Dynamics of Environmental Problems – Why are the Issues Unique in the Developing Cities of Asia, **Civil Arena**, an official magazine of the Civil Engineering Association (CEA), National Institute of Technology (NIT), Warangal, India, April 2010, pp-29-31.
- Sudhakar Yedla, "Management of Pollution in Pesticides Industry: Integration of Economics with Pollution Prevention", National Seminar on Industrial Pollution and Control (**IPC-2000**), **BHU**, Varanasi, India, **18<sup>th</sup> – 19<sup>th</sup> Feb. 2000**.
- Sudhakar, Yedla and Jyoti. K. Parikh, "Feasibility Study of Landfill Technology for the Management of MSW: A Case Study of Mumbai", 'workshop on Municipal Solid Waste Management', **West Bengal Pollution Control Board**, Calcutta, **15<sup>th</sup> November 1999**.
- Sudhakar, Yedla and Dikshit, A.K., "Development of a Fixed Bed Adsorber for the removal of endosulfan from drinking water", National Seminar on Water Resources Management for Sustainable Development, **S. V. University**, Tirupati, **12-13 March 1999**.
- 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**.
- 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.
- 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.

- Sudhakar Yedla, "Aquaculture", '**The Botanica**', Magazine of Delhi University Botanical Society (DUBS), Vol.45, 1995, New Delhi.
- 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.
- 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.

### **International Project Reports**

- *Issues and Strategies Required for EIP Implementation in Ulsan, South Korea - Identified Based on Multi-actor Group Questionnaire Survey* (2009) A report submitted to BRAINPOOL Programme, Government of Korea - Prepared by Sudhakar Yedla and Hung-Suck Park, at the Ulsan EIP Center, University of Ulsan.
- *Scoping Paper for the Establishment of a UNESCAP Eco-City Development Award* (2008), A report submitted to ESD Division of UN-ESCAP, Bangkok – Lead Author: Sudhakar Yedla
- *Non-motorized Modes of Transportation for Sustainable Mobility – Strategies for Its Adaptation in Mumbai* (2006), UE Project, Institute of Global Environmental Strategies (**IGES**), Japan – Lead Author: Sudhakar Yedla
- *Cleaner Mobility in Urban Areas of India* (2006), A full sized GEF-Proposal prepared for **UNDP** and Ministry of Urban Development, Government of India. Prepared by Sudhakar Yedla and P. Balachandra
- *Strategies for Promotion of Energy Efficient and Cleaner Technologies in the Urban Transportation System in Selected Asian Countries* (2004), Indira Gandhi Institute of Development Research, Mumbai, India (under “Asian Regional Research Programme on Energy, Environment and Climate Phase-III funded by Swedish International Development Cooperation Agency) – Lead author: Sudhakar Yedla
- *Socio-Economic Analysis and Policy Implications of the Roles of Agriculture in Developing Countries* (2003) – ‘Role of Agriculture’ in short, funded by **Food and Agriculture Organization of the United Nations (FAO)** – Lead Author for Environment Module along with Sowjanya Peddi

- *Environmental Evolution of Mumbai* (2002), Commissioned paper, Institute of Global Environmental Strategies (**IGES**), Tokyo, Japan – Lead author: Sudhakar Yedla
- *Environmentally Sustainable Urban Transportation – Comparative Analysis of Local Mitigation Strategies against GHG Mitigation Strategies* (May 2002), Energy Program-Asian Institute of Technology (AIT), Bangkok, Thailand – Author: Sudhakar Yedla
- *Socio-Economic Impact Assessment for the Bauxite Mining and Alumina Refinery Unit in Lanjigarh, Orissa* (May 2002), Report submitted to Tata-AIG Risk Management Services Ltd., Mumbai, India – Lead author: Sudhakar Yedla
- *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 2001), Energy Program-Asian Institute of Technology (AIT), Bangkok, Thailand – Author: Sudhakar Yedla
- *Analysis of Technical Options for Mitigating Environmental Emissions from The Urban Transport System in Selected Asian Countries – Case study of Delhi and Mumbai* (2002), Indira Gandhi Institute of Development Research, (under “Asian Regional Research Programme on Energy, Environment and Climate Phase-II funded by Sida) – Authors: Sudhakar Yedla, Jyoti K. Parikh and Anajana Das

### **Dissertations**

- *Design of Multi-storeyed RCC Framed Structure (Computer aided analysis) by Limit State Design (B.E. Civil Engineering Thesis) - 1993*
- *Design and Evolution of Purification Process for the Treatment of Pulp & Paper Mill Effluent using Water Hyacinth (Eichornia Crassipes) (M. Tech. Dissertation) – 1995*
- *Abatement of Endosulfan Pollution from Water Environment using Indigenous Wood Charcoal (Ph.D. Dissertation) - 1999*
- *Application of Analytic Hierarchy Process for the Selection of Alternative Options for Urban Transportation in India – Analysis of Group Aggregation Methodology Adopted in AHP (Post-doctoral Dissertation submitted to AIT, Thailand) - 2001*
- *Environmentally Sustainable Urban Transportation – Comparative Analysis of Local Mitigation Strategies vis-à-vis GHG Mitigation Strategies (Post-doctoral Dissertation submitted to AIT, Thailand) – 2002*

- *Climate Change Negotiations beyond Kyoto - Developing Countries' Perspective (Dissertation/Essay for the Diploma in International Environmental Law - United Nations Institute for Training and Research) - 2006*