

RESEARCH INTERESTS

1. Integrated approach to energy system analysis
2. Cleaner production and eco-efficiency
3. Green buildings and industries

Areas of Expertise:

1. Energy conservation, efficiency and management
2. Resource-efficient and low-carbon urban development
3. Access to energy
4. Clean energy financing

TEACHING

1. Rational use of energy in buildings
2. Rational use of energy in industry
3. Integrated approach to energy auditing
4. Energy management system

SELECTED PUBLICATIONS

1. Mohanty. B (2012), Sustainable Urban Energy: A Sourcebook for Asia, UN-Habitat (Nairobi) and International Urban Training Centre (IUTC), 2012
2. Mohanty. B. (2012), Buildings: Policy recommendations for the development of eco-efficient infrastructure, United Nations (UN ESCAP), 2012
3. Mohanty B., Scherfler M. & Devatha V. (2012), Lifestyle Choices & Societal Behavior Changes as Local Climate Strategy, ADB and ADBI Flagship Study: Climate Change and Green Asia
4. Mohanty B. (2011), Environment and resources management in the tourism industry: the specific case of the accommodation sector, Energy Efficiency Manager, Vol. 4, No2, April-June, pp.12-17

5. Mohanty B. (2011), Development of cogeneration and district energy (CDE) networks in South-east Asia, Proceedings of the 2nd European Conference on Polygeneration, Tarragona, Spain, 30 March-1 April 2011
6. Mohanty B. (2011), Lifestyle choices and societal behaviour change as climate change strategy, Climate Change and Green Asia Workshop, Tokyo, Japan, 28 February-1 March 2011
7. Mohanty B. (2010), Energy efficiency: challenges and opportunities for green Asia Pacific business and green bridge with Europe, Business Forum: Green and competitive, 6th Ministerial Conference on Environment and Development, Astana, Kazakhstan, 30 September 2010
8. Mohanty B. (2010), Sustainable urban energy solutions for Asia, Polycity Final Conference, Citynet Workshop, Stuttgart, Germany, 15-17 September 2010
9. Mohanty B. (2010), "Sustainable tourism in the present context", Workshop on Sustainability in the Accommodation Sector: Practical tools for good environmental Practices in Tourism Businesses, organized by the Tourism Authority of Thailand and United Nations Environment Program, Chiang Mai, Thailand, 8 July

ONGOING AND COMPLETED PROJECTS

N/A

AWARDS AND HONORS

1. "Doctoral Thesis of the year" award by the French National Centre for Scientific Research (CNRS), 1985
2. "Best student" award by the Sri Aurobindo international Centre of Education, 1979

PROFESSIONAL AFFILIATIONS

Member, American Society for Heating, Ventilation and Air Conditioning Engineers

RESEARCH KEYWORDS

Energy conservation, efficiency and management, low-carbon cities, green buildings, energy access