



AMITY INSTITUTE OF GLOBAL WARMING AND ECOLOGICAL STUDIES

Part of India's leading education group - 80,000 students, 4 Universities, 6 Global Campuses

COMMITTED
TO GREENER
INITIATIVES
FOR A
GREENER
FUTURE



International Projects



EU Supported Haryana Community Forestry Project

Under this project AIGWES has prepared the Project Design Document for the "Sirsa Small Scale Cooperative Afforestation CDM Project Activity on Private Lands Affected by Shifting Sand Dunes" which has been successfully validated and registered with the UNFCCC. This is the first small scale forestry CDM project in the world.



International Tropical Timber Organization (ITTO) Workshop on CDM/PDD Preparation

AIGWES has been commissioned by the International Tropical Timber Organization for training forestry professionals from South Asian countries in Project Design Document (PDD) preparation under CDM.



The UK Department for International Development (DFID) Supported Orissa Forestry Sector Support Project

Under this project, AIGWES has completed a capacity building program on CDM/VCM investment and preparation of Project Design Document for Forestry, Bio-Fuel and Renewable Energy Projects.



Effects of Climate Change on Man – Elephant Conflict in the Mining Affected Areas of Northern Orissa

This unique project funded by RIO TINTO is possibly the only study that aims to understand the role of climate change on the increasing conflicts between man and elephants due to resource scarcity. This project seeks to develop long term conservation strategies to minimize man–elephant conflicts.



Feasibility study for carbon market opportunity for rural community through forestry in Orissa funded by DFID

Other Project Highlights

PROJECTS IN INDIA

- Climate change and global warming awareness campaign for school children
- Development of CDM forestry project in Orissa
- Study on effects of habitat fragmentation on endangered capped langur (*Trachypithecus pileatus*) in Assam.
- Study on effects of shifting cultivation on carbon stocks and carbon emissions in North-East India
- Study on Golden Langur (*Trachypithecus geei*) threatened by habitat fragmentation in Assam

Workshops/Seminars for Indian Administrative Service (IAS), Indian Forest Service (IFS) and Indian Post Officers

AIGWES has worked in conjunction with Arun School of Natural Resource and Sustainable Development (ASNRS) in organizing several seminars and workshops for senior officers. The themes of some of these workshops are:

- Clean Development Mechanism (CDM) Project Development under Land Use and Land Use Change and Forestry
- Geographic Information System (GIS) Technology in Port Environment Compliance and Management
- Conservation of Asian Elephants in Fragmented Habitat: Issues and Challenges
- Global Initiatives on Local Efforts to Address Human Wildlife Conflict
- Climate Change and Indigenous Culture: Vulnerabilities and Adaptation
- Food Security, Poverty and Land Husbandry: Issues, Challenges and Opportunities
- Sustainable Forest Management and Forest Certification: Criteria and Indicators
- Sustainable Natural Resource Development
- Conservation and Participatory Management of Wetlands in India
- Forest Tribal Interface
- Sustainable Rural Employment through Appropriate Land Use Policy: Challenges and Opportunities
- Environmental Impact Assessment of Developmental Projects
- Conservation of Natural Resources and Indian Culture
- Harnessing the Potential of Export Market of Medicinal Plants of India
- Participatory Management of Natural Resources - Latest Trends and Visions
- Management of Water Resources and Water Harvesting
- Bio-safety with Special Reference to Cartagena Protocol for Practicing Lawyers
- Human Rights and Related Environmental Issues
- Institutional, Economical, Technological and Legal Issues Related to Production Possibilities of Bio-diesel from *Jatropha Curcas* (Ratanjot) and *Pongamia Pinnata* (Karanja)
- Biodiversity Conservation and Sustainable Livelihood
- Forest Certification - Implications on Forestry in India
- Natural Resource Accounting System for the Financial Controllers

Distinguished Faculty & Scientists

Mr. JC Kala, IFS (Retd), Director General AIGWES

J.C. Kala is former Director General of Forests and Secretary in the Ministry of the Environment and Forest, Govt. of India with over four decades of experience in Forestry, wildlife and natural resources management both in Federal and State Governments. He spearheaded the world's largest people's movement in forestry in the country popularly known as joint forest management. He also held corporate positions as Chairman of Rubber Corporation and Chairman of Tea Corporation. He represented India in several International conventions including UNFCCC.

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Prof. B.K.P. Sinha, IFS (Retd), Head, ASNRSD - Amity School of Natural Resources and Sustainable Development

Prof. B.K.P. Sinha was an Indian Forest Services Officer of 1968 batch. He is an acknowledged professional in the field of forestry and natural resource management. He has a distinguished career and has served as Principal Chief Conservator/MD, UP Forest Corporation, Project Director, World Bank Forestry Project and as Special Secretary to the Govt. of UP (India). He has lately been National Coordinator for Task Force on inter-linking of rivers. He has also served for several UNDP/FAO projects.

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Dr. Pankaj Tewari, Deputy Director, AIGWES

Dr. Pankaj Tewari specializes in Energy, Environment, Climate Change and Global Warming related issues with extensive experience in renewable energy, wastewater treatment, carbon credit market, Nanotechnology and drug delivery systems (US Patent). He graduated from the world renowned IIT Kanpur (M.Sc.) and IIT Delhi (Ph.D.) and has worked as Post-doctoral Research Fellow, Research Scientist and Management Professional with many Universities/Institutes/Companies globally. He also holds an MBA degree in Natural Resources Energy and Environment from University of Alberta, Canada.

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Dr. Upamanyu Hore, Lecturer, ASNRSD

Dr. Upamanyu Hore is a Ph.D. in Wildlife Science from Wildlife Institute of India, a national institute of worldwide reputation. He has 5 years of research experience in Wildlife and Forestry. His areas of research interests and teaching expertise are in wildlife survey, conservation biology, landscape ecology, restoration ecology and biostatistics.

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Mr. Debojyoti Chakraborty, Lecturer, AIGWES

Mr. Debojyoti Chakraborty is a Post Graduate in Environment Management from Forest Research Institute University, Dehradun, India. He has been associated with many prestigious research projects like, "Beyond Kyoto: EU-India CDM Partnership". He has to his credit several publications in reputed journals and magazines.

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Ms. Parichay, Lecturer, AIGWES

Ms. Parichay holds M.Sc. in Environmental Science from Banaras Hindu University (BHU) and M.Phil. in Natural Resource Management from TERI. She has four years of research experience. She has vast exposure on Clean Development Mechanism, Environment Due Diligence, Environment Audit and Social Impact Assessment while serving in SGS India.

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Ms. Maya Kumari, Lecturer, ASNRSD

Ms. Maya Kumari holds M. Tech. degree in Remote Sensing and GIS technology from Birla Institute of Technology, Mesra, Ranchi and Master's degree in Environmental Science from Banaras Hindu University, Varanasi both world renowned institutes. She has done several research projects related to geospatial mapping of land degradation in Ranchi with Birla Institute of Technology, Mesra, Ranchi.

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Mr. Prabhu Prasad Das, Lecturer, ASNRSD

Mr. Prabhu Prasad Das holds M.Phil and M.Sc. degree in Geology from Uttal University, Bhubaneswar, Orissa. He has done several research projects with Department of Earth and Environmental Sciences, University of New Orleans and Department of Earth Sciences, IIT, Roorkee.

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Key Initiatives of the Institute

Amity Institute of Global Warming and Ecological Studies (AIGWES) aims at enhancing the understanding of the interconnectedness between climate change and the nature around us. The Institute works with the Government of different countries, International Organisations, and Civil Society to arrive at solutions to urgent environmental challenges. It always strives for the possible mitigation options which could be sensible combination of technical and social adaptations that would be required to deal with the consequences of global warming.

Activities of the Institute

AIGWES seeks to make its contributions to the achievement of goals through research, teaching, training and consultancy in the following thrust areas:

1. Climate change mitigation and adaptation primarily, but not exclusively in the land use, land-use change and forestry sectors
2. Vulnerability of food crops in the major food growing areas as a result of increased pest and tropical diseases
3. Effect on biodiversity and wetlands of the entire Himalayan and sub-Himalayan ranges in Asia due to climate change
4. Effect on coastal zone and mangroves of South and South-East Asia due to global warming
5. Biofuels as partial replacement for fossil fuels
6. Socio-economic aspects including migration studies due to global warming in South, South-East and East Asia

AIGWES has rich experience in conducting research and extension programs related to climate change mitigation, adaptation and forestry carbon projects, Clean Development Mechanism (CDM), Voluntary Carbon Market (VCM) including other carbon markets. It has conducted trainings in these areas for Indian Forest Services (IFS) officers and University Professors under the Department for International Development (DFID) and also conducted several awareness programs.



Amity Education Group- A 20 year old legacy of creating future leaders

AMITY UNIVERSITY CAMPUSES



Established by the Chauhan Family more than twenty years ago, the Amity Education Group is a leading education group today, offering globally benchmarked education right from pre-schools to Ph.D. level. Starting with campuses in India, Amity today has campuses around the world and aims to add more in 25 countries over the next few years.

Amity, one of the few universities in India to offer 240 UG & PG degrees, has brought together some of the most eminent scientists, research scholars and corporate leaders from across the world, who are doing research in diverse, cutting-edge areas of science, technology and industry. Such focus on path-breaking innovations, a globally benchmarked infrastructure and outstanding faculty have resulted in Amity institutes being ranked amongst the top by India's most respected surveys.

Amity Campuses Abroad: London, New York, California, Singapore, Dubai and Mauritius

Amity Global Business Schools in India: Ahmedabad, Bangalore, Bhubaneswar, Chandigarh, Hyderabad, Indore, Kolkata, Mumbai, Noida, Chennai, Cochin, Patna and Pune.

The Amity Education Group	80,000 Brilliant Students	240 Programmes covering 45 disciplines	4 World class Universities	150+ Top ranked Institutions	150 Patents filed by Faculty in the last year	300 Case Studies developed by Faculty in the last one year	1000 Acres of Campuses	250 Research Projects funded by the Govt.	30,000 On-campus Placements in the last years
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