COMSATS Science Diplomacy Programme

Lecture on

'Scientific Perspective on Sustainable Development Goals for Pakistan'

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Faculty Development Academy (FDA), Islamabad

ABSTRACT

There are seventeen Sustainable Development Goals for 2016-2030. Each SDG has its own significance for Pakistan, starting from No Poverty and Zero Hunger; the SDGs put emphasis on Good Health and Well-Being; Quality Education; Gender Equality; Clean Water and Sanitation; and Reduced Inequality. All this will become possible due to Decent Work and Economic Growth, based on Industry, Innovation and Infrastructure and Affordable and Clean Energy. All this will result in Responsible Consumption and Production; Sustainable Cities and Communities; Climate Action for Life below Water and Life on Land. The hopeful outcome will be: Peace, Justice and Strong Institutions resulting in national and international Partnerships for the Goals.

ABOUT THE SPEAKER

Dr. Seeme Mallick is an Assistant Professor at CCRD CIIT. She specializes in formulating Climate Change Policy; Climate Change Action Plans; Energy; Renewable Energy; Environmental Economics and Climate Change Finance. She is preparing a research project using Cost-Benefit Analysis for putting Economic Value on Carbon Emission Abatement Process in Pakistan. At CCRD, CIIT she is Principle Investigator for the HEC-NRPU Project Title: "Financial Planning for Energy Security in Pakistan: The Way Forward for Renewable Energy". She recently conducted a HEC funded seminar: "Exploring Financing Options for Renewable Energy Technologies for Energy Security including Option for a Climate Change Investment Bank (CCIB) in Pakistan".

At CCRD, she is responsible for research on Climate Finance in Pakistan. As Consultant Climate Change Policy Formulation with UN Program, Pakistan, she was part of a team that prepared "National Climate Change Policy (NCCP) for Pakistan" and drafted the "Action Plans and Strategies for Climate Change". For NCCP, she has written: 1. Energy Section for Climate Change Mitigation; 2. Technology Transfer for Climate Change; 3. Climate Change Finance; 4. Vulnerable Areas for Climate Change Adaptation: Mountain Areas; Rangeland and Pastures; Arid and Hyper Arid Areas (Desert); Coastal and Marine Ecosystems; and Wetlands. For Climate Change Action Plan for Pakistan, she drafted Action Plans for: Water, Agriculture and Livestock sections, Energy, Industry, Transport and Town Planning sections, Health, Gender and Poverty section and Vulnerable Ecosystems sections. With Mahbub Haq Human Development Centre as Senior Research Fellow, she contributed a chapter: Impact of Climate Change on Food Security in South Asia to Human Development Report 2010-11.

For her PhD at Macquarie University Sydney Australia, she used energy consumption and economic value of air pollutants as a proxy for environmental degradation. Based on that variable, a fund CEM i.e. Cost of Environmental Management was suggested as part of thesis.