



**REPORT ON  
INTERNATIONAL LECTURE SERIES  
ON ENVIRONMENTAL SUSTAINABILITY**

**LORETO COLLEGE  
&  
RESILIENCE INNOVATION KNOWLEDGE  
ACADEMY**

***AN INTERNAL QUALITY ASSURANCE CELL INITIATIVE***

**September 29, 2021**

# REPORT ON INTERNATIONAL LECTURE SERIES ON ENVIRONMENTAL SUSTAINABILITY

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Restoration of ecosystem is fundamental to achieving the sustainable development goals, mainly those on climate change, poverty eradication, food security, water and biodiversity conservation.

The **United Nations General Assembly** declared 2021-2030 as the **UN Decade on Ecosystem Restoration**. The UN Decade is a universal call for the protection and revival of ecosystems around the world, for the benefit of people and nature. This call to action has the purpose of recognizing the need to accelerate global restoration of degraded ecosystems, to fight the climate heating crisis, enhance food security, and protect biodiversity on the planet.

**Loreto College, India** in collaboration with Resilience Innovation Knowledge Academy partnered in spreading this message not one of despair but of hope; hope that in restoring our relationship with nature, our health and quality of life can be restored.

Dr. Ranit Chatterjee is a Postdoctoral fellow at the Graduate School of Informatics, Kyoto University. He did his Ph. D in Environmental Management from Kyoto University, Japan. Trained as an Architect, Dr. Chatterjee did his masters in Disaster Management from Tata Institute of Social Sciences, Mumbai. Dr. Chatterjee is a recipient of the Integrated Research on Disaster Risk Young Scientist fellowship and Commission on Ecosystem Management (CEM) member of IUCN was the resource person.

## LEARNING OBJECTIVES

- Enhance understanding of mangrove ecology
- Identify and fix the present biophysical and socio-economic situation to produce a sustainable, biodiverse mangroves
- Stress on mangrove conservation that provides full suite of ecosystem services
- Focus on the role of stakeholders in mangrove restoration

## LEARNING OUTCOMES

At the end of the Lecture the participants were able to:

- Understand relevant elements of mangrove ecology and biology
- Comprehend that Mangroves are extraordinary ecosystems, which offer an array of ecosystem goods and services.
- Acknowledge that mangroves play an important role in reducing vulnerability to natural hazards and increasing resilience to climate change impacts.
- Conceptualize that managing and restoring mangrove ecosystems is an achievable and cost-effective way to help ensure food security for many coastal communities
- Understand that sustainable restoration is possible if traditional conservation strategies and inclusion of local and resource-dependent communities are given priority in policy making



Mangroves dominate the coastal wetland ecosystems. The communities depend on the ecosystem services and the climate change uncertainties are leading to adaptive transformations in their lives and livelihoods. The presentation starts with an overview of the ecosystem services linked to mangroves, the climate change threats and how communities are an integral part of the conservation

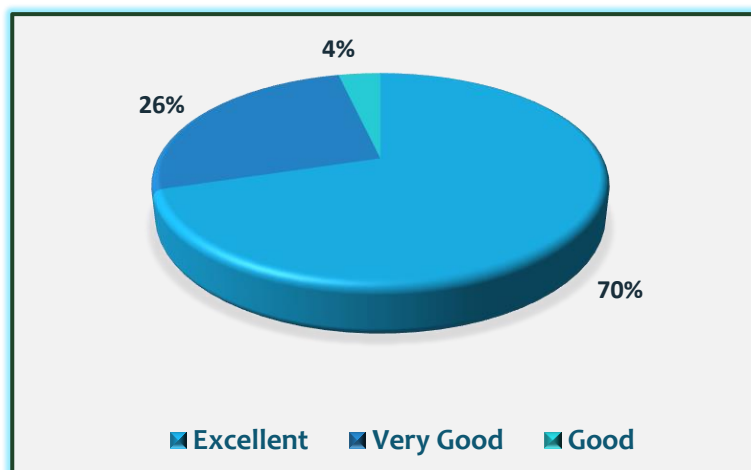
process. To elaborate and discuss further on these lines, two ongoing research cases from Kutch and Sundarbans are shared to draw inferences.

## FEEDBACK SUMMARY REPORT

**Total Respondents: 111**

- Excellent – 78
- Very Good – 29
- Good - 4

### WEBINAR RATING



This Internal Quality Assurance Cell Initiative was a humble step towards preventing, halting and reversing the trend of ecosystem degradation. We plan to organize interactions with experts on other vulnerable and threatened ecosystems, as part of the International Lecture Series.