To
The Director,
RV Institute of Management,
CA 17, 36th Cross Rd, 4th T Block East,
Jayanagar, Bengaluru, Karnataka 560041

Date:30.10.2025
Place: Bengaluru

Subject: Request for Reimbursement of Conference Registration Fee and Airfare – ISEM 2025

Dear Sir,

I am pleased to inform you that I have successfully presented my research poster at **the International Society for Ecological Modelling (ISEM) Global Conference 2025**, held at **The University of Tokyo, Kashiwa Campus, Japan** from 19th to 24th October 2025.

As per the prior approval granted for reimbursement upon successful completion of the event, I kindly request the release of the sanctioned amount towards the *Conference Registration Fee* and *Airfare*. The participation has provided valuable academic exposure and international visibility for our institution.

Please find enclosed the following documents for your reference and processing of reimbursement:

Sl.No	Description	Price in Rs
1	Conference Registration Fee (incl of Tax)	$ 312.40/- (27,400/-)
2	Airfare – Japan Airlines (incl of GST)	59,787 /-
	Total	87,187 /-

Sanctioned Amount
85,000/-

PAID & CANCELLED
Ch..... Dr..... RS.....

In Words: Eighty Five Thousand Rupees only.

I sincerely thank you for your continuous encouragement and support in promoting academic and research excellence at RV Institute of Management.

Regards

30/10

Dr. Vinay K S
Assistant Professor,
RV Institute of Management,
CA 17, 36th Cross Rd, 4th T Block East,
Jayanagar, Bengaluru, Karnataka 560041

190000549
150000767

A/c
Pl. process
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For presenting
Assessing Environmental Vulnerabilities in Kodagu: Geospatial Analysis of Landslides, River Encroachment, and Hydrogeological Risks in the Kodagu District of Karnataka

Kay Russell

Kay Russell

Conference Project Lead

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Type of the Paper (Research Article.)[LG1]

Assessing Environmental Vulnerabilities in Kodagu: Geospatial Analysis of Landslides, River Encroachment, and Hydrogeological Risks in the Kodagu District of Karnataka

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Abstract: Kodagu District in Karnataka's Western Ghats experiences recurring environmental hazards including landslides, floods, and river encroachment. This study integrates geospatial and statistical models to evaluate terrain stability and hydro-ecological risk. Multi-source data such as SRTM DEM, IMD rainfall (1985–2020), and lithological maps were analyzed. The Information Value (IV) and Logistic Regression (LR) methods were used to create a Landslide Susceptibility Index (LSI) with ROC/AUC validation. Results highlight that slope, lithology, and soil moisture are dominant contributors, while deforestation and unregulated tourism exacerbate hazards. The study emphasizes the importance of GIS-based risk zoning for proactive policy interventions and sustainable development of Kodagu's fragile ecosystem.

Keywords: Landslide Susceptibility; Geospatial Analysis; Logistic Regression; River Encroachment; Western Ghats; Environmental Modelling

1. Introduction

Kodagu District, situated in the southern part of Karnataka, India, forms a vital segment of the Western Ghats—an internationally recognized biodiversity hotspot. The district's mountainous terrain, coupled with high annual rainfall exceeding 4,000 mm in several areas, makes it both ecologically significant and environmentally fragile. Over the past decade, Kodagu has witnessed a disturbing escalation in natural hazards, notably landslides, flash floods, and riverbank erosion. These events have been attributed not only to natural geomorphological processes but also to increasing anthropogenic interventions such as deforestation, unregulated land conversion, and unplanned tourism-related infrastructure. The devastating landslides of 2018 and the subsequent floods of 2024 highlight the growing