

Volume 9, Issue 20 — e2025920 January — December — 2025

ISSN 2523-2428

# Journal Civil Engineering

**ECORFAN®**

## **ECORFAN-Peru**

### **Editor in Chief**

Jaliri-Castellon, María Carla Konradis. PhD

### **Executive Director**

Ramos-Escamilla, María. PhD

### **Editorial Director**

Peralta-Castro, Enrique. MsC

### **Web Designer**

Escamilla-Bouchan, Imelda. PhD

### **Web Designer**

Luna-Soto, Vladimir. PhD

### **Editorial Assistant**

Rosales-Borbor, Eleana. BsC

### **Philologist**

Ramos-Arancibia, Alejandra. BsC

**Journal Civil Engineering**, Volume 9, Issue 20: e2025920 January – December 2025, is a Continuous publication - Journal edited by ECORFAN-Peru. La Raza Av. 1047 No.-Santa Ana, Cusco Peru. Postcode: 11500. WEB: [www.ecorfan.org/republicofperu](http://www.ecorfan.org/republicofperu), [revista@ecorfan.org](mailto:revista@ecorfan.org). Editor in Chief: Jaliri-Castellon, María Carla Konradis. PhD. ISSN: 2523-2428. Responsible for the last update of this issue of the ECORFAN Informatics Unit. Escamilla-Bouchán Imelda, Luna-Soto, Vladimir, updated December 30, 2025.

The views expressed by the authors do not necessarily reflect the views of the publisher.

Reproduction of all or part of the contents and images of the publication without the permission of the National Institute for the Defence of Competition and Protection of Intellectual Property is strictly prohibited.