

- FEASIBILITY STUDY OF A METHOD FOR TUNING WAVE ENERGY CONVERTERS; SUSTAINABLE ENERGY TECHNOLOGIES AND ASSESSMENTS; 2024; <https://pdf.sciencedirectassets.com/282793/1-s2.0-S2213138824X0003X/1-s2.0-S2213138824000985/main.pdf?X-Amz-Security-Token=IQoJb3JpZ2luX2VjEjEYacXVzLWVhc3QtMSJHMEUCIAoKGDexIn5C%2B%2FLexXqLBSY>
- ECOSYSTEM SERVICES VALUATION IN THE ABRAS DE MANTEQUILLA WETLAND SYSTEM: A COMPREHENSIVE ANALYSIS; ECOLOGICAL INDICATORS; 2023; <https://www.sciencedirect.com/science/article/pii/S1470160X23015479>
- ECOSYSTEM SERVICES VALUATION IN THE ABRAS DE MANTEQUILLA WETLAND SYSTEM: A COMPREHENSIVE ANALYSIS; ECOLOGICAL INDICATOR; 2023;
- EARTH DAM DESIGN FOR DRINKING WATER MANAGEMENT AND FLOOD CONTROL: A CASE STUDY; WATER; 2022; <https://www.mdpi.com/2073-4441/14/13/2029>
- FLOOD MODELS: AN EXPLORATORY ANALYSIS AND RESEARCH TRENDS; WATER SWITZERLAND; 2022; <https://www.mdpi.com/2073-4441/14/16/2488>
- NUMERICAL FLOW CHARACTERIZATION AROUND A TYPE 209 SUBMARINE USING OPENFOAM†; FLUIDS; 2021; <https://www.mdpi.com/2311-5521/6/2/66>
- UNDERSTANDING CONSTRAINTS ON PRIVATE IRRIGATION ADOPTION DECISIONS UNDER UNCERTAINTY IN DATA CONSTRAINED SETTINGS: A NOVEL EMPIRICAL APPROACH TESTED ON ECUADORIAN COCOA CULTIVATIONS; AGRICULTURAL ECONOMICS; 2021; https://onlinelibrary.wiley.com/doi/full/10.1111/agec.12661?casa_token=rzCbRIAjlw4AAAAA%3Adz4sIxBasa5VnA88VwqNumlOnjA5pWzCauBXzaFLtQUqBtKQMwISIk98RMvIE6vujopv6WeRFNbDU9o
- UNDERSTANDING CONSTRAINTS ON PRIVATE IRRIGATION ADOPTION DECISIONS UNDER UNCERTAINTY IN DATA CONSTRAINED SETTINGS: A NOVEL EMPIRICAL APPROACH TESTED ON ECUADORIAN COCOA CULTIVATIONS; AGRICULTURAL ECONOMICS; 2021; <https://onlinelibrary.wiley.com/doi/abs/10.1111/agec.12661>
- ACCREDITATION PROCESS AS A WAY TO PROMOTE CONTINUOUS IMPROVEMENTS IN CIVIL ENGINEERING PROGRAMS AT PUBLIC INSTITUTIONS: ESPOL CASE-ECUADOR; ICERI2020 PROCEEDINGS; 2020; <https://library.iated.org/view/BAYONAMALO2020ACC>
- 1.BORBOR-CORDOVA, M.J.; GER, G.; VALDIVIEZO-AJILA, A.A.; ARIAS-HIDALGO, M.; MATAMOROS, D.; NOLIVOS, I.; MENOSCAL-ALDAS, G.; VALLE, F.; PEZZOLI, A.; CORNEJO-RODRIGUEZ, M.D.P. AN OPERATIONAL FRAMEWORK FOR URBAN VULNERABILITY TO FLOODS IN THE; SUSTAINABILITY; 2020; <https://www.mdpi.com/2071-1050/12/24/10292>

Membresía en sociedades científicas y profesionales

EUROPEAN GEOSCIENCES UNION (EGU)
 INTERNATIONAL ASSOCIATION OF HYDROLOGICAL SCIENCES (IAHS)
 AMERICAN GEOPHYSICAL UNION (AGU)

Premios y honores

- MEJOR PROFESOR AREA DE GESTIÓN 2016-2017, 27/10/2017
- DISTINCIÓN DOCENTE DE ESPOL-FICT 2015, 29/10/2015
- CUM LAUDE (MSC THESIS), 18/04/2008

Cursos en el año académico actual

- HIDRÁULICA, número de paralelos: 4

Otras responsabilidades en el año académico actual

CONSEJERIA ACADÉMICA (10 ESTUDIANTES O FRACCIÓN POR HORA); COORDINADOR DE MATERIA DE UNIDAD ACADÉMICA; TUTORÍA DE PRÁCTICAS DE SERVICIO COMUNITARIO (MIN 4H- MAX 10H); TUTORÍA ACADÉMICA DE PROYECTO INTEGRADOR (2H POR PROYECTO); INVESTIGADOR (20 HORAS)

Desarrollo profesional

- CIENCIA DE DATOS E INTELIGENCIA ARTIFICIAL PARA LA TRANSFORMACIÓN DIGITAL, 06/04/2024 - 14/04/2024, 32 HR., ESPOL-FIEC
- PLAN ESTRATÉGICO PROSPECTIVO DE ESPOL 2023-2027, 04/08/2023 - 22/11/2023, 56 HR., ESPOL
- Regla Técnica Nacional para la Organización y Mantenimiento de Archivos Públicos, 15/07/2023 - 30/07/2023, 40 HR., Presidencia de la República del Ecuador
- Data Science Foundations: Data Mining in Python, 23/03/2022 - 23/03/2022, 3 HR., LinkedIn
- Analíticas en Aula Virtual, 06/08/2021 - 06/08/2021, 2 HR., CISE ESPOL