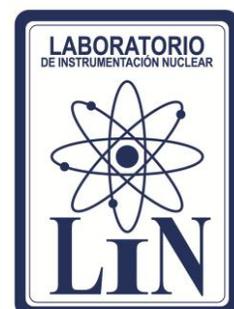




## Publicaciones

Listado de publicaciones del Laboratorio de Instrumentación Nuclear (LIN) del Centro de Investigaciones Hidráulicas e Hidrotécnicas (CIHH-UTP).

- 1 Esquivel-López, A.; Fernández, B.; Pérez, O.; Castillo, F.; Tejedor-Flores, N.; Cubilla-Montilla, M. Forecasting <sup>7</sup>Be Concentrations Using Time Series Analysis: A Case Study of Panama City. *Atmosphere* 2025, 16, 1104. <https://doi.org/10.3390/atmos16091104>
- 2 Fernández, B., Juri Ayub, J., Valladares, D., Pérez, O., Tejedor-Flores, N., & Esquivel-López, A. (2025). <sup>7</sup>Be atmospheric concentration in Panama City: influence of climatic conditions and atmospheric recovery process. *Isotopes in Environmental and Health Studies*, 61(4), 351–370. <https://doi.org/10.1080/10256016.2025.2492862>
- 3 Esquivel-López et al., "Assessment of natural radiation in a former uranium mine: A technical capacity building development," 2024 9th International Engineering, Sciences and Technology Conference (IESTEC), Panama City, Panama, 2024, pp. 1-7, <https://doi.org/10.1109/IESTEC62784.2024.10820241>
- 4 J. Bryan, K. Espino, I. Flores, N. Tejedor-Flores and A. Esquivel-López, "Water quality analysis through the comparison of physicochemical parameters and the use of macroinvertebrates in the microbasin of La Zanguenga creek," 2024 9th International Engineering, Sciences and Technology Conference (IESTEC), Panama City, Panama, 2024, pp. 21-26, <https://doi.org/10.1109/IESTEC62784.2024.10820249>





- 5 Bryan, J., Esquivel-López, A., & Espino, K.(2024). Evaluación Físicoquímica Y De Macrofauna De Las Aguas Superficiales De La Microcuenca La Zanguenga. In: Proc 2024 XXXI Congreso Latinoamericano de Hidráulica, Medellín, Colombia. pp 2246-2251 <https://www.iahr.org/library/regional?pid=549>
- 6 Gómez, S., Esquivel-López, A., & Arcia, M.(2024). Variación Temporal y Espacial Del Caudal Sólido Y Calidad Del Agua De La Microcuenca La Zanguenga. In: Proc 2024 XXXI Congreso Latinoamericano de Hidráulica, Medellín, Colombia. pp 495-502 <https://www.iahr.org/library/regional?pid=549>
- 7 Rodríguez, I., Esquivel, A., Juri Ayub, J., Valladares, D., & Flores, I.(2023). Uso de  $^{137}\text{Cs}$  para establecer la tasa de erosión dentro de la microcuenca la Zanguenga. In: Proc 2023 XIX Congreso Nacional de Ciencia y Tecnología APANAC, Panama City, Panama, 2023, <https://doi.org/10.33412/apanac.2023.3916>
- 8 Gómez, S., Esquivel, A., Arcia, M., Espino, K., & Flores, I.(2023). Comportamiento anual de la calidad del agua y caudal sólido de la microcuenca La Zanguenga. In Proc 2023 XIX Congreso Nacional de Ciencia y Tecnología APANAC, Panama City, Panama, 2023, <https://doi.org/10.33412/apanac.2023.3915>
- 9 Esquivel, A.D., Moreira, R.M., Monteiro, R.P.G., et al. (2021). Quantification of soil erosion using  $^7\text{Be}$  in a steep watershed used for natural grazing in Brazil Isotopes in Environmental and Health Studies, 57(3), 316–331. <https://doi.org/10.1080/10256016.2021.1918687>





- 10 Esquivel, A., Kodama, Y., Villarreal, J., Juri Ayub, J., González, G., & Tejedor-Flores, N.(2021). Técnicas nucleares y su versatilidad para la utilización y estudio de diversos procesos. In Proc 2021 XVIII Congreso Nacional de Ciencia y Tecnología APANAC, Panama City, Panama, 2021, <https://doi.org/10.33412/apanac.2021.3080>
- 11 de Rosas, J.P., Esquivel, A.D., Martinez Heimann, D. et al. Using beryllium-7 to evaluate soil erosion processes in agricultural lands in semiarid regions of Central Argentina. *Environ Earth Sci* 77, 587 (2018). <https://doi.org/10.1007/s12665-018-7767-x>
- 12 Esquivel, A., Moreira, R.M., Monteiro, R.P.G., et al. Wet deposition and soil content of beryllium-7 in a micro-watershed of Minas Gerais (Brazil). *J Environ Radioact.* 2017;169/170:56–63. <https://doi.org/10.1016/j.jenvrad.2016.12.014>
- 13 Esquivel, A.D., Kastner, G.F., Amaral, A.M., Monteiro, R.P.G., Moreira, R.M., & Associacao Brasileira de Energia Nuclear (ABEN), Rio de Janeiro, RJ (Brazil). (2015). Determination of  $^7\text{Be}$  in soil sample by gamma spectrometry for erosion researchs. international nuclear atlantic conference. Brazilian nuclear program. State policy for a sustainable world; 12. ENAN: meeting on nuclear applications (INAC 2015), Sao Paulo, SP (Brazil). <https://inis.iaea.org/records/qc1nm-6jg54>
- 14 Esquivel, A.D., Moreira, R.M., & Associacao Brasileira de Energia Nuclear (ABEN), Rio de Janeiro, RJ (Brazil). (2015). Variation of monthly inventories of  $^7\text{Be}$  fallout in the soils of the sub-basins 3 and 4 in Mato Frio river, a tributary of Serra Azul river. international nuclear atlantic conference. Brazilian nuclear program. State policy for a sustainable world; 12. ENAN: meeting on nuclear applications (INAC 2015), Sao Paulo, SP (Brazil). <https://inis.iaea.org/records/qqjs5-mb323>

