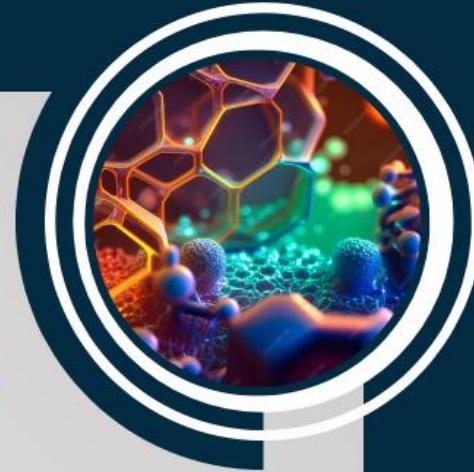




VI INTERNATIONAL WORKSHOP OF THE GRADUATE PROGRAM ON PHYSICS ENGINEERING



CERTIFICATE

Hereby we certify that the work **Antibacterial screening of alginate-cerium-montmorillonite films.**, submitted by **Lucas Bandeira, Juliane P. de L. Pereira, Luan Neves, Débora A. Sales, Ramón R. Peña-Garcia, Pollyana Trigueiro** was presented as a Poster Communication by **Lucas Bandeira Silva** at the VI International Workshop of the Graduate Program on Physics Engineering at UFRPE, hosted in-person, from November 12th to 13th, 2025.

Cabo de Santo Agostinho – PE, 18th of November 2025.



RAFAEL ALVES DE OLIVEIRA
CONFERENCE CHAIR

