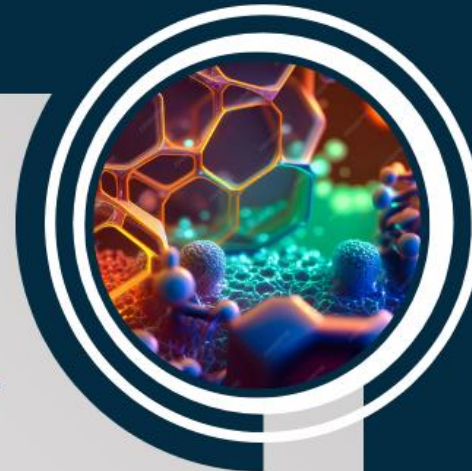




VI INTERNATIONAL WORKSHOP OF  
THE GRADUATE PROGRAM ON  
PHYSICS ENGINEERING



## CERTIFICATE

Hereby we certify that the work **Sonication-assisted synthesis and photocatalytic application of  $\text{Zn}_{1-x-y}\text{Gd}_x\text{Cu}_y\text{O}$**  in the efficient degradation of furosemide, submitted by **Ricardo Barbosa de Lucena Júnior, Alexsandro dos Santos Lins, Willams Apolo Santos Albuquerque, Luan Vinícius Neves de Souza, Aimée Giovanna Jerônimo de Brito, Ramon Raudel Peña Garcia.** was presented as a Poster Communication by **Ricardo Barbosa de Lucena Júnior** 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, 18<sup>th</sup> of November 2025.



  
RAFAEL ALVES DE OLIVEIRA  
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