



# PUBLICATION CERTIFICATE

Seven Publicações Ltda, declares that the article **IoT & long-range radio (LoRa) based air quality sensing through hyper-automation to manage critical temperature-reducing blood and plasma product wastages**, by authorship Mrinmoy Roy and Siva Sai Thadakaluru, was PUBLISHED in the form of an individual chapter of a e-book entitled “**Uniting Knowledge Integrated Scientific Research for Global Development**”, under the registration number ISBN: 978-65-84976-52-8.

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Finally, I sign this declaration.



São José dos Pinhais, Brazil, December 11, 2023.

  
**Nathan Albano Valente**  
Editor de redação