



PUBLICATION CERTIFICATE

Seven Publicações Ltda, declares that the article **Nitrosative stress contributes to apoptosis in the livers of senescent female rats treated with high fructose**, by authorship Beatriz Zocoler de Almeida, Deborah Chianelli Costalonga Seraphim, Giovana Rita Punaro, Adelson Marçal Rodrigues, Deyse Yorgos de Lima, Marcos Antonio do Nascimento and Elisa Mieko Suemitsu Higa, 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, November 20, 2023.



Nathan Albano Valente
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Editor de redação

A handwritten signature in blue ink over a horizontal line, followed by the name "Nathan Albano Valente" and the title "Editor de redação" underneath.