

Supplementary Materials

Evaluation of the Photocatalytic Activity of Distinctive-Shaped ZnO Nanocrystals Synthesized Using Latex of Different Plants Native to the Amazon Rainforest

Robert S. Matos ^{1,2}, **John M. Attah-Baah** ³, **Michael D. S. Monteiro** ³, **Benilde F. O. Costa** ⁴, **Marcelo A. Mâcedo** ³, **Simone P. A. Da Paz** ⁵, **Rômulo S. Angélica** ⁵, **Tiago M. de Souza** ⁶, **Ştefan Tălu** ^{7,*}, **Rosane M. P. B. Oliveira** ¹ and **Nilson S. Ferreira** ^{3,*}

¹ Postgraduate Program in Materials Science and Engineering (P²CEM), Federal University of Sergipe, São Cristovão 49100-000, SE, Brazil

² Amazonian Materials Group, Federal University of Amapá (UNIFAP), Macapá 68911-477, AP, Brazil

³ Laboratory of Corrosion and Nanotechnology (LCNT), Federal University of Sergipe, São Cristovão 49100-000, SE, Brazil

⁴ CFisUC, Department of Physics, University of Coimbra, P-3004-516 Coimbra, Portugal

⁵ Institute of Geosciences, Federal University of Pará, Belém 66075-110, PA, Brazil

⁶ Núcleo de Engenharia de Materiais Sustentáveis (NEMaS), Universidade do Estado do Amapá, Macapá 68900-070, AP, Brazil

⁷ The Directorate of Research, Development and Innovation Management (DMCDI), Technical University of Cluj-Napoca, 15 Constantin Daicoviciu St., 400020 Cluj-Napoca, Romania

* Correspondence: stefan_ta@yahoo.com (Ş.T.); nilson@academico.ufs.br (N.S.F.)

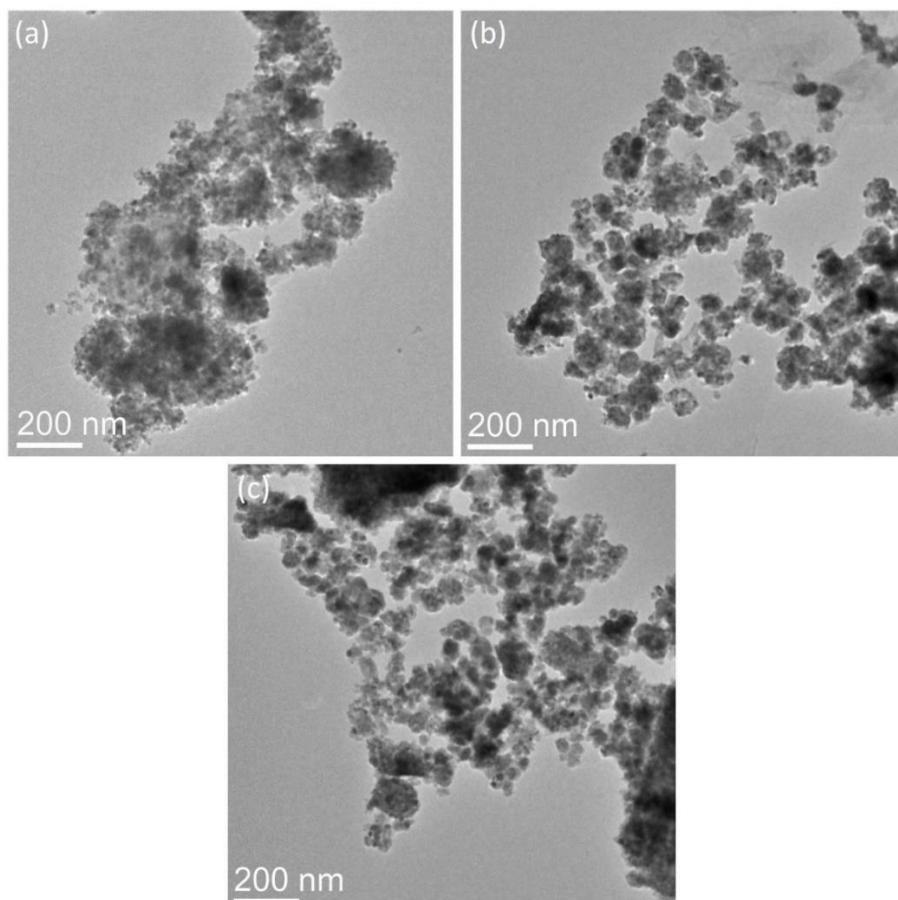


Figure S1. TEM images of (a) pitanga-like, (b) teetotum-like, and (c) cambuci-like ZnO nanoparticles.

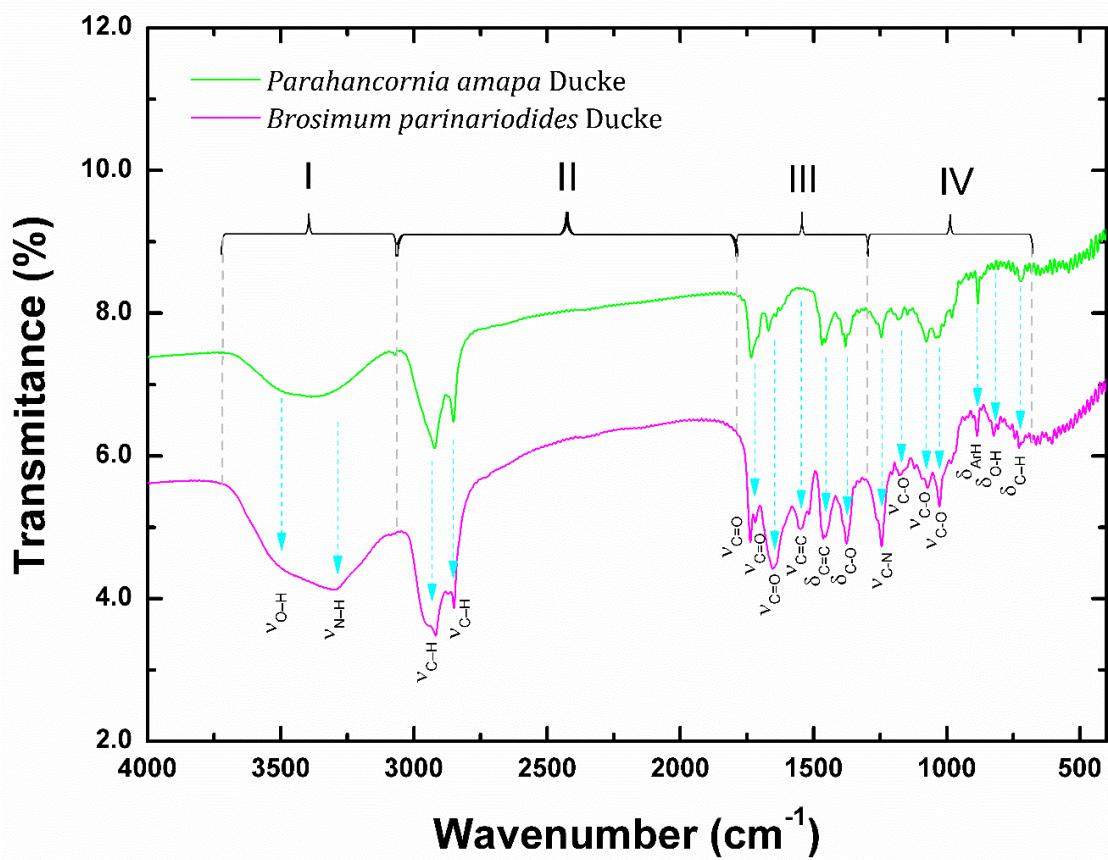


Figure S2. FTIR Spectra of freeze dried Bitter-Amapá (*Parahancornia amapa* Ducke) and Sweet-Amapá (*Brosimum parinarioides* Ducke) Amazon rainforest latex.