

International Conference on

# Sustainable Bioplastics

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Elaine Florinda<sup>1</sup>, Amanda Dambros<sup>1</sup>, Eliana Janet Sanginez-Argandoña<sup>1</sup>, Farayde Matta Fakhouri<sup>1,2</sup>

**E**dbé biodegradable has been raised from 10% to 20% in cassava  
starch-based bioplastics. The effect of the starch content on the  
mechanical properties of the bioplastics was studied. The results  
showed that the tensile strength and elongation at break of the  
bioplastics increased with the starch content. The glass transition  
temperature (T<sub>g</sub>) of the bioplastics was also studied. The results  
showed that the T<sub>g</sub> of the bioplastics decreased with the starch  
content. The results also showed that the bioplastics with higher  
starch content had higher tensile strength and elongation at break  
and lower T<sub>g</sub>. The results also showed that the bioplastics with  
higher starch content had higher tensile strength and elongation at  
break and lower T<sub>g</sub>. The results also showed that the bioplastics  
with higher starch content had higher tensile strength and elongation  
at break and lower T<sub>g</sub>.

## Biography

Farayde M. Fakhouri graduated in Food Engineering from the Universidade Estadual Paulista (UNESP), Master in Food and Nutrition, PhD in Food Technology from the University of Campinas (Unicamp) and Post Doctorate from the State University of Londrina (UEL ) in the area of new materials for packaging, with improvement in reactive extrusion in Univesité of Mons (UMONS) and currently performs post doctorate at the Polytechnic University of Catalonia (UPC) in the School of Materials Science and Engineering. She has published about 20 papers in reputed journals and has Been serving the editorial board member of an reputed.

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