



# 1<sup>ST</sup> International Workshop

## WASTE 2 ENERGY



Integration of supercritical technologies and anaerobic digestion through an automated system for production of biofuel precursors

**February 18<sup>th</sup>, 2020 | Campinas, Brazil**

 University of Campinas | School of Food Engineering | Room 1 and 2 of Extension

 Event limited to 50 people | Free event | Subscription must be made by the e-mail [eventfea@unicamp.br](mailto:eventfea@unicamp.br) with the subject "WASTE 2 ENERGY" until February 17<sup>th</sup>

### Schedule

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|  <b>8:30 am</b> – Coffee break and Welcome  |  <b>13:30 pm</b> – Coffee break and Welcome  |
|  <b>9:00 am</b> – <b>Tânia Forster Carneiro (Unicamp)</b><br> "Integration of supercritical technologies and anaerobic digestion"  |  <b>14:00 pm</b> – <b>Donna Murillo (WPI) &amp; Henrique Ziero (Unicamp)</b><br> "Valorization of poultry feather via subcritical water hydrolysis to obtain high value amino acids"              |
|  <b>9:20 am</b> – <b>Daniel Lachos Perez (Unicamp)</b><br> "Lipophilic molecules, chemical substrates and biogas production from sugarcane residues by green technologies in a biorefinery concept" |  <b>14:20 pm</b> – <b>Mackenzie Karnilaw (WPI)</b><br> "Furan extraction using biochar for second generation ethanol"   |
|  <b>9:40 am</b> – <b>Jordan Myers (WPI) &amp; Larissa Ampese (Unicamp)</b><br> "Obtaining Biogas from Macauba Residues of Biodiesel Production"  |  <b>14:40 pm</b> – Coffee break  |
|  <b>10:00 am</b> – Coffee break   |  <b>15:00 pm</b> – <b>Miriam Tena Villares (UCA)</b><br> "Biogas production from sludge of Wastewater Plant and wine vinasse"   |
|  <b>10:20 am</b> – <b>Francisco W. Maciel (Unicamp)</b><br> "Introduction to the bibliometric analysis"  |  <b>15:20 pm</b> – <b>Luz Selene Buller (Unicamp) &amp; Maria Luiza M. B. Gonçalves (Unicamp)</b><br> "Food Waste Recovery: Environmental assessment tools and strategies to a green economy" |
|  <b>10:40 am</b> – <b>Katherine V. Gomes (WPI)</b><br> "Anaerobic digestion of barley bagasse by sequential batch and continuous reactors"   |  <b>15:40 pm</b> – <b>Samuel Ferreira (Unicamp)</b><br> "Life cycle inventory and alternative scenario for açai residues energy recovery"   |
|  <b>11:00 am</b> – <b>Maria Paula J. Castro (Unicamp)</b><br> "Production of biogas from orange juice agroindustrial waste"  |  <b>16:00 pm</b> – Discussion and closure session  |
|  <b>11:30 am</b> – Lunch  |   |

### Support and Organization

**Organization team:** Tânia Forster Carneiro, Luz Selene Buller, Mauro Berni, and William G. Sganzerla

