



Dr. Siddhant Purkayastha, Vice President, Head of Global Scientific & Regulatory Affairs at PureCircle/Ingredion Inc., USA, will join the 10th World Convention on Stevia 2022. Dr. Purkayastha will present his recent studies on "**Metabolism and Effect of Steviol Glycosides and Steviol on Human Gut Microbiome**".

During the session, Dr. Purkayastha will present his recent studies. As a summary, steviol glycosides from Stevia plant produced by different technologies (Extraction, Bioconversion, Glucosylation) were studied for 72 hours of incubation in fecal homogenates from adults and children to establish the metabolic fate of steviol glycosides and their effect on gut microbiome. Steviol glycosides were rapidly deglycosylated by colonic bacterial enzymes over a 12-hour period to steviol, a common aglycone metabolite in adult male, adult female and children 2 to 3 years of age in a comparable manner. In addition, steviol glycosides and steviol generated during incubation had very little apparent effects on bacterial abundance of the human gut microbiome in healthy adults and in young children.

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