



**Resource Recovery from Faecal Sludge of Aditya Educational Institutions,
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ABSTRACT

Ingestion of food by living beings brings out vital to life. Excretion of both digested and undigested (faecal) matter is inevitable for all organisms to maintain healthiness on this planet earth. Danier Kimuli et al., (2016) revealed that the faecal sludge contain nutrients in the form of nitrates, total nitrogen, phosphates and potassium and also lipid content. The resource i.e., biodiesel and or biogas, protein content can be recovered from this faecal sludge and the spent-out substance can be used as a soil amendment to enrich the soil (humus). The main objective of the proposed research work is to recover these precious materials by using the suitable technology. In this direction an attempt has been made to collect the data to know the total faecal sludge quantity, type and content of our institution and also carried out the physico-chemical and microbiological characterization to set for the resource recovery to meet the UN's sustainable developmental goals and also to become self sufficiency in renewable energy front. The details will be discussed in this presentation.

Keywords: Food, Excretion, Faecal sludge, Resource recovery, Protein, Biodiesel/Gas, Humus

Biography:

Dr.Suryanarayana has completed his PhD at the age of 27 years from Awadesh Pratap Singh University, India and has 23Yrs of postdoctoral teaching and research experience. He is the Professor and Principal Investigator at Aditya Engineering College (Autonomous), Jawaharlal Nehru Technological University, India. He has published more than 72 papers in reputed journals and has been Member of various reputed Scientific Societies. He is the Campus Ambassador and City Coordinator for IARC, Centre for United Nations and got the Best College in India Award. Ministry of Science & Technology, Department of Science & Technology, Government of India awarded him a research project on bibliometric mapping

of solid waste management in India as Principal Investigator. He is the Organizing Committee Member, Key Note Speaker and Chair Person for 23rd Eurobiotechnology Congress, Zurich, Switzerland, 21 & 22 October, 2019.

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