

Assessment of wastewater treatment plants/SDGs education through active learning

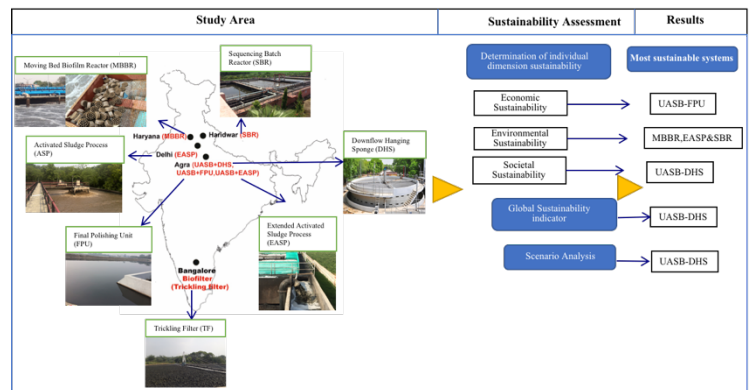


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Keywords	Sustainability, Sewage treatment, Pathogens, Sustainable Development Goals (SDGs), Facilitation		
Technical Support Skills	<ul style="list-style-type: none"> • Analysis of wastewater quality and microbes • Assessment of wastewater treatment plants • Group work facilitation skills 		

Research Contents Assessment of wastewater treatment plants/ SDGs education through active learning

Research Theme - 1 : Investigation of Wastewater Treatment plants feasible for developing countries

There are many wastewater treatment plants existing around the world. Since two decades, our research team have been working continuously for the improvement of Downflow Hanging Sponge (DHS) system. For this study, UASB-DHS is proposed as a suitable wastewater treatment alternative for developing countries. Moreover, sustainability of UASB-DHS was assessed and compared with other treatment technologies to validate its establishment for the developing countries.



Research Theme - 2 :Development of educational materials for teaching SDGs for Engineering students

This study focuses on the development of generic and employability skills for producing innovative human resources. We facilitate students through active learning, group or team based learning which prepares the students to practice their course concepts to solve problems they are likely to face in the future. This student-centered pedagogy is useful to all engineering students being highly related with their transition to university or for job hunting in diverse environment. Various approaches of teachings and assessments are also being undertaken and tested. This study is also an attempt to familiarize engineering students with the SDGs and engage them with sustainability related issues for peaceful and happy future.



Available Facilities and Equipment

SDGs learning fun books and games	
English conversation	