UNIVERSITÉ LAVAL

INSTITUT DE BIOLOGIE INTÉGRATIVE ET DES SYSTÈMES IBIS

CONFÉRENCE

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Sustainable Utilization of Agricultural Waste

LE VENDREDI 19 JUILLET 2019 À 12 H 30

Pavillon Charles-Eugène-Marchand, salle Hydro-Québec (1210)

Talk will be delivered on the projects being conducted in Waste Management laboratory of School of Bioengineering and Biosciences, Lovely Professional University, Phagwara, Punjab, in the area of sustainable utilization of agricultural waste for various applications.

Biochar derived from agri-waste has been gaining popularity to treat wastewaters and valorize the treated water for irrigation. Though, significant studies on biochar have been conducted by various research groups, yet the most of studies are confined to laboratories only.

The talk will focus on 'Biochar Technology' which is currently being tested onsite as a pilot, on two wastewater drains namely Phagwara sludge drain and Buddha Nalla drain, passing through Lovely Professional University, Phagwara and Ludhiana, Punjab, respectively. This case study has been aimed to optimize the process parameters to further translate this technology on other wastewater drains in the region. The saturated biochar with organic and inorganic contaminants is being utilized in making pervious Bio-concrete.

Agricultural crop residues are also being exploited in our lab for various other applications such as, saccharification of lingo-cellulosic waste for bio-ethanol production, mushroom production (Pleurotus oyster), levan (biopolymer) production, bioplastic from wheat shaft, and bio-concrete for floating gardens.

Lunch et breuvages seront offerts.

SVP confirmer votre présence sur : Confirmation de présence

Hôte : Damase P. Khasa

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