Night soil a potent plant growth enhancer

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Black soot is the other name for Night soil. Night soil is the euphemism of composted feces. Night soil is generally collected by sanitation department by tankers and disposed at the outskirts of the towns or cities. The composted humanure is a very rich source of micro and macro nutrients which are very useful for plants. The idea behind the work is to utilize this black soot as a biofertilizer for enhancing the growth of plants. It is a process of bioremediation where the compost is produced in situ. The compost is generally disposed but if this compost is air dried and added by some microbial mixtures it is an excellent biofertilizer. Current work majorly concentrates on microbial mixtures which are to be added to the black soot to use it for potted plants, Gardens, Bonsai & fields. The collected black soot alone is tested for NPK values and carbon content. To the surprise it is found to be very high than normal values making it suitable for using it as a potential organic fertilizer. Pure cultures of Nostoc, Azolla, Anabena, Trichoderma, VAM, PSB etc are maintained and are added to the black soot in different proportions to check for the better combination and good results. To the surprise the process opened new avenues for research in formulating an excellent biofertilizer suitable for all varieties of plants, enhancing their growth, fruiting, yield & resistance.

Biography
Surya Anjani Kumar is currently pursuing Post doctorate at JNTU Hyderabad working on “Effect of Fresh Water Crab Shell Fog on Cucurbitaceae” and identifying biological growth promoters. His work is mainly concentrated on applying fog at field level, observing phenotypic changes & identifying the novel volatile compound which is responsible for the effect specifically on Cucurbitaceae.

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