



**Dr. Smita Raghuvanshi**

**Associate Professor**

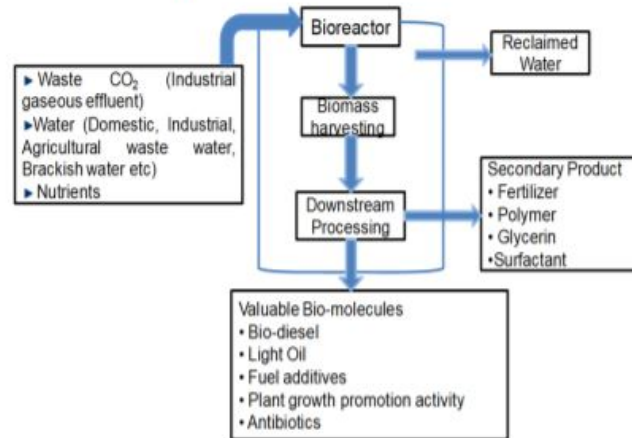
**PhD: BITS Pilani, Pilani Campus**

**Research area:**

Biomitigation of CO<sub>2</sub> and other flue gases, Process development for value added products, Life cycle assessment of processes.

**Research Details:**

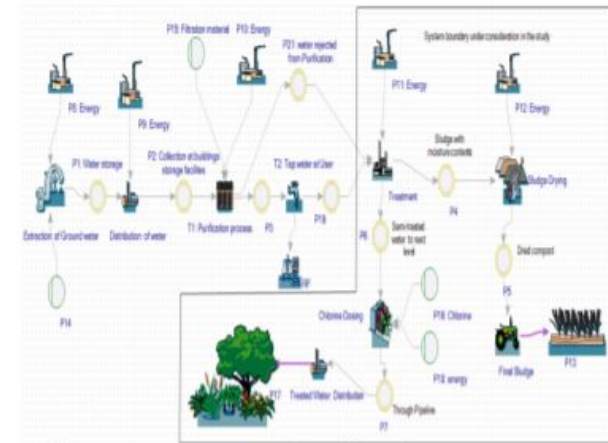
**Process Development for Bio mitigation of CO<sub>2</sub> and flue gases utilizing chemolithotrophs**



**Life Cycle Assessment of Various Processes**

Research at this end; is all about Biochemical, Env Engg & life cycle assessment of processes:

- ◆ Obtained results for process development for CO<sub>2</sub> bio mitigation utilizing chemolithotrophs.
- ◆ Working towards integration of process in bioreactor for bio based approach for removal of flue gases utilizing waste water & other nutrient sources.
- ◆ Continuously working towards carrying out life cycle assessment studies utilizing Umberto-Nxt software for chosen studies .



**Waste water treatment plant life cycle assessment: treatment process to reuse of water**

