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(57) Abstract :

The present disclosure discloses a method 100 for adsorption of gases emitted from a fume hood 200. The method 100 can include harvesting of one or more plants in a container 300, and the plants are Synogonium plants. The fume hood 200 emit gases while operation, and the gases emitted from fume hood 200 are passed into the container 300 using conduits 206. The plants harvested in the container 204 adsorb the received one more gases by leaves and roots, firstly the roots are used for adsorption then some parts move to leaves where the remaining gases degrade. Sometimes roots are degrading and accumulating at those places depending on different mechanism. Toxicity get reduced, thus minimizing the pollution by controlling the hazardous gases emitted by the fume hood 200.

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