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Designing an Environmental Protection Filter (EPF) to Mitigate the Influence of the Depletion of Stratospheric Ozone Arising from Industrial Processes

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This research project aimed to prevent O-Zone Layer through at low cost, most efficient and easy to assemble Environmental pollution Filter. Environmental pollution is the biggest menace to the human race on this planet today. It means adding impurity to environment. The environment consists of earth, water, air, plants and animals. If we pollute them, then the existence of man and nature will be hampered. One of the biggest sources of this Pollution is generation of CFCs in Industries which spread out in the form of gasses in the environment.

Pure air is always needed for inhaling. If we take pure air, our health improves. On the other hand impure air causes diseases and impairs our health and causes our death. Smoke pollutes the air. It is the root of air pollution. The smoke which is discharged from industries, automobiles and kitchens is the mixture of carbon monoxide, carbon dioxide, methane etc.

That's why I have decided to work on a Filter which absorb and control the main cause CFCs and other causing substances which are damaging and harmful for O-Zone and also before it mix up in air and Polluted air it control at its source of generation.

My New filter is based on cooling process and attached with the top of Chimneys of the Industries. Before the polluted gasses enter in the atmosphere my filter cool it at low temperature provided by system attached or heat pump. As the temperature becomes down gasses liquefy and store in the chamber name is collecting chamber. To Utilize the newly introduced material NOTT-202a consists of a tetra-carboxyl ate legends a honeycomb like structure made of a series of molecules or ions bound to a central metal atom and filled with indium metal centers, which gas capability of absorption of CO_2 and all other piousness gasses and carbon capture technique.

The efficiency of filter may be defined as follows: $E = \left(\dfrac{\text{absorption power of smoke}}{\text{total power of smoke}} \times 100 \right)$ %.

Biography

Sohail Ibrahim (sohaili@nsric.ca) is the Vice Principal in K9-12 at K12 School Unit, NIST. Presently, Sohail is faculty member of Institute of space science and technology department, University of Karachi and teaching up to Graduate. He has vast 30 years of instructing physics /Administrative experience up to graduate understudies. He has in excess of 100 authentications of accomplishments and support in exercises likes research courses, workshops, distribution of magazines, coordinated Science Exhibitions, Indoor and outside games and so forth other than academics. He has a lot of intrigued by research projects particularly in physical science in this way; directed and coach of many research ventures of students who partook in science displays at district level,