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## *A New source of Petroleum, Diesel and Kerosene*

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### **Abstract**

**P**etrole, diesel and kerosene are important hydrocarbons which are widely used in different form in our life. The manufacture of hydrocarbons, such as petroleum, form paraffin is familiar commercial process. However, this process is very costly, involves elaborate method and is time consumable. Consequently, this process does not seem to be economically viable. Considering this, we have designed a process of manufacture of petroleum using waste material which we use in our daily life, like polythene, which itself is non-biodegradable and is threat to our environment.

### **Method**

The petrol was synthesized by waste polythene using a simple procedure. The 2.5 Kg of waste polythene was taken in an iron container. The container was joined to a condenser and to which a receiver (glass bottle) was fixed. A mixture of CuO (10gm) and Fe<sub>2</sub>O<sub>3</sub>(10gm) powder was added to the container. This mixture was heated at high temperature (289 C). The resultant vapors were condensed and the liquid was collected in receiver at different temperatures. Petroleum was collected as first fraction at lower's temperature and then with increasing temperature diesel was distilled

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and at highest temperature kerosene was collected. The remaining white soli left in container was paraffin. The different fractions obtained were comparing with the commercial samples of petrol, diesel and kerosene. The process has its commercial and synthetic utility due to its cost-effectiveness and can be explored as one of the methods to clean our environment from non-biodegradable material.