

# Alternative fuels for automobiles

[Science](#), [Physics](#)



Topic: Alternative Fuels for Automobiles Introduction The current age we live in is run by the use of fossil fuel and as everybody knows the fuel source is getting depleted at a high level, which is raising high concern to the human population all over the world. We have been utilizing petrol and diesel over a span of century and now the time has come that we switch on to another alternative fuels in an effort to save the living standard of the people of the 21st century. According to (Wald)“ One of the nation’s biggest energy problems is that nearly all of its ground transportation fuel is derived from oil”. So in order to continue with our sophisticated class of living and protect nature, the scientist and experts throughout the world insist on the usage of alternative fuels like hydrogen fuel, corn oil and electricity. When we look at the usage of fossil fuel, we can see that there is enormous carbon emission which pollute the earth’s atmosphere and defect the ozone layer of the planet. So the use of hydrogen fuel, corn oil and electricity will lead to green revolution and abundant production of fuel in the world market. Hydrogen fuel is an energy carrier and not an energy source. It is believed to be highly efficient when used in motor vehicles and as fuel cells . On the other hand, corn oil is a produced from corn plants and can be easily obtained through farming. Moreover, the electricity also takes the place of alternative fuel as it can be used to charge the batteries of electric cars. Alternative fuels The reason for the world to look upon alternative fuels like hydrogen, corn oil and electricity is to maintain the living standard of human beings and to protect the planet from deterioration. Here corn oil is a pure and clean alternative fuel which is bio -renewable in nature. The corn oil can be highly potential in transportation world as it can be used as an alternative for diesel. The eco -

friendly factor of corn oil is the main reason why it is chosen by experts as an alternative fuel. As per (Saddleback 6)“ Corn oil is non toxic, which means it does not harm people or make them sick. It is bio-degradable, or can be broken down by the nature and reused”. In the same manner hydrogen is also a significantly potential alternative fuel available in the world. The scientific experts prefer hydrogen as an alternative fuel because it is abundant in nature and has the quality of zero emission. In his book (Hordeski 1) writes that “ A shift to zero- carbon emission solar hydrogen systems could fundamentally resolve these energy supply and environmental problems”. The best part of using hydrogen fuel is that it can be comfortably made from water and microorganisms or with the help of any source of electricity. In the same way, electricity is also an extremely promising alternative fuel which can bring revolution in the transportation and mechanical field. Electricity has the potentiality to bring forth remarkable change in automobile field and industrial sector. Conclusion In general, the alternative fuel concept got enormous attention due to its feature of abundance and bio- degradable nature. Basically, the fact is that man has been using crude oil since a century and it has resulted to an unfathomable pollution and disaster to the environment of planet. Generally speaking, it is the carbon emission from crude oil which has led to defect in the ozone layer. This has directly resulted in warming up of the earth which is a warning to the extinction of eco –system of the planet including human beings. Henceforth, this phenomenon of global warming has seriously intimidated the scientific world to switch on to alternative fuels. In his book (Houhgton 9) mentions that “ Human activities of all kinds, whether in

industry, transport sector or at home are resulting in emission of increased quantity of gases, in particular the gas carbon - di oxide in to atmosphere". It is also obvious that the world is getting overpopulated and the need for fossil fuel is considerably increasing. So collectively, overpopulation, depletion of fossil fuel and the environmental polluting nature of fossil fuel has motivated the human to switch in to alternative fuels. " A world data shows USA which has only 5. 5 % of world's population consumes 35 % of the global energy consumption while Asia and Africa? Latin America has 70% of world population, consumes 17. 5 % of the global energy consumption". So when one compare alternative fuels like hydrogen , corn oil and electricity , the hydrogen can be considered as the most abundant and potential alternative fuel resource. Secondly, corn oil due to its natural state is an extremely promising fuel along with electricity. References Hordeski, Michael F. Hydrogen & Fuel Cells: Advances in Transportation and Power. Georgia: Fairmont Press Inc., 2009. 1. Print. Houghton, John. Global Warming: The Complete Briefing. 3rdrd ed. Cambridge: Cambridge University Press, 2004. 9. Print Saddleback, . Alternative Fuels. California: Saddle back educational Publication, 2010. 6. Print. Wald, Mathew L. " A Glimpse of the Alternative Fuel Future." green. blogs. nytimes. The new York Times, 1 Aug. 2012. Web. 25 Oct. 2012. . Srivastava, Anshu. " Alternative Fuel for Transportation." INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCES 1. 2 (2010). Print