Green Vehicles as Innovations Towards Sustainable Transport

Bhumika Sharma  
Himachal Pradesh University, Shimla, India
Mohammed Muqtadir  
Mechanical Man Engineering Services Pvt. Ltd, Pasonda, India  
Email: s24bhumika@gmail.com

Abstract: A large part of human movement, commerce, and various activities depend on means of transportation. The unmindful use of non-renewable resources is a concern. Thus, it is the perfect time to switch over to the green automobiles gradually. Alternative fuels can power these vehicles. The advanced vehicle technologies include hybrid electric vehicles, plug-in hybrid electric vehicles, battery electric vehicles, compressed-air vehicles, hydrogen and fuel-cell vehicles. There are also neat ethanol vehicles, flexible-fuel vehicles, natural gas vehicles, clean diesel vehicles, and some sources also include vehicles using blends of biodiesel and ethanol fuel or gasohol. The use of eco-friendly fuels in the vehicles would help to reduce carbon footprint. Simultaneously, innovations are taking place worldwide to make use of various types of wood, such as bamboo instead of metal for the manufacture of the two-wheelers. The replacement of fuels hostile for the environment and manufacture of wooden two-wheelers are appreciable steps in the light of increasing environmental issues. The objectives of our study are to discuss the need to adopt green automobiles and highlight recent developments in the area. The results of the study include an urgent need to replace fossil fuels with cleaner fuels in vehicles. It may be concluded that Covid-19 and the previous zoonotic diseases have raised the alarm to adopt sustainable practices. There is a need for the governments and the private entrepreneurs to push green vehicles by investing in them to reduce their price. Considerable infrastructure support must be given to the advanced eco-friendly vehicles. It is hoped that all the countries would take significant steps and move towards sustainable transportation. The study is doctrinal.

Keywords: green, sustainable, transport, wood.