

Extraction of Green Chemicals from Biomass and their Promising Application in Value added Textile

Supervisors



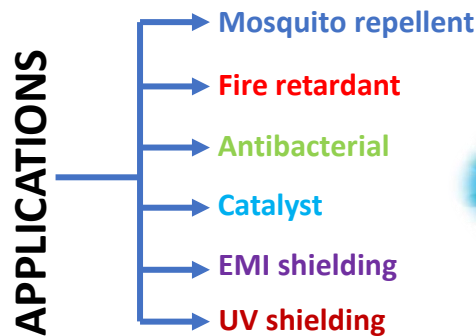
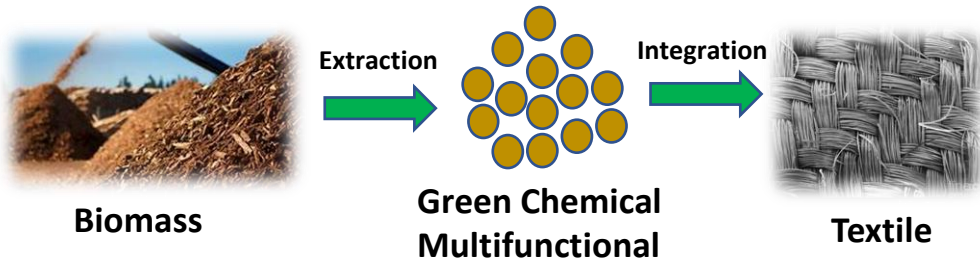
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Biomass as a renewable and sustainable carbon source is a promising alternative for the production of green chemicals that are generally produced from fossil reserves. However, direct conversion of biomass into a desired chemical is difficult as it comprises complex molecules. There are serious steps were taken to produce green chemical from biomass and also considerable attention is given to the development processes for its conversion to desirable product. The current technologies to treat this biomass waste require toxic chemicals, intensive man power and energy which are not sustainable. Thus, there is a stringent need to develop an alternate technology which must be more efficient, economical and environmentally benign. Heterogeneous catalyst are green and sustainable sources that can convert biomass waste into a green chemical source for various novel applications. The aim of the proposed project is to check the feasibility of biomass waste for the synthesis of green chemicals and their applications for textiles to further improve their performances