

New green chemical products and technologies of anti-epidemic and disinfection

The COVID-19 epidemic has spread widely and difficult to control. At the same time, it has a large consumption of commonly used medical anti-bacterial textiles such as masks, protective clothing, and other anti-bacterial disinfection agents are exceptionally large, while problems such as timeliness, regional, security, and portability also increase the supply of anti-epidemic disinfection.

Aimed at the major and common urgent needs of "The Belt and Road" countries for anti-epidemic disinfection, this project provide a platform for the following collaborators through the network: 1) For the typical countries of "The Belt and Road", such as Thailand, Myanmar, Cambodia, Ethiopia, Ghana, etc., to transfer technology and promote 2~3 products in local area, a series of new environmentally friendly products which suitable for the local environment are selected by two sides, such as artemisinin wax oil wash-free disinfection gel (containing alcohol and alcohol free), ethanol-free disinfection agent, antibacterial fibers, cooling masks and protective clothing, etc.. 2) In view of the timeliness and convenience of disinfection products, 1~2 miniaturized disinfection product manufacturing equipment (containing alcohol and alcohol free, suitable for Muslim countries) will be developed which is used for family or small community by themselves, and will be generalized in 2~3 "The Belt and Road" countries. 3) A series of anti-epidemic disinfection training forums for "The Belt and Road" countries are organized to conduct short-term technology training. 4) An anti-epidemic disinfection manual in English is printed for "The Belt and Road" countries and establish 2~3 scientific research cooperation bases/centers.

Through the above methods, a new "The Belt and Road" cooperation model characterized by technology promotion and application is formed to enhance the influence of the Chinese Academy of Sciences in "The Belt and Road" countries.