

Nanoparticles prevent mosquito breeding

Indian scientists have succeeded in blocking experiments the growth of mosquitoes with a mixture of simple carbon nanoparticles, environmentally friendly and easy to produce



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This solution can be the answer long awaited for preventing mosquito-borne disease causes nearly 2 million deaths per year worldwide , mosquitoes can survive in almost any environment, except for extremely cold areas. Mosquitoes are not just a nuisance insects but also infectious agents many dangerous diseases, including malaria, Dengue, Yellow fever, encephalitis. , bring mosquito species such as dragonflies specializes in ecosystem, but the implementation is not simple and is not optimal , from which is born larvae wriggling Prof. Sabyasachi Sarkar Photo RSC Shutterstock and inorganic chemists at the University of Science and Technology Bengal India has accidentally found a different solution. In order to capture species after zebra fish eat mosquitoes, Scientists have used a solution of carbon nano particles (wsCNPs) on mosquitoes. It is observed that the solution wsCNPs seems to slow the rise of wriggling. After careful research, Prof. Sarkar and colleagues have demonstrated that the concentration of 3 mg per liter of water wsCNPs, wriggling mosquito can not mature into, resulted in them being eliminated entirely. Also at this concentration, wsCNPs solution does not affect what the environment. Further, wsCNPs can survive in stagnant water over many months, not lost as the type of insecticide khacLoai carbon nanoparticles can be produced by burning wood chips in a low oxygen environment, washed and adding nitric acid. It is a process that can be easily extended. Mosquito program of the State government should test this method, especially where drainage is not good Prof. Sarkar proposed. The team of Prof. Sarkar actively explore ways in which this kind of carbon nanoparticles affect the growth of mosquitoes, and consider their long-term impact on the environment