



# Micro Aware E- Bulletin

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## Anti-Microbial Resistance - The Next Pandemic



The WHO has now projected that Anti-Microbial Resistance (AMR) in bacteria, viruses and parasites is emerging as one of the greatest challenges to public health and could lead to the emergence of a post-anti-microbial era – where a simple infection could be fatal. Thus AMR, a natural consequence of excessive anti-microbial usage, coupled with sluggish development of novel drugs, and poor anti-microbial

stewardship, is today a global, multi-factorial problem with immense complexity. This phenomenon is not only intrinsically linked to human health and behaviour, but also inherently connected with our entire ecosystem including animal health, food production, agriculture and the environment.

For information check out <https://health.economictimes.indiatimes.com/news/industry/anti-microbial-resistance-the-next-pandemic/80039604>

## Novavax Reports Varying Success vs. COVID-19 Variants



NVX-CoV2373 is the first vaccine to demonstrate not only high clinical efficacy against COVID-19 but also significant clinical efficacy against both the rapidly emerging U.K. and South Africa variants,” Stanley C. Erck, Novavax’s president and CEO, said in a statement. Novavax electrified investors last night by announcing that its COVID-19 vaccine NVX-CoV2373 showed efficacy of

89.3% in the company’s first analysis of data from a Phase III trial in the U.K., where a variant strain (B.1.1.7) accounted for about half of all positive cases. With these results in hand, we think NVAX will be able to file for emergency use authorization (or its equivalent) in multiple territories. Click below for further information

<https://www.genengnews.com/news/novavax-reports-varying-success-vs-covid-19-variants/>

## Malaria 'completely stopped' by microbe



Scientists have discovered a microbe that completely protects mosquitoes from being infected with malaria. The malaria-blocking bug, Microsporidia MB, was discovered by studying mosquitoes on the shores of Lake Victoria in Kenya. It lives in the gut and genitals of the insects. The researchers could not find a single mosquito carrying the Microsporidia that was harbouring

the malaria parasite. Microsporidias are fungi, or at least closely related to them, and most are parasites. However, this new species may be beneficial to the mosquito and was naturally found in around 5% of the insects studied. Further information available on

<https://www.bbc.com/news/health-52530828>