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आई सी एम आर – राष्ट्रीय विषाणु विज्ञान संस्थान

स्वास्थ्य अनुसंधान विभाग  
स्वास्थ्य एवं परिवार कल्याण मंत्रालय, भारत सरकार

**ICMR - NATIONAL INSTITUTE OF VIROLOGY**

Department of Health Research  
Ministry of Health & Family Welfare, Govt. of India

Date-23<sup>rd</sup> August 2024

**Citation for the nomination of Dr. Deepti Parashar for being considered for the**  
**SUN PHARMA RESEARCH AWARD**

Dr. Deepti Parashar's major work is aimed at developing antiviral drugs against dengue and chikungunya virus, the two most important human pathogens of public health concern in India. This includes novel small molecule inhibitors, natural products, repurposed drugs, micronutrients, nanoparticles, and siRNAs. Besides elucidating their precise molecular mechanisms of action, she has established their efficacy in preclinical models and developed solid lipid nanoparticles and metal-organic-framework delivery systems against some of the selected antiviral candidates.

In addition, she has been a lead investigator in manufacturing, quality control testing, and distribution of dengue, chikungunya, and Japanese encephalitis diagnostic kits throughout the country as per the requirement.

Dr. Parashar's work is exemplified by publications in journals of high international repute in the field of antiviral research, and she is one of the leading researchers in the area of antiviral drugs in India. Besides publishing >80 papers and 7 book chapters, she has 6 granted patents.

  
23/08/2024

DR. NAVEEN KUMAR  
DIRECTOR