

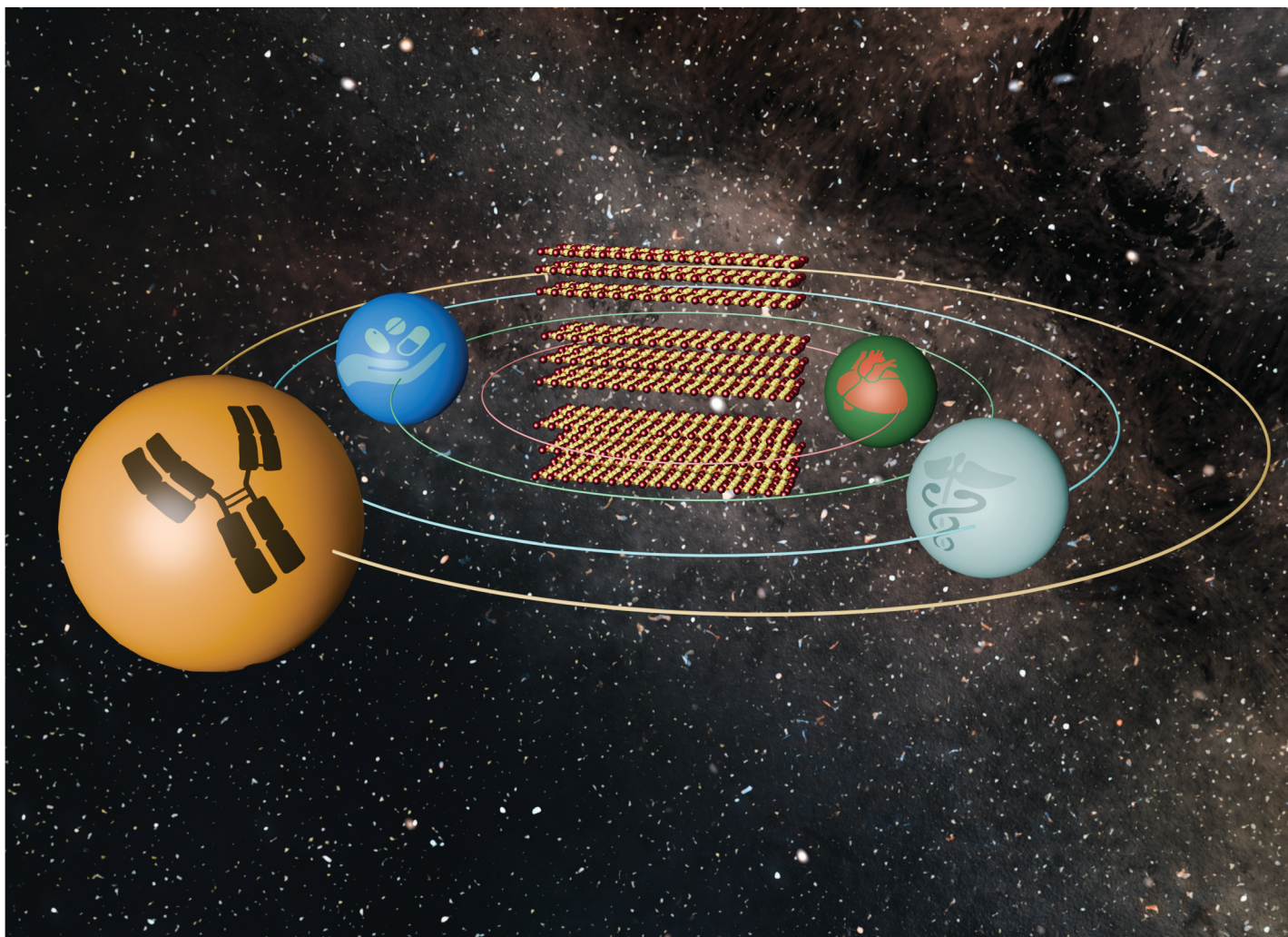
RSC Applied Polymers

**The application of polymers,
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**Fundamental questions
Elemental answers**



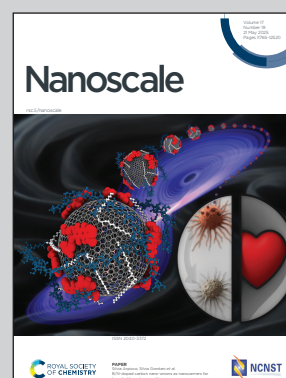
Showcasing research from Professor Dr. Sanjiv Dhingra's laboratory, St. Boniface Hospital Research Centre, Max Rady College of Medicine, University of Manitoba, Winnipeg, Canada.

MXenes in healthcare: transformative applications and challenges in medical diagnostics and therapeutics

This review highlights the exciting potential of MXenes, a new class of 2D materials in revolutionizing healthcare. It explores how these materials improve wearable sensors, support tissue repair, and help fight infections through antimicrobial and immune-modulatory properties. The review also discusses challenges like safety and large-scale production, offering solutions to help bring MXene-based technologies into real-world medical use.

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As featured in:



See Sanjiv Dhingra *et al.*, *Nanoscale*, 2025, **17**, 11785.