Dr Tapas Sen's 300 words Bio-profile

Professor Tapas Sen educated from India with a PhD degree from the National Chemical Laboratory, Pune University, is an internationally recognized scientist in the fields of **Nanomedicine, Chemical Sciences, and Environmental Engineering**, with a distinguished record of academic leadership, research excellence, and global impact. He is a **Fellow of the Royal Society of Medicine (FRSM)**, **Fellow of the Royal Society of Chemistry (FRSC)**, and **Fellow of the Higher Education Academy (FHEA)**, reflecting his outstanding contributions to research, innovation, and higher education. He sits in the Intergovernmental Policy Panel for the United Nations Environmental Programme (UNEP) under Open Ended Working Group (OEWG-3).

With more than **100 high-impact peer-reviewed publications**, and multiple editorial roles in prestigious journals including *Nanomedicine* (Future Medicine), *Biomedicine* (MDPI), and *Frontiers in Chemistry*, Professor Sen has established himself as a leading global voice in nanotechnology and chemical sciences. His research has led to significant **knowledge transfer to industry**, including a commercial **DNA Extraction Kit** developed with Q-Bioanalytic GmbH, Germany, and patented nanocomposite technologies for water treatment with Feedwater Ltd., UK. His magnetic nanobeads have been utilized by **Royal Philips, Netherlands**, as MRI contrast agents, demonstrating the translational value of his work.

Professor Sen has received several prestigious honours, including the **2025 Going Global Award** for research impact, the **Nav Rattan Award (9 Jewels)** in 2023, and the **Hind Rattan Award** in 2018.

His expertise is frequently sought by international media, with commentary featured in *The Independent*, *Daily Mirror*, *Yahoo! UK*, *Irish News*, and *The Daily Telegraph*. He also contributes to global chemical policy as a member of the **Royal Society of Chemistry Intergovernmental Science Policy Panel** for the United Nations and has led multiple **UNEP capacity-building projects**.

Through his research, leadership, and global engagement, Professor Sen continues to advance scientific innovation and international collaboration.