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Rachna Dixit, Kun

1 The current and nano

Abstract: Nanocomposites are a new class of cutting-edge materials with their multifunctional properties of degradability, biocompatibility, biocatalytic, and optical properties to increase from US\$1 billion in 2020 but 15.7% during the scenario. Due to their applications in energy, electronics, and other fields. This chapter discusses the synthesis, properties, and provide

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1.1 Introduction

According to legend, the first proposed the concept of nanotechnology in 1959, he delivered a lecture at the American Physical Society. In this presentation, he introduced the term 'nanotechnology' in the Encyclopedia Britannica. The atoms and molecules are the building blocks of matter, and they are bound by placing them together.

Nanotechnology is a new technology ranging from 1 to 100 nm. It has many applications in the nanoscale and microscale. The outstanding

*Corresponding author: Rachna Dixit, Kun
Uttar Pradesh, India
India

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