

Special issue on

Advances in nanomaterials in dentistry

CALL FOR PAPERS

Submission Deadline: September 2, 2023

Publication Date: Jan 2024

This Issue is now open for submissions. Manuscripts should be submitted online at aber.apacsci.com by registering and logging in to this website. Then you can submit the manuscripts.

Papers are published upon acceptance, regardless of the Special Issue publication date.

In our journal *Nano and Medical Materials*, a special issue is calling for papers about nanomaterials in dentistry.

Nanotechnology is used extensively in our daily lives, including its application in medicine. It is helpful to analyze and manipulate the atoms, chemical bonds and molecules among various compounds. Nanodentistry was born in 2000. Various nanomaterials can be used for the restoration of decayed, carious, missing, and fractured teeth. Nanostructures are used in dentistry for innovative or diagnostic purposes. Some nanoparticles are used in oral disease prevention drugs, prosthetics and dental implants. Nanomaterials further deliver oral fluids or drugs to prevent and treat some oral diseases (oral cancer) and to a large extent maintain oral health care.

In addition, nanodentistry attracts patients' interest in dentistry because it will be cost-effective, save time and prevent patients from being traumatized. The improvement of nanomaterials will certainly help solve dental problems. The materials should have two important properties, namely strength and esthetics largely depending upon the filler particle size. The limited effectiveness of nanotechnology in the treatment of oral diseases will quickly drive investigations to ensure possible developments in the near future.

In this issue, we hope to solicit papers on nanotechnology in dentistry involving topics such as **nanorobots in nanodentistry, nanocomposite artificial teeth, nanoceramics grains, nano-bone graft materials, synthesized nanorods, challenges faced in nanodentistry, etc.**