

FROM SCIENCE FICTION TO REALITY NANOROBOTS IN DENTISTRY

Nanotechnology is the science of manipulating matter, which is measured in billionth of meters or in nanometers, that will be of size 2 or 3 atoms. “Nano” is a Greek word which means “dwarf. Nanorobots are the microscopic devices, which is measured in nanometers where $1 \text{ nm} = 10^{-9} \text{ m}$. Nanorobots work at the atomic, cellular and molecular level to perform major tasks in the field of medicine and dentistry .

STRUCTURE

ELIMINATION

POWER SOURCE

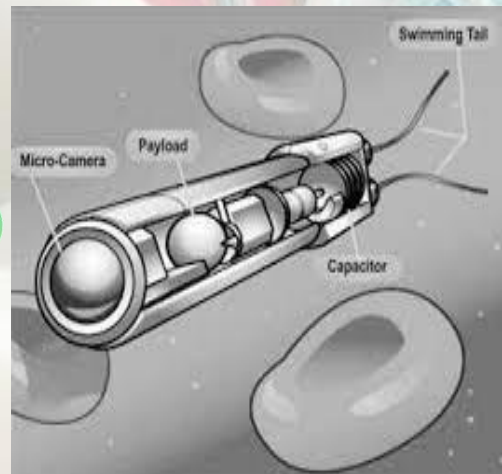
MECHANISM OF ACTION

ENGINEERING

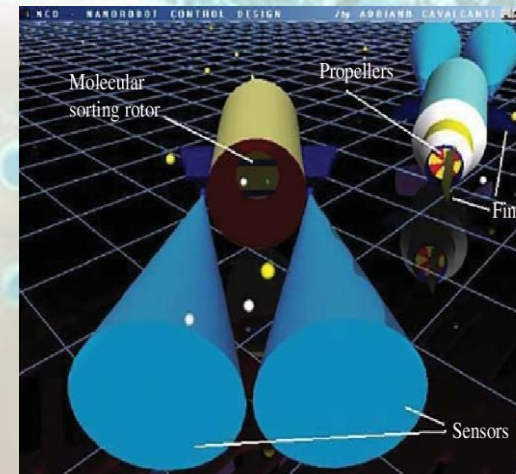
CHALLENGE

SOCIAL

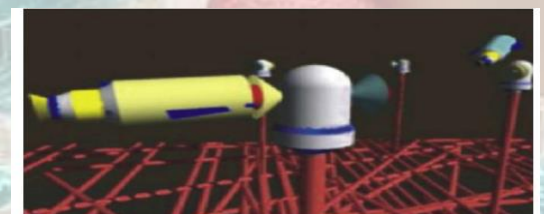
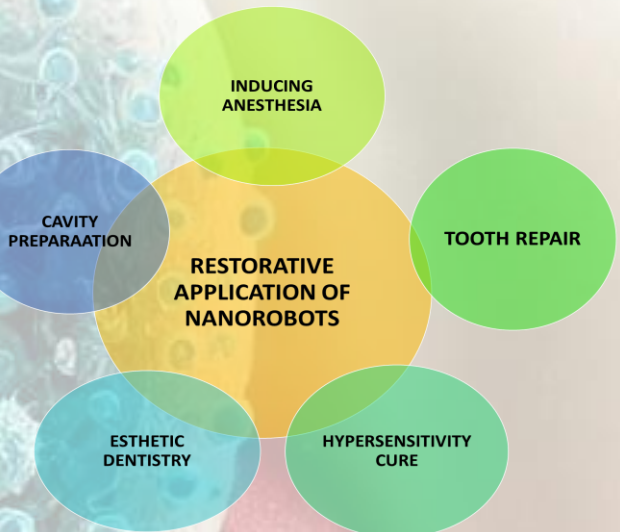
BIOLOGICAL



CAVITY PREPARAION AND RESTORATION



TOOTH REPAIR



INDUCING ANESTHESIA

CONCLUSION: Dental nanorobots, today somewhat fictional, will bring significant benefits in oral health, contributing to achieving painless, quick and high precision dental treatments

PRESENTATION CODE: 168