

10.1. Introduction

Nanoparticles are very small particles with a size in the range from 1 to 100 nanometers. The research of nanoparticles is currently the area of an increasing scientific interest. The main motivation for this research is a wide applicability of nanoparticles in biomedicine, bioanalytical chemistry, molecular biology, optics, electronics, chemical synthesis (catalysis) and others.¹⁻³