



Editor-In-Chief

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Editorial

Current problem in nanobacteriology includes the resistance of some bacteria to antibiotics. This issue presents the cures of infections due to bacteria, fungi and virus attacks. Microbial resistance to antibiotic has been discovered globally according to World Health Organization (WHO) report. This problem of microbial resistance is envisaged to be more than HIV/AIDS issue. A lot of research is being done as a solution to this crucial problem: Some researchers have shown that nanogel are effective against antibiotic resistance bacteria. These nanogels are built from biodegradable materials and have the ability to break through the cellwalls and membranes of bacteria. This is a different mode of attack from antibiotic which is anti-life since nanogels selectively attack the bacteria without destroying the surrounding healthy cells. The nanogel synthesized can be put into antibacterial soap, deodorants, hand sanitizers, lotion. It can be used for cures of tuberculosis, lung infections and healing of wounds. In this present publication, chitosan nanoparticle are synthesized using ion gelation method, using tripolyphosphate as cross-linking agent with modifying agents from tropical fruit extracts; rambutan (*Nephelium lappaceum*) and blackberry (*Rubus glaucus*), containing antioxidants; gallic acid, giving chitosan nanoparticles the ability to inhibit bacterial growth.

Further this issue will report on nanosensor fabricated from SnO₂ quantum dots embedded in polyvinylpyrrolidone as ethanol sensors. The journal continues its tradition of publishing quality articles of research in the emerging field of nanosciences and nanotechnology. My sincerest appreciation goes to those editors and authors who made this issue possible.

Editor-In-Chief

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