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Challenges of nanotechnology; Nanomedicine: Nanorobots

Nanotechnology is an engrossing science for many scientists now days as it offers them many challenges. One of such challenge is nanorobots, which once thought to be an illusion has come into reality now. The use of nanorobots has a wide range from common cold to dangerous disease like cancer. Some active examples are microbivores, chromallocyte, respirocyte and many more. Nanomedicine is a part of nanorobots. Nanomedicine offers the anticipation of powerful new equipment for the treatment of human diseases and the improvement of human organic systems. The present generation of nanotechnology has reached to a stage where scientists are able to develop programmable and externally controllable complex equipment that are built at molecular level which can work inside the patient's body. By the help of nanotechnology scientist prepare nanorobot which operate the human body, transport important molecules, manipulate micro objects and communicate with doctors by way of miniature sensors, motors, manipulators, power generators and molecular-scale computers. Nanorobots have exceptional function in health care and environmental monitoring. By using nanotechnology, doctors accept different challenges to cure deadly disease like cancer, diabetes, tumor or respiration related diseases. So, nanotechnology in form of nanorobot is a bless to human beings.

Speaker Biography

Alok Kumar Dash has completed B. Pharm from IGIP, M. Pharma from KMIPS and Ph.D. degree from Suresh Gyan Vihar University (SGVU) in Rajasthan, India. He is working as an assistant professor in Institute of Pharmacy, Veer Bahadur Singh Purvanchal University in Uttar Pradesh, India. His field of research focuses on natural products chemistry, pharmacognosy, pharmacological screening and standardization method development for herbals. He has more than 40 national and international publications and 2 patents in his credit. His biography is published Asian Admirable Achievers in 2016. He received the globally reputed 'Rashtriya Gaurav Award'-2017. His profile is selected for Bharat Vikas Award Recipient of "Certificate of Excellence in Reviewing-2017" by European journal of medicinal plant, Science Domain International and has been serving as an editorial board member of International Journal of Modern botany Scientific & Academic Publishing, Asian Journal of Chemical Sciences and many more.

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