



THE CONTROLLED DRUG DELIVERY SYSTEMS: PAST FORWARD AND FUTURE BACK

DR. ANIL BATTA

PROFESSOR & HEAD, DEPARTMENT OF MEDICAL BIOCHEMISTRY GOVT. MEDICAL COLLEGE, AMRITSAR

Abstract: The controlled drug delivery technology has progressed over the last six decades. It began in 1952 with the introduction of the first sustained release formulation. The 1st generation (1950-1980) of drug delivery was focused on developing oral and transdermal sustained release systems and establishing the controlled drug release mechanisms. Attention of the 2nd generation (1980-2010) was dedicated to development of zero-order release systems, self-regulated drug delivery systems, long-term depot formulations, and nanotechnology-based delivery systems. The latter part of the 2nd generation was consumed mostly for studying nanoparticle formulations. The Journal of Controlled Release (JCR) has played a pivotal role during the 2nd generation of drug delivery technologies, and it will continue playing a leading role for the next generation. Taking the right path towards the productive 3rd generation of drug delivery technologies requires honest open dialogues without any preconceived ideas of the past. The drug delivery field needs to take a bold approach of designing the future drug delivery formulations first, based on today's necessities, and produce necessary innovations. The JCR will provide the forum for sharing the new ideas that will shape the 3rd generation of drug delivery technologies



Biography: Prof. Dr. Anil Batta is presently professor & Head with senior consultant in Govt. Medical College, Amritsar. He did his M.B.B.S. and M.D. in Medical Biochemistry from Govt. Medical College, Patiala in 1984 and 1991, respectively. His research interest is mainly in clinical application especially cancer and drug de-addiction. He has supervised more than 25 M.D., M.Sc. and Doctorate researches and published more than 130 international research papers. He is the chief editor of America's Journal of Biochemistry. He is also working as advisor to the editorial board of International Journal of Biological and Medical Research.

Publications: 1. Anil Batta Biochemical diagnosis of acute appendicitis International Journal of Medical and Health Research ISSN: 2454-9142
2. Anil Batta Burnout Syndrome in Medical Fraternity ISSN 2518-3389 (Print) ISSN 2518-3397 (Online) Scholars Middle East Publishers, Dubai, United Arab Emirates
3. Anil Batta Vitamin B12 and Depression Saudi Journal of Medicine ISSN 2518-3389 (Print) | ISSN 2518-3397 (Online) Scholars Middle East Publishers, Dubai, United Arab Emirates
4. Anil Batta Depression, Anxiety and Distress in Patients of Cancer Starting Chemotherapy Scholars International Journal of Biochemistry Abbreviated Key Title: SchInt J Biochem ISSN 2616-8650 (Print) | ISSN 2617-3476 (Online) Scholars Middle East Publishers, Dubai, United Arab Emirates
5. Anil Batta Biochemical Diagnosis of Dupuytren's Disease *East African Scholars J Med Sci* ISSN 2617-4421 (Print) | ISSN 2617-7188 Original Research Article

[18th International Conference on Drug Formulation & Drug Delivery, May 04-05, 2020 Bangkok Thailand](#)

Abstract Citation : [Anil Batta: THE CONTROLLED DRUG DELIVERY SYSTEMS: PAST FORWARD AND FUTURE BACK, DRUG FORMULATION CONGRESS 2020, Bangkok Thailand, May 04-05, 2020, pp.1-2](#)