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3.3.3 Number of books and chapters in edited volumes / books published, and papers in national/international conference-proceedings per

Sl. No	Name of the teacher	Title of the book/chapters published	Title of the paper	Title of the proceedings of the conference	Name of the conference	National / International	Year of publication	ISBN/ISSN number of the proceeding		Name of the publisher
1	Dr.Santosh K,Dr.C C Patil,Mr.Shripad Potadar	A Chapter "Technical Aspects of Spectrophotometric Methods in Analytical Chemistry" In book: Role of Chemical Sciences in Technology and Development for Sustainablity		s			2020	978-93-5416- 618-1	BLDEA SSM CoP & RC, Vijayapura	Immortal Publications Vijayawada
2	Dr.Santosh K,Dr.C C Patil,Mr.Shripad Potadar	Chapter: Application of hydrotropes for aqueous solubality:A Gateway to green NanoTechnology					2021	978-93-5426-	BLDEA SSM CoP & RC, Vijayapura	Immortal
3	Dr.Santosh K,Dr.C C Patil,Mr.Shripad Potadar	World Health Organization guidelines and Standard Precautions for Waste Management					2021	978-93-5457	BLDEA SSM CoP & RC, Vijayapura	
	Dr.Santosh K,Dr.C C Patil,Mr.Shripad Potadar	Infection prevention and control and Environmental						978-93- 1) 91284-02-2.	BLDEA SSM CoP & RC, Vijayapur	Adhyaya publishers

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		services: WHO Guidelines, in the book entitled Covid 19 and India			_		
	Dr.Santosh K,Dr.C C Patil,Mr.Shripa 5 Potadar	Pharmaceutical Pollution and Health Impacts, in the book entitled Global Environmental Justice: Policies and Implementations		2021	978-93- 90818-44-0		Bharti Publications New Delhi
6	Dr.Santosh K,Dr.C C Patil,Mr.Shripac Potadar	Student Attitude and Teaching Tips, in the book entitled Emerging Trends in Indian Education	v.	2021	978-81- 953578-0-2.	BLDEA SSM CoP & RC, Vijayapura	A.R. Publishers and Distributors Delhi and Ayodhya
7	Dr.Santosh K,Dr.C C Patil,Mr.Shripad Potadar	Role of Engineers in Pharmaceutical Industry, in the book entitled Role of Basic Sciences in Modern Engineering Education		2021	978-3- 96492295-3.	BLDEA SSM CoP & RC, Vijayapura	Weser Books Zittau, Germany
1	Dr.Santosh K,Dr.C C Patil,Mr.Shripad Potadar	Future of Analytical Chemistry, in the book entitled Research and Innovations in Chemical Sciences: An Approach towards qualitative		2021	978-93-	BLDEA SSM CoP & RC, Vijayapura	Bharti Publication

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10	S M Metri	20-QSAR study of synthesized novel derivatives of 1,3,4- oxadiazoles as anti- inflammatory activity at	UCESCO/UNITWIN Network Web Seminar during Aug 6&7th 2020 organized by BLDE(Deemed to be university) ISSN number 2468-838X	International		2020	2468-83		BLDEA SSM CoP & RC, Vijayapura
1	SZ Inamdar	Development and evaluations of medication reconciliation checklist tool to improve patient safety	UCESCO/UNITWIN Network Web Seminar during Aug 6&7th 2020 organized by BLDE(Deemed to be university) ISSN number 2468-838X	International		2020	2468-8	38X	BLDEA SSM CoP & RC, Vijayapura
2	Shripad Potdar	Synthesis and anti- tubercular activity of some new Quinixaline derivatives	UCESCO/UNITWIN Network Web Seminar during Aug 6&7th 2020 organized by BLDE(Deemed to be university) ISSN number 2468-838X	International		2020			BLDEA SSM CoP & RC, Vijayapura
	Santosh Karajgi	Bendamustine Linerarity Profile for hydrotropic solubilization in the 1st Online international conference	St Martin's Engineering college of Dhulapally,Secundrabad,TS,India on 13th and 14th August 2020 ISBN 978- 93-88096-42-3	International		2020	978-9	3- 6-42-3	
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			university) ISSN number 2468-838X				BLDEA SSM
15	Santosh Karajgi	Hydrotropic solubalization of rebamipide for a green method of quantification and analysis in bluk drugs and formulations	International multidisciplinary conference 2021 universal group of institutions ,Lulru,Chandigarh,Panjab 2021	International	2021	987-93- 91535-12-3	CoP & RC, Vijayapura

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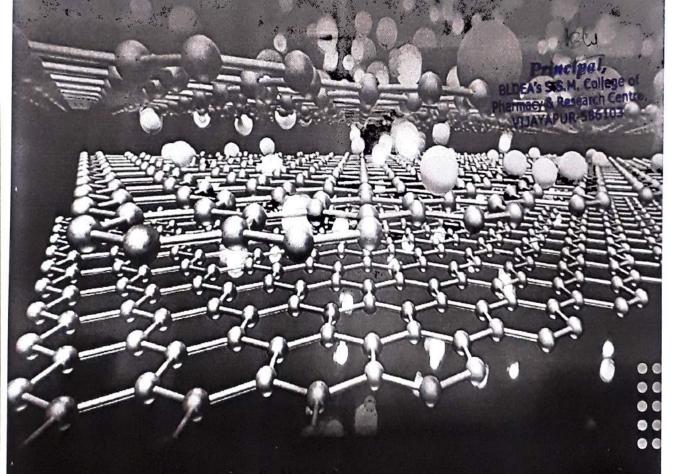
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ROLE OF NANOTECHNOLOGY IN SCIENCE AND ENGINEERING

It's a Present & Future Technology



Edited by: DR. BASSA SATYANNARAYANA



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Title: ROLE OF NANOTECHNOLOGY IN SCIENCE AND ENGINEERING

It's A Present & Future Technology

Editors: Dr. Bassa Satyannarayana

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Chapter

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IMPORTANCE OF NANOTECHNOLOGY IN DRUG DELIVERY SYSTEMS

DR. CHANDRASHEKAR C. PATIL, DR. SANTOSH KARAJGI, SAYED SAMIULLAH HUNDEKAR

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ABSTRACT

Nanoparticles (NP) are defined as particles with a diameter smaller than 100 nm, are progressively much more used in different applications, including drug carrier systems and to bypass organ obstructions such as the blood-brain barrier. For the reason that of their distinctive characteristics Nano-crystals (quantum dots) and other nanoparticles (nanoshells, nano-bars, dendrimers and gold colloids) have been getting a lot of interest for prospective use in Therapeutics, and therapeutics drug discovery. Nanotechnology proffers several advantages in the treatment of chronic human diseases by target-specific and siteoriented fixed delivery of medicines. In recent period, there are numerous wonderful applications of the nano-medicine (immunotherapeutic agents, chemotherapeutic agents, biological agents, etc.) in the healing of a variety of diseases. The size of nano-materials is alike to that of a good number of biological molecules and structures; therefore, nanomaterials can be helpful for both in vivo and in vitro biomedical research and applications. Thus far, the incorporation of nano-materials with biology has progressed to the expansion of analytical tools, diagnostic devices, physical therapy applications, contrast agents, and drug delivery vehicles. Undoubtedly, nanotechnology is a greet development that is set to modernize drug delivery and contribute for drug chain management, if optimally developed.

KEYWORDS: Nano Particles, Quantum dots, bio medical applications.

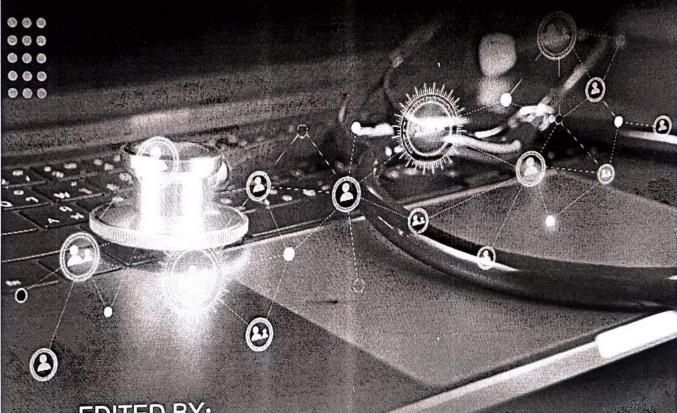
INTRODUCTION

Nanoparticles are defined as particulate dispersions or solid particles with a size in the range of 10-1000nm. Nano capsules are systems in which the drug is restrained to a cavity encircled by a distinctive polymer casing. The conservative application of drugs throws

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RECENT ADVANCES IN HEALTH CARE



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Chapter

1

Disease Prevention and Management: An Update

P

Dr. Santosh Karajgi¹, Dr. Krishna Deshpande² & Mr. Shripad Potadar³

^{1&3} Department of Pharmaceutical Quality Assurance, BLDEA's SSM College of Pharmacy and Research Centre, Vijayapur ²Department of Clinical Pharmacy Practice, BLDEA's SSM College of Pharmacy and Research Centre, Vijayapur. *Corresponding Author: Dr. Santosh Karajgi, Email: santosh.karajgi@gmail.com.

ABSTRACT

According to WHO definition, disease is any destructive deviation from the common structural or functional condition of an organism, in general, connected with definite signs and indications and differing in nature from physical injury. An ailing organism generally shows signs and/or indication Kaushik, ting its abnormal condition. Integrated care is a concept for decreasing expenditures spent on health-care and improving the value of life for those with chronic sickness by putting a stop to symptoms of diseases. It's a scheme of synchronized healthcare processes and interactions for a selected patient populace that facilitates them to be involved in self-care.

KEYWORDS: Disease, Health care, public health, Disease Classification, Disease management.

INTRODUCTION

Classifications of diseases turn out to be very much critical in collecting statistical data on root causes of illness, that is, morbidity and reason of death, that is, mortality. It is essential to be aware of what kind of sickness and ailments are prevalent in a given locality, in addition to how these occurrence rates alter in due course. It became understandable when diseases were classified; when lung carcinoma was soaring in the middle of the 20th century.

It has now vanished from being an exceptional kind of malignancy to becoming the most widespread ailment in human beings. With this finding, a look for possible rationalization of the augmented incidence initiated. The research people decided that lung carcinoma is intimately connected to smoking. Disease classification had helped a lot in the invention of a considerable and recurrently contributory relation.

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NEP 2020

c4 Road Map to Fiture Higher Education

Relations

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NEP 2020: Redesigning Pharmacy Education

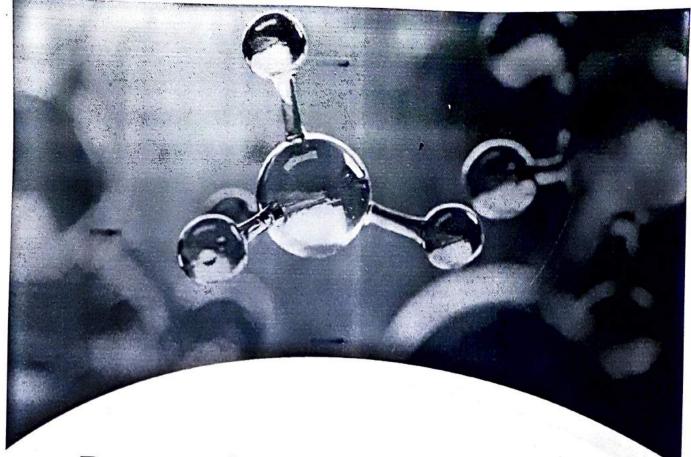
Dr. Santosh Karajgi

Introduction

We are living in 21st century and even now adapted the 34 years old, i.e. almost three and half decade old education policy. Late Rajiv Gandhi headed government outlined the education policy was structured on the basis of 'operation blackboard'. Still will we be capable of keeping the tempo with the competitive global environment with that teaching system? The answer is clearly no!

Let's cite an example at this point. In a warfare one country is combating with antique weapons like sword, and the other one is fighting with all the modern equipments like airplanes, missiles, radars, drones, guns, bombs and even secret microbial attacks. Which nation will have assured chances to be the victorious? The planet is shifting toward a rapid change! It is enduring speedy changes in knowledge scenery. Education is the most potent weapon to surmount the globe. Now, it's in actuality significant to gain knowledge of that 'how to learn'.

Our present education structure is totally based on learning method which gives zero outcomes when we in reality come into the real world where we have to incorporate our theory, we cleanly are unsuccessful.



Research and Innovations in CHEMICAL SCIENCES

An Approach towards Qualitative and Quantitative Studies and Applications



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Editors:

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Future of Analytical Chemistry

Dr. Santosh Karajgi

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Abstract

As the learning of the chemical configuration and characterization of samples, analytical chemistry has an imperative part in the pharmaceutical and other basic sciences. However, what does the future embrace for this up-and-coming fate? These days, the challenge in analytical chemistry, and generally in quantitative analysis, comprise the development and validation of new molecules, approaches and actions to meet up the rising requirement for fast, responsive, choosy and greener techniques. In this perspective, bearing in mind the continuously updated worldwide procedures, expected novelty is compulsory both in the pre-treatment measures and in the instrumental patterns to attain consistent, factual, and repeatable data outputs. In this article, we can have a glance at the development in analytical chemistry that are affecting continuing research and balanced to have a main impact for days to come.

Advantages of Current Development in Analytical Instruments:

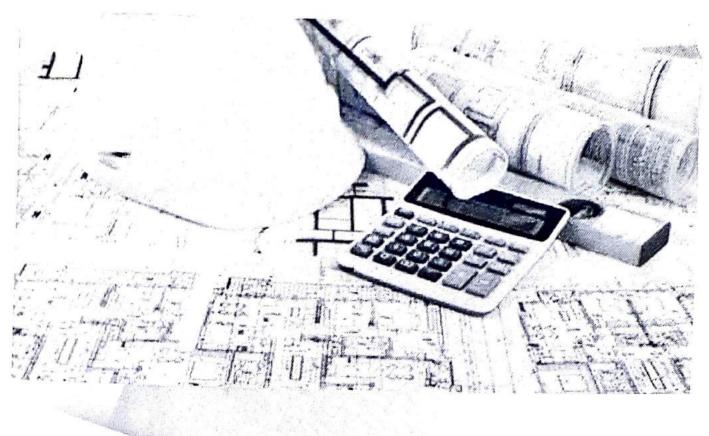
1. Miniaturization

Thankfulness to brisk growth in instrumentation, micro-electromechanical systems are flattering progressively more pocket-sized in magnitude — making it achievable to reduce demanding in operational room, water, reagents and energy, in addition to a number of additional high-cost variables.

Specifically, the increase of movable laboratories and transportable bench-top spectrophotometric instruments has facilitated more diverse analytical purposes of the technology and equipments, providing analytical chemists superior reach for beyond laboratory outreach. In the precedent time, most spectrophotometers were burdensome

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ROLE OF BASIC SCIENCES IN MODERN ENGINEERING EDUCATION

EDITOR

Aruna Kumari Nakkella

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ROLE OF ENGINEERS IN PHARMACEUTICAL INDUSTRY

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ABSTRACT

In latest years, the pharmaceutical industry is living through an era of incomparable revolutions, where rising market extension and technology advancements have sector growth greater than before. One appropriate explanation to the emergent need can be the management of uninterrupted manufacturing and process engineering with superior controls and reproducibility and low manual labor and manufacture cost which can be attained with alliance with competent engineers and superior technological innovations. To meet up the pharmaceutical needs engineer work alongside the pharmaceutical industry. All branches of engineering such as civil, mechanical, chemical, environmental are concerned in the pharmaceutical industry. A variety of positions taken by engineers and software applications used by pharmaceutical industry are discussed in this review.

INTRODUCTION

The occupation of Pharmacy has a long history. With the human being pharmacy profession too has advanced tangentially. Earliest man learned from intuition, from surveillance of wild livings just around him. By tryout, he learned and in due course applied himself his acquaintance for the help of others. But at the present the pharmaceutical science unite an extensive variety of scientific disciplines that are significant to the innovation and improvement of new medicines and therapies. [1, 2]

Every individual wants to escort a happy life with their cherished once which has augmented longer life expectation; this has shaped a novel rising confrontation to the pharmaceutical manufacturers. One of the toughest part of life are the elder years in which people suppose secure and proficient course of therapy which can help out them guide their rest of life and the industry's men are striving to meet up all these challenges in opposition to a scenery of more and more ferocious contest. These are the challenges that will only be achieved, only, if manufacturing units have high-performance fabrication tools allowing them to speedily convey medicines to the marketplace, with slightest risks. And engineers are the people they require to turn to for help.

In current time the confront faced by the manufacturing units for their production, preservation and GMP set of laws partnership with engineers is indispensable element of the pharmaceutical industry. [3] This has led to a lot of opportunity for life, moment in time and wealth saving modernization from engineers, which we are going to witness additional in our topic.

TYPES OF ENGINEERS SELECTED IN PHARMACEUTICAL INDUSTRY:

- · Pharmaceutical engineer.
- Chemical engineer.
- Environmental engineer.
- Industrial engineer: Mechanical and civil.

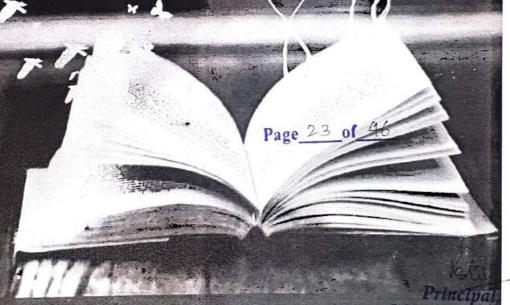
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EMERGING TRENDS IN INDIAN EDUCATION

भारतीय शिक्षा में उभरती हुई प्रवृत्तियां



Sugandh Kumar

Sugandh Kumar

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Lohans Kumar Kalyani

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Student Attitude and Teaching Tips

Dr. Santosh Karajgi

Abstract:

Student attitude on learning is a critical issue in the era of whatsapp and facebook and has a significant effect on traditional teaching methodology. This article highlights the impact of socio economic, emotional and negative attitude of students towards teaching learning process and teaching tips for educators regarding how to engage slow learners in learning process.

Key Words: student, attitude, teaching tips, learning

Student attitude on learning:

Attitude may influence each stage life of a person, even education also. The ability and eagerness of a student to learn depends on his/her attitude. If negative attitude of a student does not change, it is evident that it is doubtful a student can continue his learning ahead of what is necessary i.e. study will be limited to the syllabus. To bring a change in student's pessimistic attitude in the direction of education is an effort that entails deciding the issues prevailing to the mind-set and making use of these facts to accomplish transformation that creates interest towards learning.

How teachers arrive on a decision about student's attitude towards learning and education? The answer is very simple: it is proficient when the learners do not have motivation and eagerness; they fall short to take hold of the subject. At a particular age, student's level appears to be craving an affirmative approach and the stimulus to learn. Teachers once unveil the attitude of the students on learning habits; the next confront is to make use of the facts to develop an optimistic attitude. Students of higher classes i.e. students studying in final year can insinuate the forthcoming results of their education, for example superior professional openings and wealth. However, studying in first year will be still immature to imagine the big future. To those, level of thinking is limited; need of advancement and profit is instant.

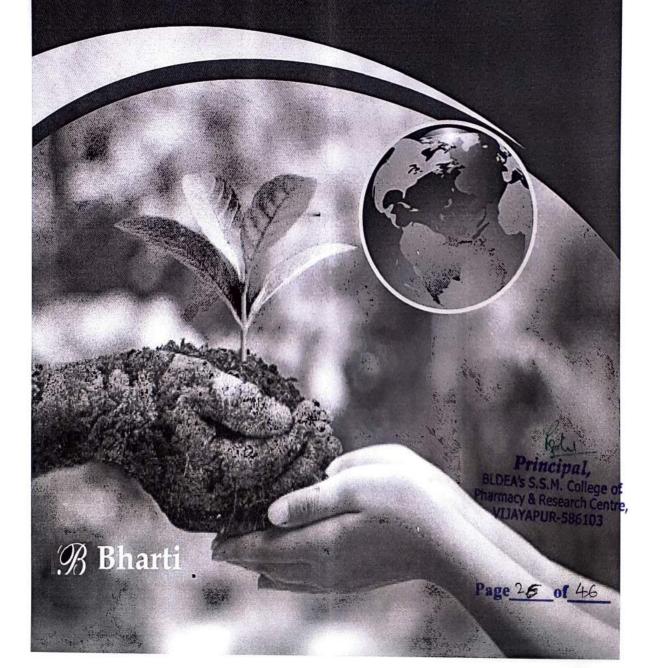
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Pharmaceutical Pollution and Health Impacts

Dr. Santosh Karajgi

Associate Professor, Department of Pharmaceutical Quality Assurance, BLDEA's SSM College of Pharmacy and Research Centre, Vijayapur, Karnataka

Abstract

Pharmaceutical pollution or drug pollution is pollution of the atmosphere through pharmaceutical preparations along with their metabolic products, which finally reach the aquatic surroundings like lakes, rivers, oceans and groundwater all the way through thrown away i.e. waste water. We can say that Pharmaceutical pollution is therefore nothing but a type of water pollution.

Drug pollution is at the present spotted in various waters everywhere in the earth, according to different scientists at different Ecosystem Studies Institutes. The major origins comprise of expiring amenities, sewage overflows and agricultural runoff. Even when wastewater makes it to sewage management services, these are still not properly set to eliminate drugs and pharmaceuticals

Causes of Drug Pollution and its Side Effects

Just in majority problem is from the medicinal compounds which have been passing or excreted through urine. The fraction that arriving from date barred or un-required useless pharmaceuticals that are unused simply flushed down when the lavatory is too smaller, but it is also significant, in particular in hospital premises where its enormity is bigger than in housing framework. This

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Dr. Dhiraj Singh

Title of the Book Nanotechnology - A Multidiversified Approach for Smart Materials

Applications of Hydrotropes for Aqueous Solubility: A Gateway to Green Nano Technology

Dr. Santosh Karajgi¹, Mr. Shripad Potadar², Dr. C C. Patil³

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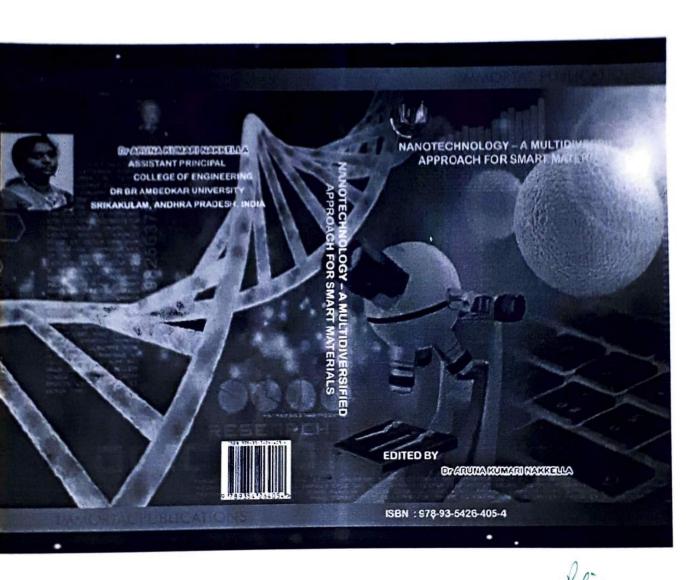
The words hydrotropy and hydrotropes was introduced by the researcher Carl Neuberg long ago in 1916, to deal with organic anionic salts which noticeably increased the aqueous solubility of poorly soluble substances. Currently hydrotropic solubilising agents have a high demand in industrial arena because of their exceptional features as they are easily available, have an excellent recovery capability, nonexistence of fire vulnerability, higher features of separation ability devoid of any emulsification problem due to solutes and eco-friendly properties with great importance in the area of green chemistry. The current review article introduces the readers from side to side a brief overview, characteristic features of hydrotropic solubilizing agents, theoretical aspects of mechanisms involved and their diverse advances in the direction of drug delivery options. Furthermore, this review provides an imminent of the future standpoint apprehensive with the drug delivery aspects and hydrotropism.

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Principal, BLDEA's S.S.M. College of Pharmacy & Research Centre, VIJAYAPUR-586103 Chapter

Infection Prevention & Control and Environmental Services: WHO Guidelines

Dr. Santosh Karajgi, Mr. Chetan kumar

Introduction

During this unseen pandemic of Covid-19, it is obvious that one should take care about infection prevention as well as its control also keep our surrounding environment very clean and free of contagious probabilities. In this regard, World Health Organization (WHO) issued guidelines for prevention of infection, its control and care should be taken about environmental cleanliness.

According to WHO guidelines, Infection prevention and control (IPC) facilitates hand in hand with environmental services (EVS) to reduce the role of the health care surroundings in the transmission of diseases. A good association involving Environmental Services and Infection Prevention and Control is very crucial to ensure standards of cleaning are well met. As an Infection Prevention and Control point of view, one has the accountability of making sure that Infection Prevention and Control unit is incorporated in the routine working of Environmental Services staff.

Although a lot of amenities have committed cleaners, several depend on nursing staff to sanitize clinical locale. Some

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HEALTH, HYGIENE, SANITATION AND ENVIRONMENT AT PANDEMIC TIMES







STAY HOME BE SAFE







Dr SRI RAMA MURTHY PASUPULET Dr ARUNA KUMARI NAKKELLA

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Title of the Book Health, Hygiene, Sanitation and **Environment at Pandemic Times**

World Health Organization Guidelines and Standard Precautions for Waste Management

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In the current scenario, affected by Covid 19 pandemic proper precautions and maintenance of waste is as important as masks, sanitization, hand hygiene etc. The present discussion highlights the importance of waste management as per the guidelines of world health organization and standard precautions to be followed as per standard operating procedures In this topic types and sources of waste, minimization, handling, processing of waste materials as well as safe disposal of hazardous especially bio hazardous waste is briefly discussed.

Key Words: Waste management, types of waste, hazardous waste, waste disposal, bio hazardous waste

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Types and sources of waste

Health care waste can be classified into two major types: hazardous waste and non-hazardous waste. If waste is not isolated in a proper manner, hazardous waste may infect non-hazardous waste also. It makes further consequences like collection of waste, transportation, treating, and clearance of waste material complicated and perilous. In addition, treatment of non-hazardous waste despite the reality that it causes dangerous results in exhausted resources and attempts.

Type 1: Hazardous waste

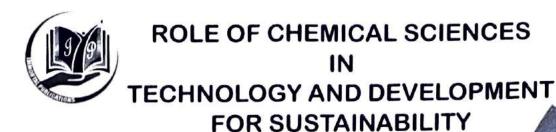
Hazardous waste may spoil health of the common public including surrounding atmosphere. The different categories of hazardous waste in a location differ depending on the dimension of the surroundings and the type of facility provided. Following are the instances of hazardous waste as given underneath.

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Technical Aspects of Spectrophotometric Methods in Analytical Chemistry

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Abstract:

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Analysis is an important and inseparable part of any science. It is a centralised branch dealing with the recognition of a sample, including it's properties and Spectroscopy is an important tool for concentration. analysis of components, especially mixed sample analysis. Derivative spectrophotometric methods are the very recent developments in UV Visible spectrophotometric methods available options in all modern UV Visible instruments. This article is an effort to highlight the importance and to brief the basics of derivative spectrophotometric methods.

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Introduction:

Analytical chemistry is a major branch of chemistry which deals with the different types of determinations like qualitative determinations and quantitative determination of various chemical entities including chemicals, pharmaceuticals, fertilizers, food products and so on. Analysis is defined as the process of resolution of an element of compound present in a sample including active ingredient or main ingredient inclusive of any impurity present.

The analytical determination depends on type of analysis, sample size, method of analysis etc. Type of analysis includes qualitative analysis to identify the type of compound present, its physical properties, chemical properties, color, odor, taste, radioactivity etc and quantitative analysis for the determination of quantity or concentration which is determined by various

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This is to certify that, **Dr. Santosh Karajg**i, BLDEA's SSM College of Pharmacy and Research Centre, Vijayapura, Karnataka, India has participated and presented a paper entitled "Apixaban linearity profile for hydrotropic solubilization" during UNESCO/UNITWIN Network Web Seminar held on August 6 & 7, 2020.

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