



Gokaraju Rangaraju
College of Pharmacy

**SPECIAL
EDITION**

**SEPTEMBER
2023**

GRCP INSIGHT



STELLAR'S
INSIGHTS

NETWORK
PHARMACOLOGY

NEUROPLASTICITY
**DYNAMIC NATURE
OF BRAIN**



"Empowering Minds,
Inspiring Futures"

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Editor's Note



EDITOR- IN-CHIEF

Dear Esteemed Readers,

It is with utmost pleasure that we present to you the latest edition of our GRCP INSIGHT publication.

Insight means gaining a deep knowledge or understanding for student about magazine.

We are confident that you will find the articles contained within this issue to be both informative and edifying. We are proud to present a collection of articles from our talented writers. In this issue, we explore a variety of topics, including student achievements, stories, games, art and photography.

Our writers have expended copious amounts of time and intellectual effort in crafting pieces that are both thought-provoking and intellectually stimulating. The topics covered in this issue are varied and wide-ranging, and we are confident that there is something for everyone within these pages. We have also sought to cover topics that are both timely and relevant, including the latest advancements in science and technology, the intricacies of global politics. Our writers have tackled these subjects with aplomb, providing our readers with insightful and thought-provoking commentary that is sure to stimulate the mind and challenge the intellect.

We also delve into the exciting world of technology, with articles on them .

From cutting-edge AI to the latest in virtual reality, we explore how technology is changing the way we live, work, and play.

We believe that our magazine is a platform for students to express their creativity and share their ideas with the world. We hope that our readers will be inspired by the stories and achievements of their peers.

In conclusion, we remain committed to providing our readers with the highest quality content and we hope you enjoy reading this issue as much as we enjoyed putting it together. As always, we welcome your feedback and suggestions for future issues. Thank you for your continued support of our magazine.

M.Surashmi,
B.Pharm-3 rd year

MAGAZINE *Designers*



PARTHU



SOWMIKA

CONTENT TEAM

Articles, Stories, Poems, Photography, Arts ,
Conferences,



CHANDRIKA



sreeja



MADHUKAR



SARIKA



SATHWIKA



AAKANKSHA



SAI KUMAR



SWETHA



shilpa



sandeep



KEERTHANA



SOWMYA

"INSPIRING GENERATIONS: CELEBRATING THE LIFE AND WORK OF MAHADEV LAL SCHROFF IN PHARMACY"



MAHADEVA LAL SCHROFF FATHER OF INDIAN PHARMACY

Prof. Mahadeva Lal Schroff is known as the Father of Pharmacy Education in India because he steered the field of pharmacy in the correct direction and inspired several generations of pharmacists. He wasn't a qualified pharmacist, but his contributions to the industry are many, and he fostered the field to provide opportunities for future pharmacists. Throughout his life and profession, he faced several barriers and major problems.

Prof. Mahadeva Lal Schroff was born in the Bihar city of Darbhanga on March 6, 1902. He finished his education at Bhagalpur (Bihar) and passed his intermediate test in 1920. Following that, he enrolled in the Engineering College at Banaras Hindu University (BHU) in Varanasi, India. Prof. Schroff was ordered to leave the institution in 1921 after speaking out against the then-principal, Charles A. King. Prof. Schroff left India after graduating from engineering school and spent time in China, Japan, and America. He earned his UG degree in arts with honors in chemistry in 1925 and his PG degree in chemistry and microbiology from the Massachusetts Institute of Technology (MIT) in 1927. Father of Pharmacy Foundations

The following are some of the things which are founded by Prof. Mahadeva Lal Schroff-

1. Indian Pharma Association (1935 as the U.P. Pharma Association and 1939 as the Indian Pharmacy Association).
2. Indian Journal of Pharmacists (1945).
3. Bhaishaj Patrika in Hindi (1980).
4. Bheshjayan (1968).
5. Indian Pharmaceutical Congress (1968).

ARTIFICIAL INTELLIGENCE IN DRUG DISCOVERY AND DEVELOPMENT

JUNE EDITION

Abstract:

The rapid advancement of artificial intelligence (AI) has provided an opportunity for the pharmaceutical industry to improve the efficiency and accuracy of drug discovery and development. In this review, we will discuss the various applications of AI in the drug discovery process, including the use of machine learning algorithms for target identification, virtual screening, and pharmacophore modelling, as well as the application of deep learning techniques for the analysis of large-scale biological data. The potential benefits of AI in drug discovery and development, such as increased speed and reduced costs, are also discussed.



Parthasarathi Tirupati
B.Pharmacy 3rd year

CAREER

Discover the fascinating concept of neuroplasticity, which showcases the brain's remarkable ability to change and adapt throughout life. Neuroplasticity refers to the brain's capacity to reorganize itself, form new connections, and adapt its structure and function based on experiences, thoughts, and behaviors. This revolutionary concept challenges the notion that the brain is fixed and rigid, highlighting its dynamic nature. Explore the science behind neuroplasticity, learn how learning and experiences can reshape the brain, and uncover strategies to optimize brain health and promote lifelong growth. Embrace the power of neuroplasticity and unlock the potential for personal transformation and cognitive enhancement.

- **Stay Curious:** Engage in new activities and explore unfamiliar subjects to stimulate your brain and create new neural connections.
- **Challenge Yourself:** Push beyond your comfort zone by tackling difficult tasks that require mental effort, such as learning a new language or playing a musical instrument.
- **Practice Mindfulness:** Cultivate awareness and focus through meditation or mindfulness exercises, which can enhance brain plasticity and improve cognitive function.
- **Embrace Lifelong Learning:** Never stop seeking knowledge and acquiring new skills. Engage in continuous learning to keep your brain active and adaptable.



- **Maintain a Healthy Lifestyle:** Exercise regularly, get sufficient sleep, eat a nutritious diet, and manage stress effectively. A healthy lifestyle supports optimal brain function and neuroplasticity.
- **Seek Novelty and Variety:** Break routine patterns by exposing yourself to new experiences, environments, and perspectives. This helps stimulate your brain and promote neuroplasticity.
- **Stay Socially Connected:** Engage in meaningful social interactions and maintain strong relationships. Social engagement has been linked to enhanced cognitive function and neuroplasticity.
- **Be Persistent and Patient:** Neuroplasticity takes time and effort. Practice regularly and be patient with your progress. Consistency is key in rewiring your brain.



THE RISE OF SYNTHETIC EMBRYOS

Abstract:

Synthetic embryos refer to the artificial creation of early-stage embryonic structures, typically using in vitro methods. Researchers aim to replicate the complex process of early embryonic development in order to better understand the underlying mechanisms and to develop new approaches for fertility treatments, regenerative medicine, and disease modelling. Synthetic embryos have been developed using various techniques, such as stem cell differentiation, 3D printing, and microfluidic systems. Despite the promising results, there are still significant scientific and ethical challenges that need to be addressed before the widespread application of synthetic embryos becomes a reality. This abstract provides an overview of the current state of the field and highlights the potential benefits and limitations of synthetic embryos.

Sowmika K.V
B.Pharmacy 3rd year



"Exploring the Spectrum: Diverse Career Paths in Pharmacy"

Breaking Boundaries: Expanding Career Horizons in the Pharmacy Field

Introduction

Pharmacy is a versatile profession that offers a multitude of career paths beyond the traditional roles. As the healthcare landscape continues to evolve, the demand for pharmacy professionals in various sectors has grown significantly. This article aims to highlight the diverse career opportunities available in the field of pharmacy, providing students with insights into the wide-ranging paths they can pursue upon graduation.

Community Pharmacy

Community pharmacists are at the forefront of patient care, providing medication counseling, dispensing prescriptions, and offering health advice. They play a crucial role in promoting medication adherence and ensuring optimal drug therapy outcomes. Community pharmacies also offer opportunities for ownership and entrepreneurship, allowing pharmacists to establish their own businesses.

Hospital Pharmacy

Hospital pharmacists work closely with healthcare teams to ensure safe and effective medication use in a hospital setting. They are involved in medication management, clinical consultations, drug information services, and medication safety initiatives. Hospital pharmacy offers opportunities to specialize in areas such as critical care, oncology, infectious diseases, and pediatrics.

Research and Academia:

Pharmacy graduates can pursue careers in research and academia, contributing to the advancement of pharmaceutical sciences and drug discovery. They can work in research institutions, universities or pharmaceutical companies, conducting studies, developing new therapies, and exploring innovative drug delivery systems. This path often involves collaboration with other scientists and healthcare professionals.



Pharmaceutical Industry:

The pharmaceutical industry provides diverse career opportunities for pharmacists, including roles in drug development, clinical research, regulatory affairs, medical affairs, pharmacovigilance, and sales and marketing. Pharmacists in the industry work on drug formulations, clinical trials, safety monitoring, and ensuring regulatory compliance

Clinical Trials

Pharmacists can contribute to the design, coordination, and monitoring of clinical trials in pharmaceutical companies or research organizations. They play a vital role in ensuring the safety and efficacy of new medications and therapies being tested. This career path offers opportunities to work

Healthcare Consulting

Pharmacists with a passion for healthcare management and policy can pursue careers in healthcare consulting. They provide expertise and advice to healthcare organizations on

medication management, quality improvement initiatives, strategic planning, and healthcare technology integration. Healthcare consultants help optimize patient care and promote efficiency in healthcare delivery.

Regulatory Affairs

Pharmacists can pursue careers in regulatory affairs, ensuring compliance with regulations and guidelines in the pharmaceutical industry. They work closely with regulatory authorities to submit drug applications, manage product labeling, and ensure quality control and safety standards are met. Regulatory affairs professionals play a vital role in bringing new drugs to the market and ensuring patient safety.

TIPS TO LIMIT SCREEN TIME FOR BETTER WELL-BEING



ENGAGE IN OUTDOOR ACTIVITIES

Encourage younger Gen Z to explore the outdoors, engage in sports, or participate in physical activities that promote movement and social interaction.

1

SET DAILY SCREEN TIME GOALS

Help them set realistic goals for daily screen time and track their usage using apps or device settings. Encourage them to gradually reduce their screen time and find alternative activities to occupy their time.

2

LISTEN TO MUSIC

If you listen to music regularly, you may have already noticed it makes it easier to keep your attention on your work.

3

KEEP YOUR SPACE TIDY

Don't let your desk be in a mess because it can make you have trouble concentrating at work.

4

CYBERCHONDRIA: CONSEQUENCE OF EXCESS ONLINE HEALTH INFORMATION SEARCH

Abstract:

Cyberchondria is a term used to describe a clinical phenomenon in which frequent internet searches for medical information led to excessive worries about one's physical well-being. Researchers discovered that study participants used web search engines incorrectly as a diagnostic tool, believing that the higher the search result ranking, the more likely it was that they had that particular disease over the other diseases. Websites may provide diagnoses without taking into account incidence, prevalence, or relevant risk factors, leading consumers to suspect rather unlikely diseases as the source of their ailments. Users who believe they have incurable and serious illnesses may experience significant distress and anxiety as a result of web-diagnosis. There are several tools for assessing cyberchondria, but the CSS (Cyberchondria Severity Scale) is by far the most widely used. One study discovered that perceptions of information overload and trust in online sources both exacerbated COVID-19-related cyberchondria symptoms, implying that avoiding information overload and maintaining a healthy scepticism about health information are effective ways to prevent or treat cyberchondria. The first step for prevention is to ensure that information is obtained from trustworthy, reputable, and easily accessible websites. It is critical to remember that while the internet is a powerful tool, it is not always trustworthy or accurate.

Madhukar Reddy . G
B.Pharmacy 3rd year



"YEARNING FOR HOME"

"The agony of every
mother:

Come home my baby child
Right in to my arms ,
where you belong
Where you're meant to
be

For crooked is the
world I see

This void this space is
hard not to trace

I'm not gonna be okay
till I see your face
and hold you in my
embrace

Come home my baby
childs"

-AKANKSHA

6TH SEM

"Stellar Insights: Chandrayaan 3's Next Lunar Chapter"

"EXPLORING CHANDRAYAAN 3: INDIA'S LUNAR PURSUIT UNVEILED"



Breaking Ground

After the resounding success of Chandrayaan 1 and the lessons learned from Chandrayaan 2, India's space agency is embracing innovation and resilience once again with the announcement of Chandrayaan

Learning from Setbacks

The Chandrayaan 2 mission, although encountering a setback during its lander's descent, did not dampen ISRO's spirits. Instead, it served as a catalyst for refining future lunar exploration endeavors.

A Lesson in Perseverance

Chandrayaan 3's announcement sends a powerful message to the world - setbacks are not defeats but opportunities for growth. It exemplifies ISRO's ethos of embracing challenges and emerging stronger.

Team Collaboration

The mission is a testament to ISRO's collaborative approach, involving scientists, engineers, and experts who are channeling their dedication and knowledge into building an even stronger spacecraft.

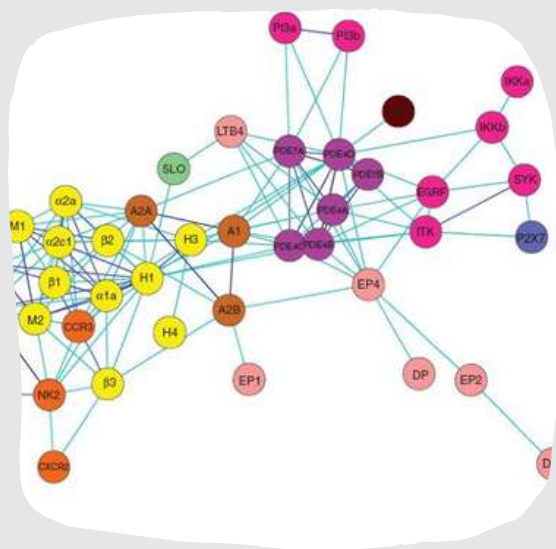
Inspiring the Next Generation:

Chandrayaan 3's unveiling serves as a beacon of inspiration for young minds, underscoring the importance of tenacity, learning from mistakes, and never giving up on ambitious dreams.

NETWORK PHARMACOLOGY: A NEW PARADIGM IN DRUG DISCOVERY & DEVELOPMENT.

Abstract:

Network pharmacology is a rapidly growing field that has the potential to revolutionize the way drugs are discovered, developed, and used. It provides a more comprehensive and integrated understanding of the complex relationships between drugs, targets, and biological pathways, and offers new insights into the mechanisms of drug action. This understanding can be used to identify new targets for existing drugs and to design more effective and safer drugs. One of the key features of network pharmacology is its ability to integrate multiple types of data, including genomic, transcriptomic, proteomic, and metabolic data, to construct comprehensive and dynamic drug-target networks.



They can also be used to understand how genetic and environmental factors affect drug response and to predict drug-drug interactions.

In addition network pharmacology has the potential to improve the efficiency of drug discovery and development by enabling the identification of new drug targets and the optimization of drug candidates.

Sandeep Manda
B.Pharmacy 3rd year

EMBRACING THE TECHNOLOGICAL FRONTIER: TOP TRENDS SHAPING THE FUTURE

As we step into the digital age, technology continues to transform the world around us at an unprecedented pace. From artificial intelligence to blockchain, emerging technologies are reshaping industries and revolutionizing the way we live and work. In this article, we explore the top technology trends that are set to shape the future, empowering individuals and organizations to adapt, innovate, and thrive in an increasingly interconnected world.

1. **Artificial Intelligence (AI) and Machine Learning:** AI and machine learning are driving transformative advancements in various sectors. From intelligent virtual assistants and autonomous vehicles to predictive analytics and personalized healthcare, AI is enabling automation, enhancing decision-making, and unlocking new possibilities for efficiency and innovation.
2. **Internet of Things (IoT):** The IoT is a network of interconnected devices and sensors that collect and exchange data. It enables seamless communication between physical objects and the digital world, revolutionizing industries such as healthcare, agriculture, manufacturing, and smart cities. With IoT, devices can be monitored, controlled, and optimized remotely, leading to increased efficiency, improved safety, and enhanced quality of life.
3. **Blockchain Technology:** Blockchain, a decentralized and transparent digital ledger, is revolutionizing the way transactions are recorded, verified, and secured. Beyond cryptocurrencies, blockchain technology offers applications in supply chain management, healthcare records, identity verification, and more. Its decentralized nature ensures data integrity, security, and trust, transforming industries and fostering collaboration.

4 Augmented Reality (AR) and Virtual Reality (VR): AR and VR technologies are reshaping the way we experience and interact with the world. AR overlays digital information onto the real world, enhancing our perception and providing new possibilities for education, training, and entertainment. VR, on the other hand, immerses users in virtual environments, enabling realistic simulations, virtual travel, and immersive storytelling.

5. 5G Connectivity: The arrival of 5G, the fifth-generation wireless technology, promises unparalleled speed, low latency, and massive connectivity. This technology is set to revolutionize communication, enabling advancements in autonomous vehicles, smart cities, telemedicine, and Internet of Things applications. With faster and more reliable connectivity, 5G will unlock new realms of innovation and interconnectedness.

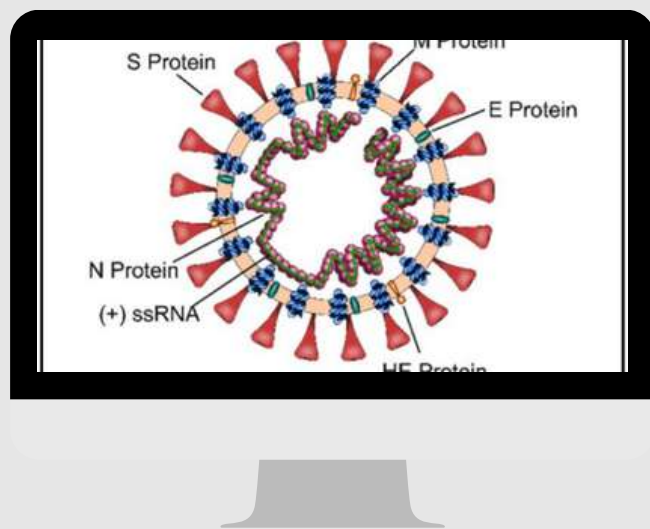
6. Cybersecurity: As technology evolves, so does the need for robust cybersecurity measures. With increasing digital threats, cybersecurity has become a critical aspect of technology advancements. From encryption and biometric authentication to threat intelligence and proactive defense mechanisms, cybersecurity measures are essential to protect data, privacy, and critical infrastructure.

7. Sustainable Technologies: As the world grapples with environmental challenges, technology is playing a crucial role in fostering sustainability. Renewable energy solutions, smart grids, energy-efficient buildings, and sustainable transportation are just a few examples of how technology is driving positive change, helping reduce our carbon footprint and create a more sustainable future.

EXPLORING THE THERAPEUTIC ROLE OF NANOMEDICINE IN COVID-19 DISEASE

Abstract:

COVID-19 or the Coronavirus disease 2019, caused by the severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) has become a great pandemic. At the time of writing this (29th March 2021), more than 127 M people had affected and 2.78 M had died across the world. Due to the lack of specific treatment against COVID-19, antiviral agents and effective medicines are critically needed to prevent the COVID-19 pandemic. Revised drugs such as remdesivir have revealed a favourable clinical efficacy against COVID-19. This review provides an overview of the origin of coronavirus, the role of nanomedicine in coronavirus, nanomedicine vaccines, diagnosis, and therapy against coronavirus. .



This information may cause any effect in the disease outbreak. Taking all this under consideration, an effort has been made to teach readers the easiest method of the role of nanomedicine, which may play a pivotal role in the management of diseases

Sowmya. D
M .Pharmacy

UNDER THE SCOPE

Sci Buzz >

UNVEILING THE MYSTERIES OF SPACE AND BLACK HOLES

The vastness of the Universe is mind-boggling. Galaxies, stars, and planets are scattered across unimaginable distances, measured in light-years. Within this vast expanse, stars are born, live out their lives, and eventually meet their demise. Exploring the life cycle of stars reveals their remarkable journey from fiery birth to stellar explosions.

However, the most intriguing objects in space are black holes. These cosmic entities possess such immense gravity that nothing, not even light, can escape their grasp. Their formation occurs when a massive star collapses under its gravity, creating a gravitational singularity.

Black holes challenge our understanding of the laws of physics and offer glimpses into the nature of space-time. Scientists study their properties, such as event horizons and Hawking radiation, to unravel their mysteries.

Understanding black holes and their impact on the Universe is crucial for unraveling the secrets of the cosmos. Join us on this captivating exploration of space and black holes, where the boundaries of our knowledge expand and new questions arise.



MEDICINE BREAKTHROUGHS

Recent developments in chemotherapy have revolutionized cancer treatment. Targeted therapies and immunotherapies have emerged as promising approaches, providing more precise and effective treatments with fewer side effects. Advances in personalized medicine have enabled tailoring treatment regimens based on individual genetic profiles. These breakthroughs offer hope in the fight against cancer and improving patient outcomes.



Detail >

UNLEASHING THE POWER OF ARTIFICIAL INTELLIGENCE

Artificial Intelligence (AI) is a transformative technology that is revolutionizing various aspects of our lives. It refers to the development of intelligent machines that can perform tasks that typically require human intelligence. AI encompasses a range of techniques such as machine learning, natural language processing, computer vision, and robotics. The impact of AI is far-reaching. In healthcare, AI algorithms are helping to diagnose diseases, analyze medical images, and develop personalized treatment plans. In finance, AI is used for fraud detection, algorithmic trading, and customer service chatbots. In transportation, AI powers autonomous vehicles, optimizing routes and enhancing safety.

AI is also transforming industries like retail, manufacturing, and customer service, improving efficiency and enhancing the customer experience. Additionally, AI-driven virtual assistants, such as voice-activated smart speakers, have become increasingly popular in homes.

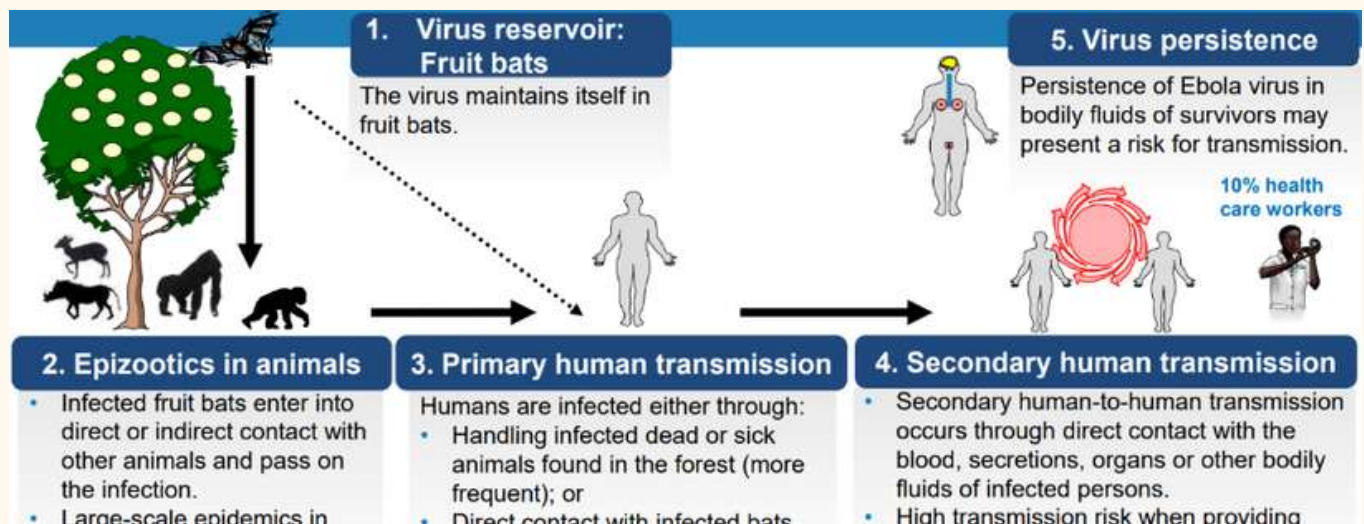
However, AI also presents challenges and raises ethical considerations. Privacy concerns, job displacement, and bias in algorithms are among the issues that need to be addressed.

FORMULATION AND EVALUATION OF LIQUISOLID COMPACTS OF ETODOLAC

Abstract:

In the present study, liquisolid compact technique is analyzed as a tool for enhanced dissolution of poorly watersoluble drug Etodolac. Etodolac is a pyranocarboxylic acid and NSAID with anti-pyretic and anti-analgesic activities. Etodolac liquisolid compact formulations (6) were prepared by using Polyethylene glycol 400, Propylene glycol as solvents, microcrystalline cellulose, and hydroxypropyl methyl cellulose as carrier materials and aerosol as a coating material in different ratios. The prepared liquisolid compacts were evaluated for their pre-compression properties and out of 6 formulations F5 formulation was taken as optimized formulation based on fast dissolving property. The optimized formulation was punched into tablets by adding the excipients and the tablets were assigned for post- compression properties, drug-excipient interactions by Fourier Transform Infrared spectra (FTIR), X-Ray Diffraction (XRD). Liquisolid compacts containing Propylene Glycol (PG) as solvent produced higher dissolution rates in comparison with Polyethylene Glycol (PEG) of the same concentration. As liquisolid compacts illustrated significantly higher drug release rates, we conclude that it could be a promising favorable strategy in improving the dissolution of poorly water-soluble drugs.

EBOLA DISEASE (EBOD)



THE VIRUS IS INITIALLY TRANSMITTED TO PEOPLE FROM WILD ANIMALS AND THEN SPREADS IN THE HUMAN POPULATION THROUGH HUMAN-TO-HUMAN TRANSMISSION.

- EBOLA DISEASE CAN BE A SEVERE, OFTEN FATAL ILLNESS IN HUMANS. – ON AVERAGE, 1 IN 2 PEOPLE INFECTED WITH EBOLA DIES (50% CASE FATALITY RATE). – CASE FATALITY RATES HAVE VARIED FROM 25%-90%. – EARLY SUPPORTIVE CARE WITH REHYDRATION, SYMPTOMATIC TREATMENT IMPROVES SURVIVAL. GEOGRAPHIC DISTRIBUTION OF EBOLA

- EBOLA DISEASE WAS FIRST IDENTIFIED IN 2 SIMULTANEOUS OUTBREAKS IN 1976, ONE IN SOUTH SUDAN AND ONE IN THE DEMOCRATIC REPUBLIC OF THE CONGO (DRC).

- THE 2014–2016 EBOLA OUTBREAK IN WEST AFRICA WAS THE LARGEST AND MOST COMPLEX.

- 6 SPECIES OF EBOLA VIRUS HAVE BEEN IDENTIFIED.

- AMONG THEM, BUNDBUGYO EBOLAVIRUS, ZAÏRE EBOLAVIRUS AND SUDAN EBOLAVIRUS HAVE BEEN ASSOCIATED WITH LARGE OUTBREAKS OF EBOLA DISEASE (EBOD) IN AFRICA.

>>> SYMPTOMS

- INITIAL SYMPTOMS ARE SUDDEN ONSET OF FEVER AND FATIGUE, MUSCLE PAIN, HEADACHE AND SORE THROAT. – CAN LOOK LIKE OTHER FEBRILE ILLNESSES, E.G. MALARIA.

- USUALLY FOLLOWED BY: VOMITING, DIARRHOEA, RASH, IMPAIRED KIDNEY AND LIVER FUNCTION, SPONTANEOUS BLEEDING INTERNALLY AND EXTERNALLY (IN SOME CASES).

HOW IS EBOD TRANSMITTED?

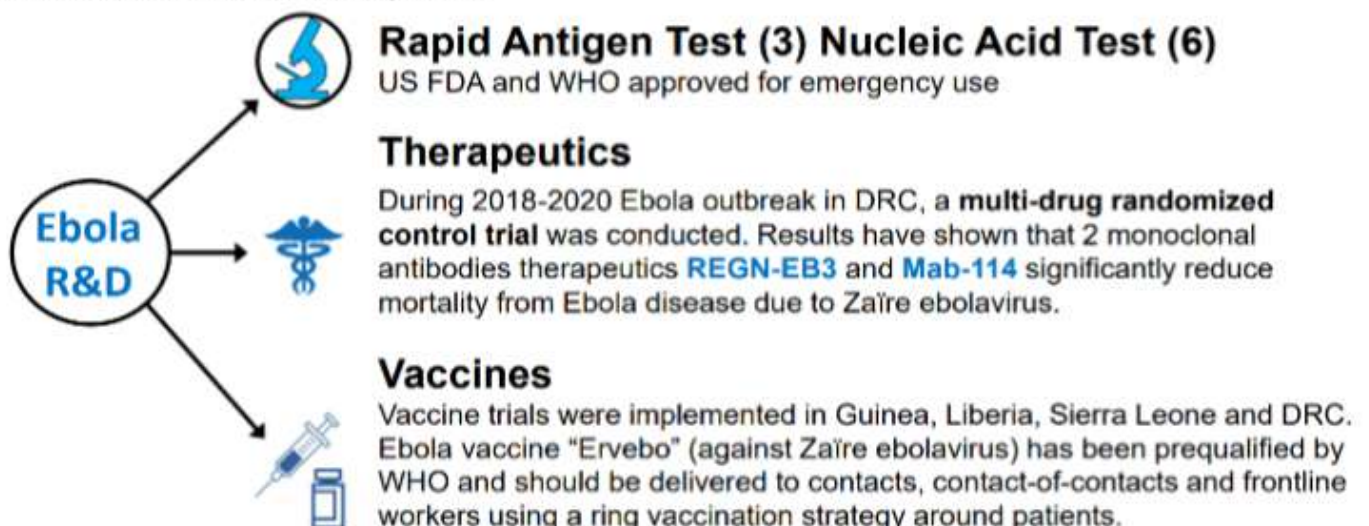
THE VIRUS SPREADS FROM PERSON TO PERSON THROUGH: – DIRECT CONTACT (THROUGH BROKEN SKIN OR MUCOUS MEMBRANES) WITH THE BLOOD, SECRETIONS, ORGANS OR OTHER BODILY FLUIDS OF INFECTED PEOPLE. AMONG INFECTED BODILY FLUIDS, THE MOST INFECTIOUS ARE BLOOD, FAECES AND VOMIT. – CONTACT WITH SURFACES AND MATERIALS (E.G. BEDDING, CLOTHING) CONTAMINATED WITH THESE FLUIDS.

- TRANSMISSION CAN OCCUR THROUGH NEEDLESTICK INJURIES WHEN MANAGING A SICK PATIENT OR A CLINICAL SPECIMEN.
- THE RISK OF INFECTION WITH EBOLA VIRUS IS MINIMAL IF YOU HAVE NOT BEEN IN CLOSE CONTACT WITH. THE BODILY FLUIDS OF SOMEONE SICK WITH OR DECEASED FROM EBOD. PEOPLE ARE NOT INFECTIOUS UNTIL THEY DEVELOP SYMPTOMS.
- THE VIRUS MULTIPLIES WITHIN THE BODY BEFORE SYMPTOMS DEVELOP. • INDIVIDUALS BECOME CONTAGIOUS WHEN SYMPTOMS APPEAR.

EBOLA DISEASE TREATMENT

- MONITOR FLUID AND ELECTROLYTE BALANCE AND RENAL FUNCTION, BLOOD PRESSURE, OXYGENATION, CAREFUL REHYDRATION.
- SUPPORTIVE DRUG THERAPY INCLUDING: PAINKILLERS, ANTIEMETIC FOR VOMITING, ANXIOLYTIC FOR AGITATION, +/-ANTIBIOTICS AND/OR ANTIMALARIAL DRUGS.
- A RANGE OF POTENTIAL TREATMENT INCLUDING BLOOD PRODUCTS, IMMUNE THERAPIES AND DRUG THERAPIES HAS BEEN EVALUATED. A MULTI-DRUG RANDOMIZED CONTROL TRIAL WAS CONDUCTED IN DRC AND RESULTS HAVE SHOWN THAT 2 MONOCLONAL ANTIBODIES THERAPEUTICS REGN-EB3 AND MAB-114 SIGNIFICANTLY REDUCE MORTALITY FROM EBOLA DISEASE DUE TO ZAÏRE EBOLAVIRUS.

Ebola research and development



NON-ALCOHOLIC FATTY LIVER DISEASES

Abstract:

NAFLD is a major cause of morbidity and mortality worldwide, owing to cardiovascular, hepatic, and oncologic complications, as well as the fact that it is rapidly becoming the leading cause of end-stage liver disease and liver transplantation. It has epidemic proportions in the United States, with a prevalence of 30%. While the metabolic syndrome is a common risk factor, there are differences between racial and ethnic groups, indicating a complex interaction of hormonal, nutritional, and genetic factors at work in disease pathogenesis. NAFLD symptoms range from mild steatosis to steatohepatitis, which can progress to fibrosis and cirrhosis. The pathogenesis is investigated, including the roles of hormones, nutritional and intestinal dysbiosis, insulin resistance, lipotoxicity, hepatic inflammation, and genes.

Shivani

B.Pharmacy 3rd year

NOVEL AND INVESTIGATIONAL THERAPIES FOR HIV

When the first cases of HIV infection appeared in the 1980s, AIDS was a deadly disease without any therapeutic alternatives. Currently, there is still no cure for most cases mainly due to the multiple tissues that act as a reservoir for this virus besides the high viral mutagenesis that leads to an antiretroviral drug resistance. Throughout the years, multiple drugs with specific mechanisms of action on distinct targets have been approved. Although the combined antiretroviral therapy is effective in reducing viral loading to undetectable levels, it also presents some disadvantages, such as usual side effects, high frequency of administration, and the possibility of drug resistance.



Therefore, several new drugs, delivery systems, and vaccines have been tested in pre-clinical and clinical trials. Regarding drug delivery, an attempt to change the route of administration of some conventional antiretrovirals has proven to be successful and surpassed some issues related to patient compliance. Nanotechnology has brought a new approach to overcoming certain obstacles of formulation design including drug solubility and biodistribution and pharmacokinetic profile. Long-acting antiretroviral therapy suppresses HIV among people with unstable housing, mental illnesses, substance use. A long-acting antiretroviral treatment (LA-ART) given every four to eight weeks and delivered with comprehensive support services, suppressed HIV in people who were previously not virologically suppressed.

Surashmi

B .Pharmacy 3rd Year

CELEBRATING STUDENT EXCELLENCE: INSPIRING ACHIEVEMENTS



K.V.SOWMIKA AND T.PARTHSARATHI GRABBED 1 ST PRIZE IN THE VIDEO MAKING COMPETITION CONDUCTED BY G.PULLAREDDY COLLEGE OF PHARMACY WITH THE THEME OF "GLOBAL SCIENCE FOR GLOBAL WELLBEING" RELATED TO PHARMACEUTICAL SCIENCES ON THE OCCASION OF NATIONAL SCIENCE DAY CELEBRATIONS.



M. SURASHMI A GLOBAL PRIZE-WINNING ESSAYIST & ACCOMPLISHED STUDENT SECURED 7TH RANK IN HEARTFULNESS ESSAY EVENT, TELUGU CATEGORY, AMONG 33 COUNTRIES-1ST POSITION IN ORAL PRESENTATION AT VALOROUS FEST-2023, MARRI LAXMAN INSTITUTE OF PHARMACY. REDEFINING THE PHARMACEUTICAL SECTOR IN THE ERA OF ADVANCED DIGITAL CARE HEALTH SYSTEM.



D.GOWTHAMI AND K.MONALISA HAS GOT 3 RD PRIZE IN EXHIBIT/MODEL PRESENTATION AT DRAVYAKA-2023 OF GEETANJALI COLLEGE OF PHARMACY WITH THE THEME OF "AN INTEGRATED APPROACH TO RESEARCH IN PHARMACEUTICAL SCIENCES IN THE CURRENT ERA" ORGANISED BY TEJA EDUCATIONAL SOCIETY



J.POOJITHA GOUD, HAS WON 1 ST PRIZE IN ORAL PRESENTATION AT DRAVYAKA-2023 OF GEETANJALI COLLEGE OF PHARMACY WITH THE THEME OF "AN INTEGRATED APPROACH TO RESEARCH IN PHARMACEUTICAL SCIENCES IN THE CURRENT ERA" ORGANISED BY TEJA EDUCATIONAL SOCIETY



O.KAVYA AND K.LAKSHMI SRAVANI SECURED 2 ND PRIZE IN ORAL PRESENTATION AT DRAVYAKA- 2023 OF GEETANJALI COLLEGE OF PHARMACY WITH THE THEME OF "AN INTEGRATED APPROACH TO RESEARCH IN PHARMACEUTICAL SCIENCES IN THE CURRENT ERA" ORGANISED BY TEJA EDUCATIONAL SOCIETY



K.LAKSHMI SRAVANI ,A MASTERPIECE HAS WON 1ST PRIZE IN ORAL PRESENTATION IN INTERNATIONAL CONFERENCE AT MALLA REDDY INSTITUTE OF PHARMACEUTICAL SCIENCES,SHE ALSO GOT 2ND PRIZE IN ORAL PRESENTATION AT VISHNU INSTITUTE OF PHARMACEUTICAL SCIENCES.



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"PHARMACY TRIVIA AND DISCOVERIES"



Did You Know?

Aspirin, one of the most common over-the-counter medications, was first developed from a compound found in the bark of willow trees.



Did You Know?

The world's oldest known prescription is an ancient Egyptian papyrus dating back to around 1550 BC. It contains remedies for various ailments, including herbal treatments.



Did You Know?

The Red "Rx" symbol that appears on prescriptions has its roots in medieval alchemy. It is believed to be an abbreviation of the Latin word "recipere," which means "to take." Alchemists used this symbol to indicate a recipe or mixture.



Did You Know?

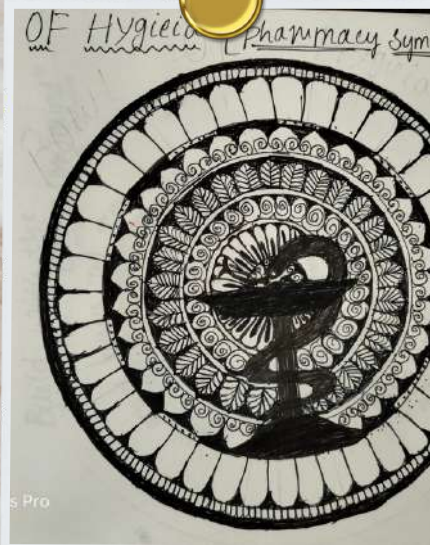
The "placebo effect" can influence medication effectiveness. People sometimes experience positive effects from a placebo (an inert substance) simply because they believe it's a real medication. This phenomenon underscores the powerful role of psychology in the perception of drugs.



POTRAITURE



chandrika



sreeja



chandrika



vignesh



shilpa

**B. PHARMACY
3RD YEAR**

EXPLORING THE WORLD OF ARTS AND PHOTOGRAPHY



SAI KUMAR



PARTHU



SARIKA



SOWMIKA



MADHUKAR



AAKANKSHA



SREEJA



CHANDRIKA



SURASHMI



SANDEEP



SARIKA



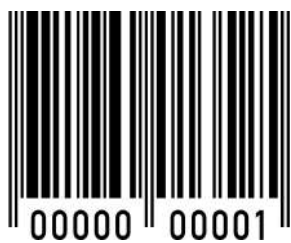
SATHWIKHA



LITTLE STORY

HUMANS , HOMO SAPIENS OR JUST PEOPLE. WHATEVER YOU LIKE TO CALL THEM THEY ARE JUST INEVITABLY PRESENT IN EVERYONE'S LIFE. THERE ARE PEOPLE CLOSE TO YOUR HEART , THE PEOPLE YOU LOOK OUT FOR , THE PEOPLE YOU HATE , THE PEOPLE YOU IGNORE AND PEOPLE WHO JUST CO-EXIST IN THIS WORLD. AT THE SAME TIME YOU ARE SUCH A PERSON IN EVERYONE'S LIFE. JUST LIKE SOMEONE SAID , "MANUSHULU ANTENE MANCHOLLU" BASICALLY PEOPLE ARE NICE. THERE ARE NO GOOD PEOPLE AND BAD PEOPLE. INFACIT THERE IS NO GOOD AND BAD IT'S ALL JUST PERSPECTIVE. SOMETHING THAT FEELS GOOD TO ME MIGHT FEEL BAD TO YOU , SOMETHING THAT FEELS GOOD AT A MOMENT MIGHT FEEL BAD AFTER A WHILE. WE'VE ALL BEEN THERE RIGHT? FEELING AT THE TOP OF THE WORLD AFTER WINNING AN ARGUMENT THEN FEELING BAD ABOUT HAVING ONE .I FEEL GREAT WHILE PETTING DOGS BUT FOR SOMEONE WHO DOESN'T LIKE DOGS IT MAY LOOK WEIRD. HOWEVER A PERSON IS THERE IS SOMETHING YOU CAN LEARN FROM EVERYONE. LIFE IS PLAIN WITHOUT THE EXPERIENCES AND PEOPLE YOU COME ACROSS. THERE'LL BE TIMES YOU LAUGHED YOUR HEARTS OUT , TIMES YOU CRIED ON A PILLOW , FOUGHT FOR A REMOTE, BROKE YOUR TRUST , TIMES WHEN YOU WANTED TO TAKE A PAUSE AND TIMES WHEN YOU CONNECTED WITH A STRANGER AND MANY MORE... EVERY MOMENT MIGHT BECOME A MEMORY AND EVERY MEMORY IS WORTH REMINISCING . MEMORIES YOU MADE WITH YOUR COUSINS BEFORE YOU ALL PARTED WAYS TO PURSUE LIFE ,NOW YOU HARDLY TALK . THAT SPECIAL COUSIN WHOSE YOUR BEST FRIEND, FOR WHOM YOU LOOK FOR AT EVERY OCCASION. THE MEMORIES OF THAT NAUGHTY NOISE AND CHEER MAKES YOU NOSTALGIC . THERE'S THIS OLD LADY I MEET EVERYDAY NOT EVEN KNOWING HER NAME , WE EXCHANGE PLEASANTRIES AND SOMETIMES SHE HANDS ME CANDIES . SHE DOESN'T KNOW MY NAME BUT TREATS ME LIKE FAMILY.SHE HOLDS A SPECIAL PLACE IN MY HEART . I REMEMBER JUST TALKING AN UNCLE ALONG WITH MY FRIEND FOR HOURS WHO TURNED OUT TO BE A JOURNALIST , HE SHARED MANY THINGS AND THAT'S A MEMORY I'LL ALWAYS CHERISH. WHILE ON A METRO I SAW THIS MIDDLE AGED WOMAN WHO HAD BEAUTIFUL EYES AND I REMEMBER SNEAKING A PICTURE OF HER , I DON'T KNOW IF I'LL EVER SEE HER AGAIN BUT I'LL ALWAYS REMEMBER HER EYES . THAT TENSION YOU HAD ON YOUR FIRST DAY AT COLLEGE, THE CHILL THAT WENT DOWN YOUR SPINE WHEN YOU INTERACTED WITH YOUR SENIORS , THAT HIGH WHEN YOU GOT PROMOTED TO SECOND YEAR AND BECAME SENIORS , THE FIGHT YOU HAD BEHIND THE TEA STALL , THAT SAD FEELING WHEN YOU REALIZED YOU'RE LEAVING COLLEGE IN A MONTH OR SO IT'S ALL WORTH !!! EVERY MOMENT IS WORTH BECAUSE THAT TIME NEVER COMES BACK .A MOMENT PASSED CANNOT BE RESTORED ,IT CAN ONLY BE REMEMBERED. YOUR FAMILY , YOUR FRIENDS , THE NEIGHBOR AT YOUR CHILDHOOD HOME , THAT ONLINE FRIEND, THAT FAVORITE TEACHER FROM CLASS 5 , YOUR FIRST DAY USING A PEN IN SCHOOL , THAT SECRET CRUSH, THE SUBJECT YOU HATED, THAT SHOPKEEPER WHO GAVE YOU AN EXTRA SAMOOSA , THAT STRICT WARDEN , THE MISCHIEF IN YOUR INTERMEDIATE HOSTEL , YOUR FAVORITE PASTRY FROM A BAKERY AT YOUR GRANDPARENTS PLACE, THAT DRESS YOU DON'T FEEL LIKE THROWING AWAY EVEN AFTER YEARS , THAT TOY YOU USED TO PLAY WITH , THE PEACEFUL SPOT AT THE LAKE IN YOUR VILLAGE AND MANY SUCH THINGS HOLD A PART OF YOU IN THEM AND MAKE YOU WHO YOU ARE TODAY. EVERYONE IS GOING THROUGH SOMETHING IN THEIR LIFE YOU DON'T KNOW ABOUT. SO MAYBE TRY BEING NICE TO EVERYONE , SMILE AT A STRANGER , WAVE TO A KID , GREET YOUR TEACHER , HAVE A TALK WITH YOUR NEIGHBOR , HAND A GLASS OF WATER TO THE DELIVERY GUY , TEXT THAT FRIEND YOU PROMISED YOU'D BE IN TOUCH WITH, BE POLITE TO YOUR WAITER , CALL YOUR GRANDPARENTS , HUG YOUR MOM AND DAD. YOU MIGHT HAVE JUST MADE THEIR DAY BY DOING THESE LITTLE THINGS . YOU NEVER KNOW WHAT IMPACT YOU HAVE ON ONE'S LIFE. SO WHEN SOMEONE THINKS OF YOU LET THAT BRING A SMILE ON THEIR FACE. BECAUSE ; LET ME TELL YOU MY FRIEND LIFE IS VERY UNPREDICTABLE AND UNEXPECTED. THANK GOD FOR EVERY MORNING YOU WAKE UP TO , APPRECIATE THE LITTLE THINGS IN LIFE AND AT THE END OF THE DAY WHILE YOU LAY IN YOUR BED JUST BEFORE FALLING ASLEEP HOPE YOU MADE SOMEONE SMILE . AND ONE DAY WHEN YOU'RE OLD AND SIT BACK THINKING ABOUT LIFE THESE ARE THE PEOPLE AND THE MEMORIES YOU HAVE WITH THEM THAT MATTER THE MOST TO YOU . AFTER ALL LIFE IS A MIX-UP OF PEOPLE , MEMORIES AND EXPERIENCES. HOPE THIS MADE YOU SMILE! :)





STUDENT
EDITION



Gokaraju Rangaraju
College of Pharmacy

SEPTEMBER 2023

GRCP INSIGHT



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