

# JIT NEWSLETTER **EXPLORE**

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## UPCOMING EVENTS

5<sup>th</sup> Sep

Teachers' Day

8<sup>th</sup> Sep

World Literacy Day

21<sup>st</sup> Sep

International Day of Peace

26<sup>th</sup> Sep

World Environmental Health Day

## OUR MISSION

To provide quality and affordable education to the less privileged sections of Indian society by leveraging all tools of modern education and to bring up such element sections to be able to find a place of dignity and distinction both within and outside the country.



**DR. SYED KAZIM MEHDI**  
CHIEF EDITOR

### Unity in Diversity

Dear students/readers,

India is a country with a very old civilization. From ancient times, the learned men of this wonderful country lived in proximity with nature, and pondered over the realities of human life. They observed that a progressive society could come into existence only through a peaceful co-existence of its members. This is the reason that they came up with the idea of Vasudhaiva Kutumbakam, which means, "The world is One Family." It is a fact that a nation can progress only if there is peace, and its citizens live in harmony. It may be amazing to the western countries that such an idea exists in India, since time immemorial. The feeling of brotherhood and tolerance, enable a nation to stand with dignity and pride. History tells us that many countries could not survive with respect and honor, as they could not include these great values into their constitution. A peaceful society can exist only if its members respect each other's beliefs, values and culture. India is a land of many beliefs, traditions and culture, and it is the success of Indian civilization, that people of so many different backgrounds, live in peace and harmony. The idea of India unites all Indians, and despite many differences, we stand together as one people.

The youths of a country are its future, and you have a big responsibility on your shoulders as students. You have to keep up these values, which let our country survive with respect and dignity. It is well to remember that each one of us should try to spread a feeling of love and brotherhood among fellow citizens. Our survival as a civilization depends simply on a peaceful society, where each person has empathy, which is to respect feelings of others, and a little tolerance. India has earned respect of the countries of the world only because of its great values, through which, many people still recognize us.

I conclude with these beautiful lines written by English poet Alfred Tennyson, and they have a message:

Tho' much is taken, much abides; and tho'  
We are not now that strength which in old days  
Moved earth and heaven, that which we are, we are;  
One equal temper of heroic hearts,  
Made weak by time and fate, but strong in will  
*To strive, to seek, to find, and not to yield.*

Best of luck for the New Semester!

# FROM THE DEPARTMENTS

 MR. AHMAD NAYEEM  
ASSISTANT PROFESSOR, FOP

## Pharmacovigilance : An Overview

The aim of pharmacovigilance is to protect public health by identifying, evaluating and minimizing safety issues to ensure that the overall benefits of medicines outweigh the risks. However, the recent withdrawal from the market of certain medicines has focused attention on pharmacovigilance approaches; raised concerns about improving the existing pharmacovigilance framework; and highlighted the need to ensure consistency among international regulations governing the reporting of side effects ("Adverse Drug Reactions" - ADRs). In drug regulation problems related to the safety and quality of drugs exists in many places. Effective drug regulation is required to ensure the safety, efficacy and quality of drugs, as well as the accuracy and appropriateness of the drug information available to the public. Regulation of drugs encompasses a variety of functions like licensing, inspection of manufacturing facilities and distribution channels, product assessment and registration, adverse drug reaction (ADR) monitoring, QC, control of drug promotion and advertising, and control of clinical drug trials.

Pharmacovigilance plays an important role in ensuring the safety of medications through the detection, assessment, and understanding of the adverse impact of pharmaceutical products.

The most influential pharmacovigilance activity is the spontaneous reporting by healthcare practitioners (such as physicians, pharmacists, and nurses) of suspected ADRs that had not been identified during premarketing clinical trials.

 SYED MEHDI HASAN ZAIDI  
HOD, FOP

## India's Position In The Global Active Pharmaceutical Ingredients (Api) Market

Active Pharmaceutical Ingredients (APIs) are the founding block of strategic architecture in the pharmaceutical value chain. More importantly, APIs provide therapeutic effect of a medicine and, are, therefore, the central innovation and, more often, the critical intellectual property that drives the industry.

The Indian pharmaceutical industry ranks among the top five in terms of production volume, accounting for approximately 8.5% of global output. Turnover has increased from approximately US\$ 0.3 billion in 1980 to approximately US\$ 18 billion last year, with an estimated global market value of US\$ 53 billion.

Low labour costs and innovation are two major factors driving this growth. India is the Asia-Pacific region's third largest active pharmaceutical ingredient (API) market, and China as its main supplier.

Dependence on China for APIs has been a big concern for the Indian pharma industry. From 0.5 per cent in 1987, the percentage of API imports from China shot up to around 78 per cent in 2020. India imports approximately 55 per cent of its API needs, and almost all imports are from China. Scale, subsidies, cheaper capital with cost of four-to-five per cent versus 12-15 per cent in India, lower logistics cost (0.9 per cent versus four per cent in India), cheaper power, all work to China's advantage.

Several Indian companies have moved their requirement of APIs, KSMs (key starting materials) and intermediates to Indian manufacturers who have ramped up their capacity rapidly to cater to this uptick in demand. Nevertheless, the dependence on China for basic chemicals continues.

Post-COVID, the Indian pharma industry is at an inflection point. It is envisaged, that the contribution of pharma to the GDP will grow to 4.5 - 5 per cent from 1.8 per cent, at present. Pharma is one unique sector where the consumer is not the decision maker and the decision maker is not the payer. It is unique in another sense, that there is no product obsolescence. Aspirin, paracetamol and metformin still continue to be gold standards of front line therapy. Hence, scale, quality, compliance and process excellence shall drive growth.

China and India are driving the market growth through their cost advantages and have emerged as manufacturing hubs for the APIs. With government support, improving IP systems and manufacturing standards in China & India, APIs market in Asia-Pacific is expected to grow steadily in the coming years. In the near future India may beat China in global active pharmaceutical ingredients market.

 SHOAIB AHMAD  
ASSISTANT PROFESSOR, FOP

## Importance of Pharmacy Practice in Daily Life

A Pharmacist is also known as a chemist or a druggist as health care professionals who practice in pharmacy and deal with the field of medicine. They provide proper medication and are also involved in the field of preparation, standardization, formulation, quality checking, inspection, compounding, and dispensing of the different types of drug of several dosage forms in such a way the medication preferable for a simplified route of administration in the treatment of local as well as chronic diseases. Pharmacists are healthcare professionals who worked in a wide variety of health care systems such as in the pharmaceutical industry for innovation (R&D), formulation, manufacturing, processing, quality checking, and maintaining proper safety and toxicity parameters. Pharmacists are involved in patient education and worked in collaboration with physicians and other health care professionals for the prevention of disease and the treatment of patients. The importance of the pharmacy is in different fields and fundamental characteristics of involvement in day-to-day life. It plays a role to assure patient benefits from rational evidence-based medication and improvement of patient care. There is a need for a system of assuring the integrity of the medicine supply chain to assure the value of medicines used very important role during the Covid19 pandemic.

# STUDENT'S CORNER

 MOHD ANAS  
B.PHARM II

## IS A COLLEGE DEGREE MORE ESSENTIAL THAN SKILL?

Degree and skills, you can't have one without the other. People who want to be successful in life must have both. A college degree and the relevant skill set. Both the degree and the talent are worthless without the other. A degree is nothing more than an official certification of an individual's abilities. It's possible that even those with the talent one won't be able to get the degree. In the same way not everyone with a degree has the necessary expertise. Depending on the company, the position's responsibilities, and other factors, the required degree or expertise may vary.



### DEGREE

A degree provides proof that the individual applying for the position is knowledgeable about the job's requirements and has the capacity to manage the operation and justify the position. Having a college degree instils self-assurance in one's attitude and viewpoint. The formation of a person's personality is a vital aspect of this process.

Having a college degree may improve one's demeanour, humility, and common sense. As a means of taking control of one's work situation or of advancing in one's career, but without a degree, it's tough to deal with these issues.

Having a college degree elevates one's social standing. The degree a person has is used as a measure of his or her qualifications.

The master of a degree benefits financially and socially. The greater the position and prestige, as well as the remuneration package, go hand in hand with the degree of specialization.

### SKILL

Everyone with a college degree isn't always competent. Instead of a degree, a skill is what aids in achieving a goal. To assess a person's level of skill, it is necessary to go beyond the written word. It encompasses a wide range of experiences and is developed by the recurring practical consequences of life. Successful people don't have a college degree; they have a skill set. A degree can only get you a job, but it won't help you advance if you don't have the ability to do the work. Employers, customers, and managers are drawn to a person based on their ability to demonstrate talent. The person's superiors would not be interested in them if they didn't have the expertise. It should be important to note that, none of the great persons in history had any certificates to back up their abilities

 MOHD ANAS  
DEE II

## 10 LINES ON TECHNOLOGY

- The knowledge with science implemented for practical use is technology.
- Technology has completely changed the world and our daily life to significant extent.
- Things, which were not possible a few years ago, have become common now.
- The invention of Wheel, Spears and one tools were the most significant development in the Stone Age era.
- From a Simple Watch to Super Computers, the technology has daily life, surrounded us in our.
- Video Conference the preferred way of communication, is a gift by the technology.
- With the help of technology, we have reached Moon and are planning to set up a human colony on Mars.
- Technology is not always a boon, but it has also proved dangerous many times.
- The development of Nuclear Bomb is can both positively and negatively affect the human being.
- We should always remember that technology is a good servant but a bad master.



 PUNEET  
B.PHARM II



# STUDENT'S CORNER

 SHAZIYA BANO  
B.COM III

## E-COMMERCE

E-Commerce shows steady post - pandemic growth "e-commerce" are still growing with 112 % growth in last decade. The pandemic completely changed the way people shop E commerce was already on the rise before COVID hit. But in March 2020 it took off at an astronomical rate. In 2021 Experts predicted that 19.5% of global retail sales would come from online purchase. By 2024, they estimate that online shopping will be responsible for nearly 22% of all retail purchase in the world. Data shows that the number of e-commerce users grew substantially during 2020 too. The increase was 9.5% year -over -year. Most retail execs know the importance of e-commerce. In a Deloitte survey 88% of retail executives said digital acceleration is a priority. Estimates show that \$1million dollars is spent online every minute. Of course much of that money is spent on Amazon. The company's sales surged 44.1% in 2020 they are responsible for 83.2% of all book music and video e-commerce purchase in the U.S. The food and personal care industry saw the highest growth in the e-commerce space in 2020, according to data from date peportal. Globally the e-commerce revenue in this category was up more than 40% and grocery stores, online transactions in November 2020 were double the January 2020.



 MOHD SUBHAN KHAN  
B.PHARM II

## THE POWER OF EDUCATION

Education is not just about getting a degree to show to the entire world of how competent you are. Education plays a very crucial role in your life. Education is confidence, because of which you can stand in front of millions and put your words without fear. strength to stand tall. Education fills you with joy when you learn something. Education gives you the courage to fight all odds. Education makes you wise so that you can easily differentiate between good and bad and lastbut not the least education helps you identify who you really are. Education hones your personality, your skills, the way you think, and the way you react. Education is a journey from insanity to sanity, from dark to light. Education defines you, it's who you are, your stand on different issues. Education gives you the power to think to be the change you want. Education believes in no boundaries, in no castes, in no religions, in no gender. Education is like a bright sunshine which brightens up your entire life and never discriminates in whomsoever taking from its light. In a long long time we haven't heard of any technological advancements or a drug for the cure of diseases which are incurable despite of the fact that we have the maximum amount of turnover in terms of doctors and engineers. Why haven't we been able to exploit education to its core value? Why have we not been able to achieve a holistic understanding of what the word essentially means? It is high time we answer these questions!



 VALI-UR-REHMAN  
B.PHARM II

## IN MY CITY PHARMACEUTICAL INDUSTRY

In the current situation the health of everybody has the highest priority. The pharmaceutical industry is facing a lot of challenges while searching for new medication and vaccine against diseases like malaria typhoid etc. Winning the race against time is now more important than ever. Your highly motivated scientists are here for you to support you in order to carry out research development processesand documentation and are ready to help. I am interested in it because of I wish to do something for human race. I wish to have all the skills and experience required for such a call and I am confident that I can make an immediate impact. It is not just my educational background but also my passion for the industry that drives me to succeed. The importance of pharmaceutical industry is because pharmaceutical companies boost the global economy as well as drive medical progress by research & development. "A doctor gives the life to patient but the pharmacist gives life to medicine."



 MOHD RIZWAN  
D.PHARM II



## EVENTS



### INDEPENDENCE DAY CELEBRATED AT JIT

Independence Day was celebrated in the Campus on 15 August 2022 with much enthusiasm. The students and staff members carried out the Tiranga March, in and around the campus. But the main attraction was obviously the flag hoisting ceremony, which was done by the Academic Head Dr A K Mishra. It was really a proud moment to see our national flag unfurling high in the sky. Later, the main program was organised in the Seminar Hall in which students presented cultural programs on the national festival. The event concluded with the sweet distribution to the students and staff members.

