

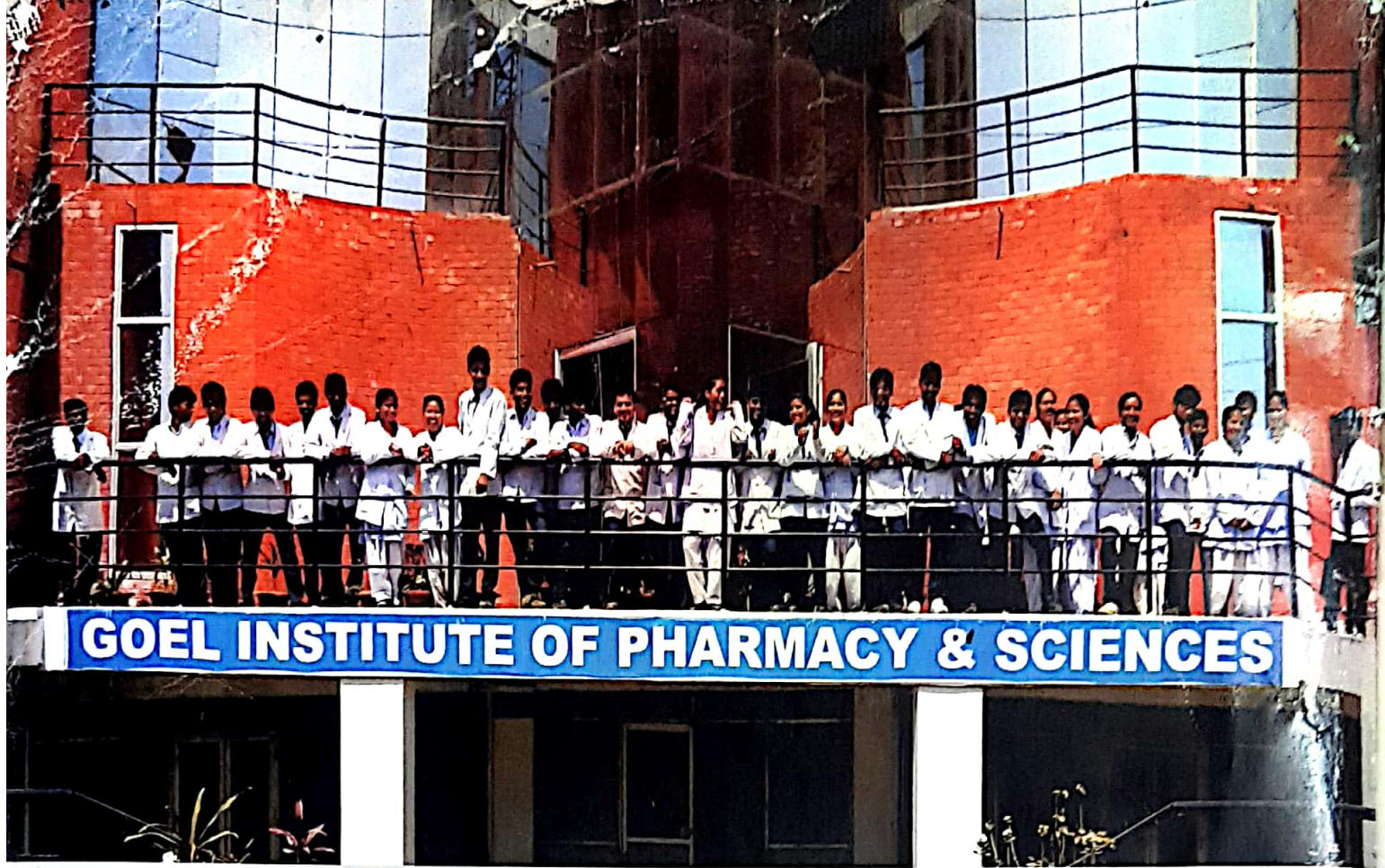
2020-2021 Issue



उद्गम Udgam

Cultural & Literary Annual Magazine

Goel Institute of Pharmacy & Sciences
Lucknow



2020-2021 Issue

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**Goel
Institute of Pharmacy & Sciences
Lucknow**

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Shri Murari Lal Goel

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About the Institute

Sri Roop Chand Agarwal and subsequently his son Sri Ramji Lal Agarwal struggled hard throughout their lives to establish the ideals of "Vasudhaiv Kutumbkam". They strived hard for the welfare of the society at large. They cherished the dream of inculcating moral values in the younger generation through exposure to proper education & ethics to develop this great nation. Thus, to fulfill the dreams of their ancestors, the present generation visualized and established Roop Chand Ramji Lal Education Trust. The Goel Institute of Pharmacy and Sciences is Approved by AICTE and PCI, New Delhi. The College is affiliated to Dr. A.P.J. Abdul Kalam Technical University and Board of Technical Education Uttar Pradesh. Lucknow.

Vision

Goel Institute of Pharmacy and Sciences, under the umbrella of Goel Group of Institutions provides excellent educational environment with dedicated faculty and management for creating world class quality professionals for the various fields of pharmacy viz. education, research, industry, hospital and other health care system to serve the humanity and nation.

Mission

The mission of Goel Institute of Pharmacy and Sciences provides a comprehensive and progressive education that prepares pharmacists to assume an active role in providing skilled ethical and compassionate patient care that improves the health and quality of life. The institute achieves its mission by maintaining a community active and creative scholars devoted to the discovery, integration and dissemination of knowledge in the clinical and pharmaceutical science.





PHARMACIST OATH

I swear by the code of ethics of Pharmacy Council of India, in relation to the community and shall act as an integral part of health care team.

I shall uphold the laws and standards governing my profession.

I shall strive to perfect and enlarge my knowledge to contribute to the advancement of pharmacy and public health.

I shall follow the system which I consider best for Pharmaceutical care and counseling of patients.

I shall endeavor to discover and manufacture drugs of quality to alleviate sufferings of humanity.

I shall hold in confidence the knowledge gained about the patients in connection with my professional practice and never divulge unless compelled to do so by the law.

I shall associate with organizations having their objectives for betterment of the profession of Pharmacy and make contribution to carry out the work of those organizations.

While I continue to keep this oath unviolated, may it be granted to me to enjoy life and the practice of pharmacy respected by all, at all times!

Should I trespass and violate this oath, may the reverse be my lot!



Chairman's Message



With the grace of God and blessings of our visionary grandparents Sri Roop Chand Agarwal and our father Shri Ramji Lal Agarwal, we formed a Trust Sri Roop Chand Ramji Lal Educational Trust (RCRL) with a vision to educate youth from all walks of life.

I am glad to say that in 10 years of this service to the nation, Goel Group of Institutions under RCRL Trust have been delivering education to all age of young minds in almost all fields of education.

Our emphasis is that even though students come from different backgrounds but when they go out, they are perfect professional and worthy citizen of this great country, India. I assure that the Trust would fulfill the requirement of all the institutes to make its student successful professional to serve the society and country at large & I can proudly say that you send your toddler to the group and it may come out as a matured professional. I welcome you to be a part of our journey to acquire knowledge that provides benefits to both self and mankind.

Er. Mahesh Kumar Agarwal (Goel)
Chairman/Trustee-GGI



In an era of globalization, a well planned infrastructure and faculty is a must for a Conducive teaching-learning process in the campus and good connectivity to the countries at large.

I hope that my thirty years experience of constructing marvelous buildings will fulfill a dream of my ancestors, my father, Late Sri Ramji Agarwal and grandfather, Late Sri Roop Chand Agarwal, to provide grand building and world class infrastructure which enhances the moral and confidence of our students to face the challenges in corporate and professional world.

I hope that I will also create the landscape of my campus which is lush green, sprawling and eco friendly. In the end I would like to say that excellence is never an accident, it is the result of commitment, meticulous planning, firm determination and ceaseless effort.

I hope that we nurture sense of excellence in all our students and staff.

Murari Lal Goel
Vice Chairman



It gives me immense pleasure to share my views with your college, today we are progressing in the right path of development for the elevation of the human spirit to lead a healthy life, our company has ever strived to build on the core values of reaching out to millions of people deprived of basic need such as medicine. We are in the business of fulfilling one such necessity of humans. When I look back at our company, a sense of satisfaction emerges for what we have achieved. It is when I look forward there is a lot more to achieve in elevating human sufferings.

I have the pledge to keep going, building an even stronger company so we may reach out to many more people and places where we can extend our co-operation in supplying quality medicines at reasonable prices.

Kunal Remedies Pvt. Ltd. is recognized among the leading names in the field of manufacturing and marketing of sterile parenteral preparations (I.V. Fluids) and life-saving medicines with emphasis on technology and quality, KRPL offers a range of products in Glass, BFS & FFS technology to make the product free from any contamination as it avoids all kinds of humanitarian intervention in the manufacturing process.

We work every day to follow our commitment to integrity, excellence, and respect for humanity in all that we do. These values are the driving force for us. With continuous improvement, we strive to make better lives for people around the world. My vision for KRPL Pvt. Ltd. is in association with Goel Institute of Pharmacy and Science, Lucknow is that it is a great place to work and a great place to invest.

I would like to thank all the faculty and staff members of Goel Institute of Pharmacy and Science, Lucknow, who are working towards the goal of sustainable development and betterment of student - whether as part of their professional responsibilities or in their private lives - and urge them to continue these efforts. We welcome to you contact us - whether to enquire about our products or to offer your thoughts as to how we can best serve you.

Good luck and best wishes for the future.

Thank You

Shri Ashok Agarwal
Managing Director
Kunal Remedies Pvt. Ltd. (KRPL) Lucknow

Director General Message



Pharmacy is a multidisciplinary course comprising of the application of chemistry, biology, mathematics, statistics, computer applications, biochemistry, molecular biology, cell biology, chemical engineering, etc. Over the last few years due to phenomenal growth and advancement of science and technology, the field of pharmacy and drug discovery program have considerably changed and developed.

The College of Pharmacy has been established with a mission to provide courses of study and prepare trained manpower in the field of Pharmacy, Pharmaceutical Sciences and to integrate the knowledge of medicine, clinical sciences, and drug discovery system for patient care and cure. It is designed to be a self-reliant campus with all basic amenities and resources. It enables the students to develop a strong foundation in bio-sciences and related subjects and simultaneously improving their applicability in the various stages in medicine discovery and production. A perfectly conducive learning atmosphere has a unique integration of the ingredients suiting the requirement of the contemporary pharmacy education scenario. The faculty members are a careful assortment of people with knowledge, experience, and expertise who have demonstrated their capabilities in their past academic endeavors.

Dr. Satyawan Singh
M. Pharm, Ph.D
Director General

Director's Message



I heartily welcome you all at Goel Institute of Pharmacy & Sciences a prestigious institute situated in heart of the city, Lucknow, Uttar Pradesh. The institute is committed to develop dynamism, strong human value, technocratic and good leadership qualities in all our students with a team of well experienced, highly qualified and dedicated faculty. I am happy to inform that institute has already completed its more than 10 glorious years & the idea of putting the foundation of an educational institution is so inspiring, what was once planted as a sapling is now all grown into a large tree. In these golden years institute has carved out its own niche in various fields of pharmacy and our students have excelled in the university as well as competitive national level examinations.

The present is changing rapidly, as a result the demand of industry also changing continuously. Institute has very strong links with the industry and continues to receive generous support from various organizations that proves to be of immense value in arranging training and placements for the students to strengthen their technical & personal skills. We believe in motivating the students to realize their own potential, analytical and ethical capabilities using up-to-date infrastructural facility in the campus to become a globally competitive professional and worthy citizen of our great country, India.

It is very difficult to believe that what was once dream is being fulfilled now. I am enthusiastic to maintain a goal to develop the career of the blend of extraordinary and smart students studying in this institution from each and every corner of the Uttar Pradesh, as well as to organize different kind of job opportunities in various organizations. It is my pleasure to invite you people who are the young minds of today and the responsible citizens of tomorrow at Goel Institute of Pharmacy & Sciences, Lucknow.

Dr. Amresh Gupta
M. Pharm, Ph.D
Director

Our University Rank Holder ~ (Toppers)

S. No.	Name of the Students	Roll No.	Session
1.	Juhi Agarwal	839250401	2008-2012
2.	Arunendra Bahadur Singh	939250004	2009-2013
3.	Parthosh Dubey	1039250026	2010-2014
4.	Mritoo Rawat	1139250049	2011-2015
5.	Govind Yadav	1239250032	2012-2016
6.	Mahima	1339250058	2013-2017
7.	Sonu Gupta	1439250083	2014-2018
8.	Sagar Singh	1539250047	2015-2019
9.	Sandeep K Singh	1639250075	2016-2020

Our GPAT Rankers

2017-~~20~~

S. No.	Name of the Students	Session
1.	Sudhanshu Yadav	2016
2.	Gauri Sankar	2016
3.	Vanya K. Gautam	2016
4.	Deepak Rawat	2016
5.	Monu K. Kashyap	2016
6.	Pragya Mishra	2019
7.	Deepak Kr. Amaljeet	2021
8.	Md. Shabbu Khan	2021
9.	Mhd. Khalid	2021

2022



The Miracle of Honey

By making honey, bees have served humanity since very ancient times. Beekeeping goes as far back as 3500BC.

THE PRODUCTION OF HONEY

As you know, the main ingredients in honey are the nectar collected by bees from flowers and fruit buds. Bees turn this into honey. Pollen does not affect the production of honey and is used by bees only to meet their needs of protein. A bee collects the nectar from a flower and swallows it. This then undergoes a chemical change in the stomach, where it becomes a heavy, sugary liquid rich in vitamins and minerals. Later, bees place it into the honeycomb cells and seal it with wax cover. The honey acquires its familiar taste and consistency in the comb, thanks to the special air conditioning provided by bees. The color of honey, its sugar content and different flavor all are from the original nectars collected. The aromatic volatile oil in flowers, those same oils that give flowers their scent, gives the honey its aroma. Honey production requires a major effort. For example, it takes 900bees working an entire day to collect half a kilogram of raw nectar, only part of which can be turned into honey. The amount of honey obtained from the flowers depends upon the sugar concentration of the nectar brought to the hive. In the apple blossom, for instance, there is little sugar, and so little nectar collected from the apple trees can be turned into honey. To obtain 150g of pure honey, some 17000bees must visit 10 million flowers. An average expedition to find food requires that a bee visit some 500 flowers and on a journey lasting approx. 25 minutes. That explains why bees have to put in 7000 work hours to obtain 150g of pure honey.

Although this job is most demanding, bee creates many times more honey that they need. No doubt, this is a blessing from God for human beings' benefits.

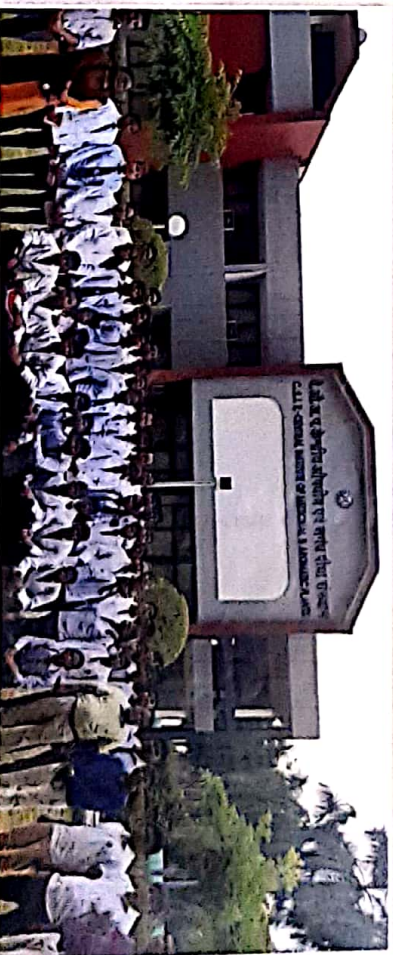
THE CONTENT OF HONEY

The reason for honey's sweet to mind the taste, the most characteristic that come to mind, is the 3-different sugars in honey: dextrose (34%), sugar (2%), and levulose or fructose (40%).

Besides, 17% of honey is water. The remaining 1% consists of iron, lime, sodium, sulfur, magnesium, phosphorous, pollen, manganese, aluminum, calcium, copper, aluminum, dextrin, nitrogen, and traces of other substances besides protein and acids. It's 7% of the mixture that determines the quality of honey. There is one very important difference between honey and ordinary cane sugar with which are all familiar. Sugar enters the bloodstream only after changing the digestive system, while honey can enter it immediately, with no need to be digested first. In short, honey is a food that has been specially created in such a way that human beings can be benefited from it at the highest level and in the most rapid manner. It has been established that honey mixed with warm water supplies energy to the body in a manner of minutes.

PROPERTIES OF HONEY

One of honey's most important features is that it harbors no bacteria. honey's high sugar content is great for absorbing moisture, which makes it difficult for bacteria to survive. Microbes is propolis, which is found in the nectar of some honey, and can actually kill bacteria. For this reason, honey can be used as an antibacterial. For example, it has been established that the bacterium MRSA, which is resistant to antibiotics, is not resistant to honey. Along with its minerals, sugars and many vitamins, honey also contains small quantities of various hormones, zinc, copper and iodine.



5 Things You Should Not Say at The Pharmacy

We have all been there at some point as a tech or an internal customer or a supervisor or a career retail pharmacist; we have all heard some of the crazy things customers say at the pharmacy, some make you cringe, some just make you roll your eyes, but you know it when you hear it. There are some things you should not say at the pharmacy. I present to you my (slightly)sarcastic take. I have a bigger list, but here are a few:

1. "I want to return this. My husband shouldn't have picked it up."
Oh, the first thing here no returns on prescription are allowed at the pharmacy. Once it has left the pharmacy, unless it is an error on the pharmacist's part, you own it. We must get this right the first time, which leads me to my second point. If this is anything more than a simple pay and pick-up errand, DO NOT leave it in the hands of your husband. Husbands will do anything make sure they do not have to make a return trip or come home without what you sent them for. I know this because I am a husband.

Here is an advice. Ladies, take pictures of what you need and give ultra-specific instructions. Husbands, please listen to said instructions. If you run into a situation where you are asked to make a decision, don't do it; step away from the counter so you can call home, and hope she answers (she won't). If she doesn't answer, just leave the medicine and go home to ask her the question. You live close by, so it's okay. Also, if she sends you to Broadway! Don't listen to the pharmacist telling you Claritin is better. Get what you were sent for.

2. My name is either Jenny Smith or Jenny Foster or it might be Jenny Smith-Foster or may be Jennifer

Can we just pick a name and stick with it, please? It doesn't seem that difficult to me. Decide what you want your formal name to be and keep it that way. Give that name to your pharmacy and your Doctor. Put it on your driver's license. It is okay if your friends call you something else, but your formal name must always stay the same. If you are a junior, I'm sorry. This isn't your fault. You will always be forced to check whether you are receiving your medicine or your dad's medication.

3. These should be the blue pills, not the white ones, why can't you ever get it right?"

Most retail chains have wholesalers who supply them with their medications. Sometimes the wholesaler will change what manufacturers are sent to the pharmacy, based on pricing or contract changes. It is the same medication, but it might look different. If your pharmacy is able to special order the blue tablets for you (some aren't) please be thankful, and help them remember what your preference is. There are a lot of customers to serve and it is difficult to remember to do things for certain customers. Friendly reminders when you re-order are always welcomed in this situation.

4. I know you are closing in 5 minutes, but can you fill this real quick?"

Flocks, please be respectful in any retail setting and don't rush in at last minute to do something. The employees are trying to clean up and get ready for the next day, so they can leave on time and get home to their families. You have known all day that day needed this and the store has been open all day, expectation here would be if you have been stuck at the acute care clinic or ER for a long time and got released. Otherwise, it is okay to ask for what you need, but at least offer to come back the next day and pick it up.

5. I need to go. My ice cream is melting in my basket."

Really? A good general shopping rule is to pick up your frozen food as the last thing. Go to the pharmacy first, make your request, shop for whatever you need, and then hit the frozen food on your way out. Don't sit down with ice cream in your basket and then ask for a shingles vaccine, some things take time and your ice cream is not the priority. If you do run into a situation where your ice cream is melting, you can simply walk back to the freezer and swap it out for another one. I know that's asking a lot but you can do it. Sometimes it is fun to look at the lighter side of things that can get your nerves. Truthfully, customer should find their pharmacy to be a place where they can get the best customer service anywhere. Hopefully they will avoid saying these 5 things and make their trip even more enjoyable for everyone!

~ Kareem Shah
B. Pharm 2nd Year

Pharmacy Quotes

Quote #1

"It is easy to get a thousand prescriptions, but hard to get one single remedy." — Chinese Proverb

Quote #2

"Rogue internet pharmacies continue to pose a serious threat to the health and safety of Americans. Simply put, a few unethical physicians and pharmacists have become drug suppliers to a nation." — Dianne Feinstein, US Senator for California

Quote #3

"Alcohol, tobacco, and pharmaceutical drugs are legal, but they hurt a lot of people." — Ziggy Marley, reggae musician

Quote #4

"Water, air, and cleanliness are the chief articles in my pharmacy." — Napoleon Bonaparte, 19th-century French military leader and emperor

Quote #5

"When somebody follows you 20 blocks to the pharmacy, where they watch you buy toilet paper, you know your life has changed." — Jennifer Aniston, actress

Quote #6

"Always laugh when you can. It is cheap medicine." — Lord Byron, 19th-century English romantic poet

Quote #7

"The who takes medicine and neglects diet wastes the skill of his doctors." — Chinese proverb

Quote #8

"Do what makes your area manager happy." — Twitter, @MrDispenser

Quote #9

"Poisons and medicine are often the same substance given with different intents." — Peter Marc Latham, 19th-century English physician and educator

~ Rajesh Verma
B. Pharm 4th Year



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~ Rajesh Verma
B. Pharm 4th Year



Save Girl

I sleep I eat I talk and I play
I hear your sweet voice throughout the day
Immense joy and no sorrow to hide
Moon, home is the world outside?
I can sense your love for me
I am eagerly waiting to come out and see
What is there in this worldly rinde?
Moon, home is the world outside?
I spend my time hearing you sing
Song of happiness, the song of spring
I sensed you hurt last night when you cried
Moon, home is the world outside?
Your hurt and vibrations make me nervous
Your cry and emotions make me anxious
I whispered, I lacked but you never replied
Moon, home is the world outside?
Shh, they want a boy and not a girl
The boy is treated as diamond and pearl
I feel sorry; your life is short inside
Sweetheart, the world is sick and unsafe outside.

~ Anushi Yadav
B-Pharm 2nd yr

Pharmacovigilance

The World Health Organization has defined PV as the "science and activities relating to the detection, assessment, understanding and prevention of adverse effects or any other possible drug-related problems". PV is commonly considered to have begun as a separate, identifiable activity in the United States with the passage of the Drug Efficacy Amendments (also known as the Kefauver-Harris Amendments) of 1962, which were legislated in response to the thalidomide catastrophe that had occurred in Europe.

However, there is an earlier history that played an important role in

shaping the statute. As early as 1952, the US Food and Drug Administration (FDA) had actively sought information concerning a growing safety issue with the use of chloramphenicol. FDA surveyed its 16 district offices of hospitals, clinics, and medical schools in cities with populations > 100,000 to collect reports of plastic anemia and blood dyscrasias associated with the use of chloramphenicol.

Thus, a pilot activity of careful, systematic review of individual case reports organized in response to a drug safety concern was codified in the Kefauver-Harris Amendments of 1962 as a required corporate responsibility of evaluation and timely reporting. This early response has continued to evolve into the present-day core function of Case Management.

The discipline of PV has developed considerably since the 1972 WHO technical report, and it remains a dynamic clinical and scientific discipline. It has been essential to meet the challenges of the increasing range and potency of pharmaceutical and biological medicines including vaccines, which carry with them an incredible and sometimes unpredictable potential for harm. The risk of harm, however, is less when medicines are used by an informed health professional and by patients who themselves understand and share responsibility for their drugs. When adverse effects and toxicity appear, particularly when previously unknown in association with the medicine, they must be analyzed and communicated effectively to an audience that knows to interpret the information. This is the role of PV, of which much has already been achieved. But more is required for the integration of the discipline into clinical practice and public policy. To fulfill the PV obligations for its marketed products as per regulations, a pharmaceutical company in India has to essentially carry out activities such as collection, and expedited reporting of serious unexpected ADRs.

Pharmacovigilance is central to drug safety. PV analysis conducted in Phase I, Phase II, and Phase III clinical trials gives the drug company's data on the safety profile of the drug. This data can be used for further R&D if necessary or can be submitted to regulatory authorities to allow new markets to be accessed. Both PV practices in clinical research and those done through medical professionals and consumers offer valuable insights into the safety profile of pharmaceutical medications.

When a new adverse reaction is identified, the list of side effects on the label must be updated. At times, PV data can lead to the removal of a drug from the market (drug recall) due to dangerous side effects.

~ Uzma Baranum
B Pharm, 4th year

World Peace

The two words 'world peace' is only in words
The leaders of all nations, the ministers of all capitals
The people of all towns and villages need peace, peace, peace.
What do we have to do for peace? When will people live in peace?
The interrogation continues and continues
Interrogating your mind, your soul,
The answer is very simple! Do good things without any expectation
Love with kindness among all humans alone can bring world peace
Live for others, others will love you and live for you!
If it is so..... you can feel the world's peace
You can feel "The heaven on the Earth"

~ Anjali Shukla
B Pharm, 2nd year

Pharmacist Prayer

Lord, as I work behind this counter may I feel your presence here.
Help me to fill each prescription with knowledge, love and cheer
May I always be humbled by the privilege that is mine of making life
more comfortable and giving peace of mind for all who seek
assistance give me the wisdom to meet their needs, and for each
encounter, I pray,
Dear Lord that I follow as you lead

Amem

~ Shriyani Singh
B Pharm 2nd year

Poem

We are the pharmacists
From any disease, we heal you
Everyone is having a valuable life
So the life, we can deal you!
We are the pharmacists
We medically, kindly cure you
Are you struggling with your quest?
The quick recovery we assure you!
We are the pharmacists
We play with the medications,
Physicians can only describe your disease,
& we are the ones who give legal treatments!
We are the pharmacists
Working for our commoner hand
Protecting you all from the decades
& saving you all by being a life guard!
We are heartily proud of ourselves
We handling this profession
For serving you all better
For this healing mission.

~ Priyansha Nigam
B Pharm, 3rd year

Thoughts on Life

Dreams give rise to hope.
Hope inspires efforts.
Efforts result in success.
So, dreams are the root of success.
Make all your dreams come true.
The world is waiting for you.
Walk with an Aim!
Run with self-confidence!
Fly with Achievements!
Reach the peak of success!
In any task, we have to cross 3 stages.
(I)Insult
(II)Opposition
(III)Acceptance
Fools stop at the 1st stage
Losers stop at the 2nd stage and
Winners cross the 3rd stage
So always become a winner.

~ Neha Singh
B Pharm, 2nd year



Goel Group of Institutions
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2020
ON 10th FEBRUARY, 2021 (SATURDAY) AT 11:30 AM
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"Moulding Young Minds Towards Innovation"

आयुक्त परिवेश में सागर सुरक्षा की जानकी जन्म

सुरक्षा की जानकी जन्म

LUCKNOW (16 Feb): नेशनल एम एलए इन्स्टीट्यूट ऑफ मेडिकल साइंसेज (NEMIS) में आयुक्त परिवेश में सागर सुरक्षा की जानकी जन्म हुआ। इस अवसर पर, नेशनल एम एलए इन्स्टीट्यूट ऑफ मेडिकल साइंसेज के अध्यक्ष डॉ. जयशंकर प्रसाद ने कहा कि सागर सुरक्षा की जानकी जन्म लेना ही है जो हमें वास्तविक जीवन में सुरक्षा प्रदान करता है। उन्होंने कहा कि सागर सुरक्षा की जानकी जन्म लेना ही है जो हमें वास्तविक जीवन में सुरक्षा प्रदान करता है। उन्होंने कहा कि सागर सुरक्षा की जानकी जन्म लेना ही है जो हमें वास्तविक जीवन में सुरक्षा प्रदान करता है।

We Wear The Mask

We wear the mask that grins and lies,
It hides our checks and shades our eyes,
It darts a quick and cunning smile,
With none and bending hearts we smile,
Who should the world be over-wise?
In counting all our tears and sighs?
Nay, let them only see us, while
We wear the mask.
Oh great Christ, listen to our cries
To thee from tortured soul arise,
We sing, but oh the clay is vile,
Beneath our feet, and long the mile,
But let the world dream otherwise,
We wear the mask!

~ Ashish Parihar
B. Pharm 2nd year

The Supreme Court

The union government is mainly composed of the

- I. Executive
- II. Legislature
- III. Judiciary

In which all powers are vested by the constitution in Prime Minister, Parliament and the Supreme Court. The judiciary is a system of courts that interpret and apply the law.

The Indian judicial system is managed and administered by officers of judicial service. The judicial system of India consists of the Supreme court, High court and District court.

The Supreme court of India is the highest judicial court and the final court of appeal under the constitutional court with the power of judicial review.

India is a federal state and has a single and unified judicial system with a three-tier structure i.e. Supreme court, high courts and subordinate courts.

The Supreme Court's only, *Amor* is the cloak of public trust; its sole ammunition, the collective hopes of our society.

No man is above the law and no man is below it.
Nor do we ask any man's permission when we ask him to obey it.
Obedience to the law is demanded as a right not asked as a favor.

~ Aishha Khatoon
B. Pharm, 1st year

Education For All

Education means to understand and learn by exploring new adventures. Basic education is necessary for everyone to know the difference between good and bad for them.

These days, education has reached every place, but still, some children are not getting education. This is due to poverty. The poor children are not able to afford education.

The poor people are still afraid to send their girls to attend school sessions. This is mostly because of the low thinking of people. They think girls should stay home and do household chores. Due to which many organizations are actively training girls self-defense techniques.

"Education is for all and will be for all forever"

~ Mania Sahani
B. Pharm 2nd year

Oath of A Pharmacist

I promise to devote my professional life to the service of all humankind through the profession of pharmacy.

I will consider the welfare of humanity and relief of human suffering as my primary concern.

I will apply my knowledge, experience and skill to the best of my ability to assure optimal drug therapy outcomes for the patients I serve.

I will keep abreast of development and maintain professional competency in my profession of pharmacy.

I will maintain the highest principles of moral, ethical and legal conduct.

I will embrace and advocate change in the profession of pharmacy that improves patient care.

I will take these vows voluntarily and responsibility with which I am entrusted by the public.

~ Rudra Pratap Singh
B. Pharm 2nd year



Aspirin

It is a common drug for relieving minor aches, pain and fever.

Aspirin is a non-steroidal anti-inflammatory drug (NSAID). Aspirin contains salicylic acid, a compound found in plants such as the willow tree and myrtle.

Its use was first recorded around 4000 years ago. NSAIDs are a class of drug with the following effects-

- I. Relieving pain
- II. Reducing fever
- III. Lowering inflammation in higher doses

These drugs are not steroids often having similar benefits to NSAIDs, but they are not appropriate for everyone and can have an unwanted side effect. Aspirin has many trademarks owned by the German pharmaceutical company Bayer. The generic name for aspirin is acetylsalicylic acid.

Uses-

Aspirin has many uses - including relieving pain & swelling, managing various conditions, and reducing the risks of cardiovascular events in people with a high risk.

Pain and swelling-

Aspirin can relieve mild to moderate pain, swelling, or both associated with many health issues, such as headaches, a cold or flu, sprains and strains, etc.

For severe pain, a doctor may recommend using aspirin alongside another drug, such as an opioid pain reliever or other NSAID.

People with the following conditions should be cautious about taking aspirin, and should only do so if a doctor recommends it:

- I. Bleeding disorders, such as hemophilia
- II. Uncontrolled high blood pressure
- III. Asthma
- IV. Stomach ulcers and liver, kidney diseases

Under doctor supervision, women who are pregnant or breastfeeding may take low-dose aspirin. During pregnancy, doctors usually do not recommend high-dose aspirin.

Side effects-

The most common side effects of aspirin are-

- Stomach or gut irritation
- Indigestion
- Nausea

The following adverse effects are fewer-

- Vomiting
- Stomach inflammation & stomach bleeding
- Brushing

Warning-
Doctors do not usually recommend aspirin for people under 18.

~ Iamlyaz Shah
B. Pharm, 2nd year

A Thousand Stories Long Women

You are a thousand stories long, with the depth of the ocean and entire constellation women into your soul
And you must remember this before any man tries to connect with you that you are any less.

~ Vishvavari Srivastava
B. Pharm 2nd year

A Trusted Profession - Pharmacy

People in pain can be crossed as a rule
However, the pharmacist helps them keep their mind cool

Always as your friend, he often gives free advice
Many years he was trained before he could start
And more importantly, he has got a great big heart.
Certainly, he is in the most trusted profession.

It's your health that is his obsessions.
So the next time you see him, give him a smile.
Treat him nicely, you will get back by mile.
Surely, he will keep you healthy, at least for a while!

~ Tanisha Singh



Daughters.... Save them!

Daughters are the ones who bless your life. It will suck for you no matter how hard the time is. No worship the Laxmi and kill the one you hate. Educate the girl even whether she is a daughter or wife. She can make you proud cleaning the house and managing a flight. She can reduce herself and the surrounding too. Give her a chance and you can experience her too. Don't take their life by having your choices. Give them the options and let them choose their dice. Daughters are the strongest daughters are the divine. They stand on their own and brightly shine.

Self Confidence

If you always cry your best
Then you will never dare to wonder
About what you could have done
If you had summationed all your thunder
And if you're best
Was not as good
As you hoped it would be.
You still could say,
"I gave today
All that I had in me"
Success is a verbide.
Bar the journey, is impossible
Without the fuel named.....Self-confidence

~ Arpan Verma
B Pharam 1st year



Effect of Pandemic on Student Life..... Introduction—

The pandemic covid-198 spread over the whole world and compelled human society to maintain social distancing. It has significantly disrupted the education sector which is a critical determinant of a country's economic future. On February 11, 2020, the WHO posted an official name of the virus as COVID-19. It was first identified in Wuhan. The first case of the COVID-19 pandemic in India was reported on 30 Jan 2020, in Kerala. It affected more than 4.5 million people worldwide.

The positive impact of covid-19 education

- Demand for open and distance learning— During the pandemic situation, most of the time students preferred ODL mode as it encourages self-learning providing opportunities.
- Better time management— Students can manage their time more efficiently in online education during pandemics.
- Worldwide exposure— Educators and learners are getting opportunities with peers from around the world.
- Improvement in collaborative work— There are new opportunities where collaborative teaching and learning can take a new form.
- The negative effects of covid-19 on education— Not all teachers/ students for online education— Unprepared teacher/ students for online education— Not all teachers/ students are good at it or at least not all of them were ready for this sudden transition from face-to-face learning to online learning.
- Increased responsibilities of parents to the education— Some educated parents can guide but some may not have the adequate level of education needed to teach children at their homes.
- Loss of nutrient due to school close— Mid-day meals are a school program in India. The closure of schools stopped the daily nutrition of students as the mid-day schemes have temporarily been shut.
- Payment of school, colleges fee got delayed— During this lockdown, most of the parents faced unemployment. So they may not be able to pay the fee for a particular period of time.

~ Pragati Shrivastava
B. Pharam 1st yr

Why God Made Teachers?

When God created teachers,
He gave us special friends,
To help us understand this world
And truly comprehend.
The beauty and the wonder
Of everything we see,
And become a better person.
With each discovery,
Hence god created teachers,
He gave us special guides,
To show us ways in which we can grow
So we can all decide,
How to live and how to do achieve
What's right instead of wrong?
They lead us so that we can lead
And learn how to be strong.
Why god created teachers,
In his wisdom and his grace,
We to help us learn to make our world
A better, wiser place.

~ Kailash Kanojiya
B Pharam 1st year

Health, Hygiene and Immunity Boosters During Covid-19

ABSTRACT: The corona virus outbreak came to light on December 31, 2019 when China informed the World Health Organization of a cluster of cases of pneumonia of an unknown cause in Wuhan City in Hubei Province. Subsequently, the disease spread to more Provinces in China, and the rest of the world. The WHO has now declared it a pandemic. The virus has been named SARS-CoV-2 and the disease is now called COVID19. This pandemic disease can be avoided by maintaining good health according to WHO. Proper nutrition and hydration are vital.

IMMUNE BOOSTERS: Immunity is the main mechanism of host defense against infectious agents, demonstrated by the enormous success of vaccination in eradicating disease. The concept that vaccines are the most effective means of preventing infection is well-recognized, both by public health authorities and by the public. Daniel Davis wrote, "the public are fascinated by the connections between lifestyle choices and immunity because there may be practical implications for what it takes to be healthy". There is, in particular, a public interest on increasing immune defense easily. Probably, the most popular belief is about the use of vitamin C to prevent infection, an idea that became popular after a series of scientific articles by Linus Pauling, who advocated the intake of

larger amounts than those recommended at the time. The popularity, among lay persons of this concept is such that "improving the body's immune system" is the top reason for consuming nutritional supplements. Five immune system market includes vitamins, minerals, antioxidants, probiotics and "functional foods" as well as other complementary and alternative medicine (CAM) approaches. A study based on the US National Health and Nutrition Examination Survey showed that over 90% of the US population reported the use of supplements. This has a huge commercial impact, with the global market of dietary supplements estimated around 133 billion USD.

CITRUS FRUITS: It helps to build up your immune system. Vitamin C is thought to increase the production of white blood cells. These are key to fighting infections. Popular citrus fruits include grapefruit, oranges, tangerines, lemons, limes and clementines.

VITAMIN C TABLETS: It is a crucial participant in the army of immunity. It helps prevent the common cold. It acts as a powerful antioxidant and protects against damage induced by oxidative stress. For severe infections, including sepsis and acute respiratory distress syndrome (ARDS), high dose intravenous vitamin C treatment has been shown to significantly improve symptoms in patients. Example: Aurdia-C, Vitamin C with citrus Bioflavonoid, Celin-500mg.

Vitamin D: The supplements have a mild protective effect against respiratory tract infections. Most people are deficient in Vitamin-D, so it's best to consult with a doctor about taking a Vitamin D supplement to boost immune response.

Turmeric and Garlic: The bright yellow spice, Turmeric, contains a compound called curcumin, which boosts the immune function. Garlic has powerful anti-inflammatory and antiviral properties which enhances body immunity.

KEY WORDS: Immunity, Booster, Immunity Enhancer Etc.

~ Ajitl Tiwari
Arypta Singh



Acetaminophen and Warfarin : The Forgotten Interaction

More than 30 million warfarin prescriptions are dispensed annually, but despite the widespread use, it has many limitations. Notable drug-drug interactions include antibiotics, anticoagulants, antiplatelet agents, and non-steroidal anti-inflammatory drugs (NSAIDs). NSAIDs, which are used for their analgesic effect and available without a prescription, inhibit platelets and may have adverse gastrointestinal effects. Acetaminophen, an analgesic that is commonly used worldwide, is often referred to as NSAIDs due to its more appealing adverse effect profile. Up to 18% of patients taking warfarin also take acetaminophen, but clinicians

Case Reports

Numerous case reports have been published that describe patients taking warfarin who experience disproportionate INRs and bleeding events after taking moderate-to-high doses of acetaminophen for multiple days. The bleeding events included gingival bleeding, hematuria, retropneumothorax, and gastrointestinal bleeding. International normalized ratios (INRs) ranged from 4.0 to 16.39 in the studies, with one study reporting a patient who had apnoeic death. (PT) of 96 seconds. The INRs normalized between 7 and 10 days after stopping both medications in 2 of the patients, while fresh frozen plasma and/or vitamin K was administered to reverse the effects of warfarin of the others.

Patients consumed a range from approximately 1 to 4 grams of acetaminophen per day over a range of 4 to 10 days in the case reports.

Potential Mechanisms

Several mechanisms have been proposed to explain the interaction between acetaminophen and warfarin. The toxic metabolite, N-acetyl-p-benzoquinone-imine (NAPQI), a result of them metabolism of acetaminophen by CYP2E1, can be rapidly cleared by conjugation with glutathione in the liver. NAPQI accumulation may be present in overdose and in the setting of induction of CYP2E1 by acetaminophen itself, ethanol, or diabetes. NAPQI may disrupt vitamin K - dependent carboxylase and vitamin K-epoxide reductase (VKOR), thus inhibiting the vitamin K cycle at multiple points. Other mechanisms may include the production of peroxynitrite and subsequent inactivation of VKOR, as well as competitive inhibition of warfarin metabolism by acetaminophen through the CYP2C9.

Recommendations

Despite the availability of evidence of the interaction between acetaminophen and warfarin since the 1960s, data concerning the clinical significance of the interaction remains scarce. Recommendations regarding the management of patients taking both drugs are not strong because no studies examining outcomes, such as major bleeding, exist.

Nurulam Ali
B.Pharm, 4th year



Inside India's Corona Virus Vaccine Delivery System

The vaccines have been chosen but preparations are still underway. We take you through how the Government of India worked around a platform, used earlier for the immunization of children and pregnant women, into a digital data hub to vaccinate 30 crore adults in Phase 1 of the country's Covid-19 vaccine rollout plan.

How vaccines will be transported?

Vaccine manufacturers will send the vaccines via air transport to Union health ministry-run primary vaccine stores, also known as GMSD depots at four locations in India - Karnal (north), Mumbai (western region), Chennai (southern region), Kolkata (eastern region).

From these depots, the vaccines will be transported to 37 state vaccine stores across the country in insulated vans or refrigerated vans. The vaccines will then be sent to district vaccine stores by the respective state or union territory and further transported to primary health centers.

Temperature trackers fitted in each MSD, state vaccine store and district vaccine store will upload information about the temperature inside the facility unto a central server. These trackers will allow authorities to take corrective measures if there is a dip or rise in temperature controls within the centers.

At present, there are a total of 29,000 cold chain points across India. These points contain active equipment such as walk-in coolers, ice-line refrigerators, etc that run either on electricity or on solar power.

Pharmacy Poem

Vitamin C
Orange capsules of condensed vitamin C
Tumble out onto my cracked,
(Overstretched) palm.
As I arch my spine towards the bathroom sink
Scooping lukewarm water from the faucet
Into my half-closed mouth.
The tiny pills cling my upturned throat.
Just two of the numerous solutions
to a world too numb
to contrast.
I've never felt more alive
Then when I'm downwar? my body
With handfuls of tap water
And magic remedies bottled up and
Marketed to a world
Afraid of growing old.
Lining the wall of the cold drug stores,
One aisle over from office supplies

~ Ranakar Pal
B.Pharm 4th Year



Pharmacists Viewpoints Towards Their Professional Role in Healthcare System

Pharmacy service is an essential part of a healthcare system. The profession of pharmacy is well recognized and is practiced to its full potential in developed countries; however, it is under utilized in developing countries such as India. The recognition of a pharmacist's role as a healthcare professional is limited. This study aimed to document pharmacists' attitude towards their role in the India healthcare system, their experience with doctors and their perceptions towards involvement in medicines management.

Introduction

The profession of pharmacy has evolved from a product-focused practice to a patient-oriented one. In general, the primary duties of the pharmacist include providing drug information, medicines management, preparation and dispensing of medicines, counselling of patients, and for mutuating pharmaceutical care plans for patients. A pharmaceutical care plan is an individualized service provided by the pharmacist that aims to improve the quality of a patient's health. Pharmaceutical care involves a collaborative relationship between the pharmacist and the physicians to improve the health status of patients. It was envisioned that in the future, pharmacists would be greatly involved in clinical and administrative roles and, their traditional roles of pill counting, packaging, and dispensing would be performed by technicians and

trainees. Literature suggests that pharmaceutical care practice has a substantial positive effect on healthcare and disease management in developing countries. However, the situation is different in hindered due to time constraints, lack of standard reimbursement, less access to patients' records, poor communication among healthcare professionals, insufficient number of qualified pharmacists and absence of policies. A pre-requisite to establishing effective pharmaceutical care services would be the greater involvement of hospital pharmacist as a member of allied health team with increased interaction with other healthcare professionals. Effective implementation of this service requires an understanding of a hospital pharmacist's perception towards the concept of pharmaceutical care, their role in direct patient care and, the extent and level of interaction with other healthcare professionals. The traditional role of the pharmacist has always been procurement and inventory management of medicines along with ensuring their safety and efficacy. However, with the introduction of the 'Pharmaceutical care' concept by Hepler and Strand during the 90s, the traditional role of the pharmacist has transcended from medical provider to patient care provider. During the last few decades, pharmacists have practiced pharmaceutical care to improve patients' treatment outcomes and maximize the benefits of medication therapy to patients.

~ MD. Khalid
B. Pharm 4th year



Traditional Indian Medicine for the Prevention and Treatment of Corona Virus: Recent Update

Abstract

Coronavirus (2019-nCoV) is a spherical or pleomorphic enveloped particles containing single-stranded (positive-sense) RNA associated with a nucleoprotein within a capsid composed of matrix protein. The envelope bears club-shaped glycoprotein projections. Coronaviruses are found in avian and mammalian species. It was first reported from Wuhan, China, on 31 December 2019, but currently it is spread worldwide. They are transmitted between animals and people. Detailed investigations found that SARS-CoV was transmitted from civet cats to humans and MERS-CoV from dromedary camels to humans. Several known coronaviruses are circulating in animals that have not yet infected humans. The most useful method for laboratory diagnosis is to collect paired sera (from the acute and convalescent phases of the disease) and to test by ELISA for a rise in antibodies against OC-43 and 229E. Coronaviruses (CoV) are a large family of viruses that cause illness ranging from the common cold to more severe diseases such as Middle East Respiratory Syndrome (MERS-CoV) and Severe Acute Respiratory Syndrome (SARS-CoV). A novel coronavirus (nCoV) is a new strain that has not been previously identified in humans. Extending efforts to keep the Chinese virus at bay, the research councils under the ministry of AYUSH, has issued an advisory based on the Indian traditional medicinal practices of Ayurveda, Homopathy and Unani. Herbal medicines and purified natural products provide a rich resource for novel antiviral drug development. Despite the progress made in immunization and drug development, many viruses lack preventive vaccines and efficient antiviral therapies, which are often beset by the generation of viral escape mutants. Thus, identifying novel antiviral drugs is of

critical importance and natural products are an excellent source for such discoveries. In this mini-review, we summarize the antiviral effects reported for several natural products and herbal medicines.

Keywords: Coronavirus, RNA, Chinese virus, Herbal medicine, Treatment.

~ Md. Shahab Khan
Md. Khalid
Om Prakash Verma

Role of Pharmacist in Medical Store

A pharmacy (also called "drugstore" in American English or "community pharmacy" or "chemist" in Commonwealth English) is a retail shop that provides pharmaceutical drugs among other products. At the pharmacy, a pharmacist oversees the fulfillment of medical prescriptions and is available to advise on their offerings of over-the-counter drugs. A typical pharmacist would be in the commercial area of a community.

Characteristics of a good pharmacy

The American Association of Colleges of Pharmacy recommends that consumers choose a pharmacy at which they can have a consulting relationship with the pharmacist. Anyone using drugs benefits when they have easier access to a pharmacist. Being timely includes both processing the request quickly and having drug stock available to fill the prescription. Some consumers need drugs delivered to their home, perhaps by mail, and may select a pharmacy that offers that service. Different pharmacies may charge different prices for the same drugs, so shopping for lower prices may identify a pharmacy offering better value. In addition to fulfilling prescriptions, a pharmacy might offer preventive healthcare services like vaccinations (p-10-date technology). At a pharmacy can assist a patient with prescription reminders and alerts about potential negative drug interactions, thereby reducing medical errors.



Duties

The International Pharmaceutical Federation has declared their vision of a community-based pharmacist:

- An expert in pharmaceutical care, pharmacotherapy and health promotion
- A professional communicative with patients, other healthcare providers and decision-makers
- Deliver high quality products, services and communication
- Document their work and communicate the outcome to professional colleagues

Responsibilities

Community-based pharmacists' responsibilities include: checking and dispensing of prescription drugs, providing advice on drug selection and usage to doctors and other health professionals and counselling patients in health promotion, disease prevention and the proper use of medicines.

In most countries, regulations govern how dispensaries may operate with specific requirements for storage conditions, equipment and record-keeping.

Clinical roles

It is becoming more common for pharmacists to take on extended roles that provide more clinical care directly to patients as part of a primary care team. There are around 11,400 community pharmacies in England. Many are open for extended hours in the evenings and weekends and they are accessible without an appointment.

United Kingdom

In the English NHS, there are 438 million visits nationally to community pharmacies a year for health-related reasons. More than 1 billion prescription items were dispensed in 2012. More than £14 billion is spent on prescribed drugs annually. Under the 2005 NHS Community Pharmacy contract, all community pharmacists in England and Wales provide:

**Dispensing Service**

- Repeat Dispensing Service: This allows the patient to collect regular repeat prescription medicines for an agreed period of time, without having to go back to their GP
- Dispensing of Unwanted Medicines
- Promotion of Healthy Lifestyles
- Signposting to other services
- Support for self-care advice on treating minor illnesses and long-term conditions

Widely available Advanced Services:

- Medicines Use Review & Prescription Intervention.
- New Medicine Service: for patients who have been given their first prescription for a medicine to treat Asthma and COPD, Type 2 diabetes, Hypertension or Anticoagulant Therapy.
- Appliance Use Review Service.
- Flu Vaccination.

Enhanced Services which are not available unless locally commissioned:

- Minimizing Adverse Effects and Admissions Related to Medicines
- Discharge and Transfer Planning
- Managing Dental Pain.

The introduction of the digital hospital-to-pharmacy referral service, which was to launch in July 2020, as part of the new community pharmacy contract, was postponed to 15 February 2021 because of the COVID-19 pandemic in England. It will enable hospitals to digitally notify community pharmacies when patients are discharged and may need advice on taking new medicines, and about changes to their prescriptions.

Support staff

To help pharmacists be able to take on extended roles, it's common for them to work as part of a team that can include pharmacy



technicians, dispensing assistants and counter assistants

Ownership

In parts of mainland Europe, the pharmacist is required to own the pharmacy of which she or he is the licensee. Under this arrangement, a pharmacist can be the operator of only a single outlet. In the UK, 60% of all community pharmacies are owned by companies that own multiple pharmacies.

In the United States, more than 25% of independent owners have ownership in two or more pharmacies.

Most of New Zealand's community pharmacies are owner-operated. In Australia, pharmacists recognize the need to integrate professional pharmacy services into the health system to meet the changing health care needs of the population.

Society and culture

A survey conducted by Prescribe Wellness found that almost half of Americans older than 40 years-old value pharmacists that offer preventative care services, and would be willing to transfer their prescriptions to pharmacists that offer those services. Patients also value pharmacists where they can receive medical advice concerning their prescription medications, how those medications may interact with each other, and receive over-the-counter drug recommendations for the management of common ailments. In a survey of over 1,000 U.S. adults older than 40 years-old conducted by Propeller Insights, 67% of patients responded that they would prefer that their pharmacist discuss new prescriptions with them, rather than their physician, because they viewed their pharmacist as "better at explaining side effects and has more time to spend with them."

— Harshit Yadav
B-Pharm 1st year



Impact of Digital Changes on Indian Education System Due to Covid-19 [Coronavirus] Pandemic

Abstract

Coronavirus disease (Covid-19) is an infectious viral disease cause illness ranging from the common cold to more severe diseases such as Middle East Respiratory Syndrome and Severe Acute Respiratory Syndrome (SARS-CoV). The common symptoms of Covid-19 include fever, dry cough and difficulty in breathing, oral muscle pain, sputum production, diarrhea, and sore throat are less common. While the majority of cases result in mild symptoms, some progress to pneumonia and multi-organ failure. The prime objective is to analyze and evaluate the effectiveness of the digital education system on the generations. The digital education system is faced with problems due to Covid-19 such as increasing uncertainty about this unforeseen crisis as they come across major challenges and threats. Most of the Governments around the world have temporarily closed educational institutions in an attempt to contain the spread of the COVID-19 pandemic. The UNESCO report estimates that the coronavirus pandemic will adversely impact over 290 million students across 22 countries. Indian organizations students have to navigate the unprecedented and thereby find new solutions by using digital teaching and learning to challenges arising across many areas of their operations. The proposed research project upon successful completion will result in understanding the acceptance effectiveness, scope and efficiency of digital education, how internet has negatively impacted students under one roof in this crisis and how it had transformed the lives of students. It would help identify the pros and cons, the potentials, the good and bad of the digital education system. The findings of the study might be helpful to future researchers.

— Manoj Kumar

A Doctor gives life to the patient through medicines.
A Pharmacist gives life to Medicines through his knowledge and skills.

— Harshit Srivastava
B-Pharm 3rd Year

"Life gives pain gives you sorrow, so, you could shine tomorrow, and drives you down, to make you sanguine and so, you could laugh like Clown, Life makes you smile and makes you cry, to teach you to never give up, and one day you would live."

— Danish Khan,
B-Pharm 3rd year

“Nano Particle a Newer Approach For Drug Delivery System”

Abstract

Nanoparticle research is a burgeoning branch of science. The strongly size-related properties of nanoparticles offer uncountable opportunities for surprising discoveries. The often unexpected and unprecedented behavior of nano particles bears great potential for innovative technological applications, but also poses great challenges to the scientists. They have to develop highly controllable synthesis approaches, more sensitive characterization tools and finally, new models and theories to explain the experimental observations. In this review, we discuss a personal selection of papers dedicated to nano particle research, which we believe provide an illustrative overview of current research directions in this rapidly developing field. We have structured the text in five sections: introduction, nanoparticle synthesis, formation mechanisms, nanoparticle assembly, and applications. The chosen examples within these sections are not directly related to each other, but reflect their remarkable broadness of nano particle research covering historical aspects, basic and applied science as well as commercial application.

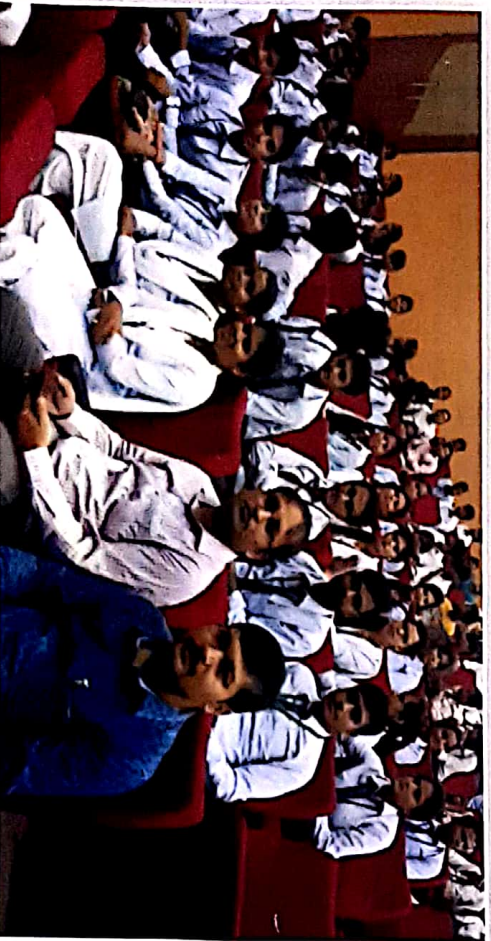
~ Nidhi Gupta, Dr. Arpita Singh

Pharmacy Education in India

Abstract

Pharmacy education in India traditionally has been industry and product oriented. In contrast to the situation in developed nations, graduate pharmacists prefer placements in the pharmaceutical industry. To practice as a pharmacist in India, one needs at least a diploma in pharmacy, which is awarded after only 2 years and 3 months of pharmacy studies. These diploma-trained pharmacists are the mainstay of pharmacy practice. The pharmacy practice curriculum has not received much attention. In India, there has been a surge in the number of institutions offering pharmacy degrees at various levels and a practice-based doctor of pharmacy (PharmD) degree program was started in some private institutions in 2008. However, relatively little information has been published describing the current status of complex pharmacy education of India. In this paper we describe pharmacy education in India and highlight major issues in pharmacy practice including deficiencies in curriculum. The changing face of the profession is discussed, including the establishment of the PharmD program. The information presented in this paper may stimulate discussion and critical analysis and planning, and will be of value in further adaptation of the pharmacy education to desired educational outcomes.

Keywords: pharmacy education, pharmacy practice, India
~ Ajmerun Neshia



रिपब्लिकी की शहादत

देखो पहाड़ों के साग कैसे चलता है ये रिपब्लिकी, इस यत्न में युद्ध को भी भूल कर कैसे हैसता है ये रिपब्लिकी।

पगला है जहाँ पगला है आसमाँ और,

पगला है दिल जो इनसे अनजाने में प्यार कर बैठता है।

गाद रखो इनके ये चेहरे की खुशी मुस्कान,

कहीं ये इन गुनगुना पहाड़ों के बीच खो न जाए।

शेर है वो दिल, जो अनजानों के लिए अपनी

जाना खुशी-खुशी तब वे लगा देते हैं।

वह अलग ही मिट्टी के बने हैं,

वह जो चलाने वालों को बचा जाने हैं

क्योंकि जब तको रात आती है

और हमारे यही वीरों की आवाज में,

एक पल के लिए डर की अलफ उभरती है।

यही वीर मुझे गुलाबों जव खिलती में,

लडता वीर भरी गाँवों में आ गिर पड़ता है।

और उसकी नादान मुस्कान हमेशा के लिए,

खिखर जाती है उस अनन्त अंधरे में,

मैं उसको गले लगा कर बिता करके आता हूँ,

हो सकता है कि इस समय हमें संतरेज की धतूरी,

बस से हार जाए तो भी,

भरी आँखों में ये वीर पहाड़ों के साग हमेशा खुला नैजों।

क्योंकि इन ही टोपियों के बीच,

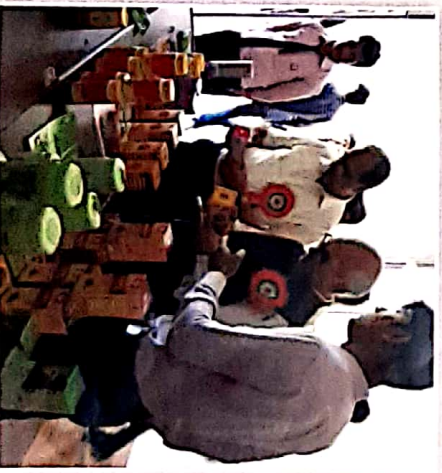
एक लाल टोपी चलता चलता है।

We are Indian's Army Medics.....

और हम इनका साथ कभी नहीं छोड़ेंगे।

~ Rudranshu Pandey

(B Phurm -1st year)



कुछ करना है, तो उठकर चल

कुछ करना है, तो उठकर चल।

शोक दुनियाँ से उठकर चल।

शोक पर तो राधी घब नही है।

कभी इतिहास को पलटकर चल।।

दिनांक को मरुमन कैसा?

दिनांकनत के दाम कैसा?

जब तक ना इतिहास ही भक्तिजल

तो राह न बनना कैसा?

अर्जुन सा निशाना रख।

मन न कोई खडगना रख।।

लक्ष्य सामान है, वस उसी।

ए अमना ठिकना रख।

साव मल, साकार कर।

अपने कर्मा से प्यार कर।

भियोगा हेरी नरनत का " न।

किसी अर का ना इतना कर।

जो दले थ अकेल अलके पीछे आज मिले है

जो करत रह इतनाउ उनकी

जिदगी में आज भी मिले है।।

~ Khushbu Vaidya

(B Phurm-2nd year)



दोस्ती

तो पर - पर हर पर की मरती,
एक स्वर और एक करती,
एक से बारी लड़े पार की बली,
लेकन करती उसे जो जो है दोस्ती,
जब हो लगे लगे हर पर एक मेला,
न छोड़े एक-दूसरे को लना अकेला,
दोस्ती को पर भी एक उदारनी है,
जोखे में अंशु फिर भी उम भर हलाकेनी,
इस लिले न पर अजर पार है,
इसका हंसन इतकी वे तकरार है,
जो तकरार से एक का भंडक जाना,
जिरे दूले का झुले ललिक से ललकी नाना,
कुछ पूना चुहल्लत यह रिता है।
सबको अपना पार से जो रिता है,
दोस्ती तो जीवन का तो पूरा है
जिनके बिना जीवन एक दूल है।

~ Mohit Verma
(B Pham-1th year)



पथिक

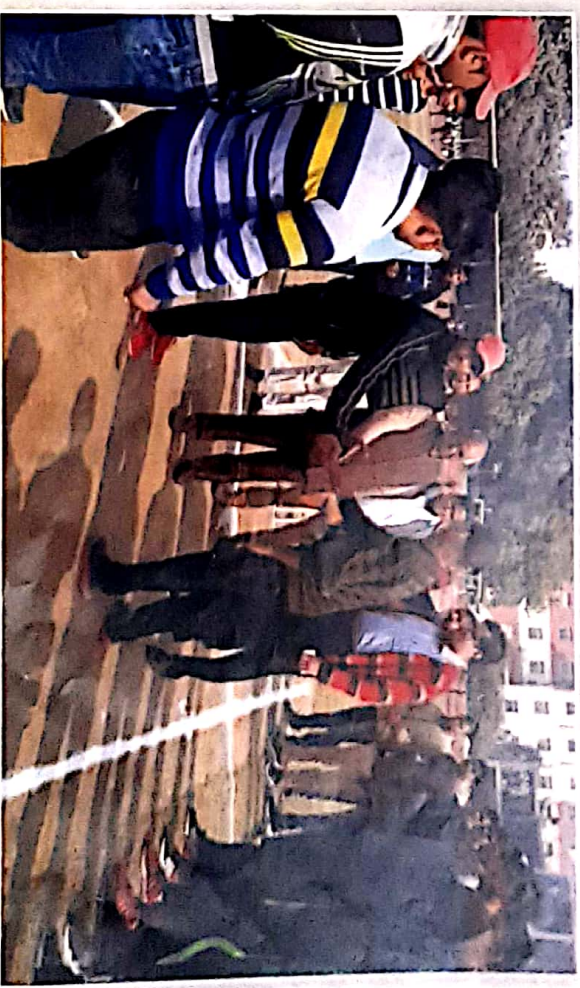
मै पथिक अकेला जीवन पथ पर,
अपनी पुन मे चलता हूँ, लक्ष अपना पाने को।
जग कोई देगा सग भरो,
जग कोई होगा अग भरो,
जग कोई धारणा हाथ भरो,
लक्ष को और ते जाने को।
मै पथिक अकेला.....
बापारे पा-पा रोक रही,
दुखियारे हर पर टीक रही,
जग कोई होगा मॉशी भरो,
भरो भरो पर लगाने को।
मै पथिक अकेला.....
पथ में भरो है शूल बिधे,
लक्ष भरो अभी दूर दिखे,
जग कोई होगा भरो भी,
पथ में पुष दिखाने को,
मै पथिक अकेला जीवन पथ पर ॥

~ Ashwarya Sharma
(B Pham-1st year)

पूछे बेटी पिता से

जन्म पर भरे आर्त महलओगे तो नहीं,
जन्म पर भरे दुखिया मनाओगे,
गम मे दूर जाओगे तो नहीं,
मातृ जो पार आप का
नकरत जातओगे तो नहीं,
वाहूँ मै आर पदना,
इन्कार कर जाओगे तो नहीं,
वाहूँ मै अधिकार बरबर का,
भेदभाव कर जाओगे तो नहीं,
जब हो गयी जवान, विवाह
कर सूनी बहलओगे तो नहीं,
पूजो की तरह पाली इसा बेटी को,
काटो पर रिक्तओगे तो नहीं,
कर परया इस बेटी को
पूज जाओगे तो नहीं
पूछे बेटी पिता से.....

~ Anubhav Kumar Kanaujia
(B Pham-1st year)



रोजगार की चाहत

राश्री काही गर बरका भा मार काहिण
बरोजगार है माहल नज्जगार काहिण।
जग मे कैसे मही है दुखी हिला किरण है
दिनेदिने अरदी जगदी मे गिरण है
कामगारी के पथ मे खुद किरण काहिण
बरोजगार है पूछे रोजगार काहिण।
Talea की कमी नहीं है भारत की माहल का
दुखिया बरत दी भू-भा कही उन नरुजी का
रिक्तता- रिक्तता ही कसम एक दिन यह
नोकरी कैसे दिन अब नोकरी की धिक नरु
नोकरी की दुखिया में अब गुहार काहिण
बरोजगार है माहल पूछे रोजगार काहिण।
दिने रात काले महलत बहुत कलता है
सूखी बेटी उर हर ही दिन मे पर मरणा है
बरतगार र लीग दूर नोकरी नार है है
रिक्तता की माहल दूर नार मे का रह है
नोकरी पाने के लिए यहाँ उगाड काहेर
बरोजगार है माहल पूछे रोजगार काहिण।
"युवा के अर्थात्ता की आवाज"

वो भी क्या वक्ता था

थक कर भी न थका, खड़ा हूँ मैं।

वो भी क्या वक्ता था, सब तेरे सच थे,

ना जीतने की टेशन, ना हारने का गम था।

वो भी क्या वक्ता था! यारो की वो यारी,

टीचर्स की वो डाट, सीनिटर्स की फटकार

चार तरफ की पीठ टी.0, वो जगल में खोने का डर

पुर्न दिन का धका हारा शाम को बहुत मौज था।

ना करियर की टेशन थी, ना जिंदगी के फंसे थे,

वो भी क्या वक्ता था!

बड़े बड़े वो सपने, वो सारे लोग अपने थे,

ना जीतने की टेशन, ना हारने का गम था।

वो भी क्या वक्ता था!! (अनिश्चक)

~ Abhishek K. Singh
(B Pharam-2nd year)

जिन्दगी

डियर जिन्दगी, तू मिल, आ बैठ

थोड़ी गुस्ताखू कर, मुलाकात कर

बैठके कर, दो-चार बातें कर

थोडा राहों को, आजमा कर देख

मिल गोट के जिन्दगी जी कर देख

थोडा सा उस खुसनुमा पल को छू कर देख !!!

कुछ बातें बर्ना कर देख

तू मिल, आ बैठ

थोड़ी गुस्ताखू कर

जिन्दगी !!!

~ Vikash Kumar Mehta
(B Pharam-3rd year)



थक कर भी न थका, खड़ा हूँ मैं।

अपने हर हार को जीत में बदलने पर अडा हूँ मैं।

तु कैसे जितेगा मुझसे, मेरे परिचार का विश्वास है। मुझ पर,

दम है तो लड़ के दिखा तु मुझसे जित नहीं पायेगा।

मेरे बुलन्द हौसलों के सामने तेरा दम निकल जायेगा।

तेरे हर प्रहार के सामने पहाड़ बन के खड़ा हूँ मैं।

थक कर भी न थका, खड़ा हूँ मैं।

मेरी हिम्मत से ये तकदीर एक दिन जरूर बदलेगी।

मेरे आंगन में खिली धूप एक दिन जरूर निकलेगी।

ऐ काले बादल तु बरस तुझे सोप लेने की जिरद पर अडा हूँ मैं।

थक कर भी न थका, खड़ा हूँ मैं।

मैं तब हालांगा जब मेरा विश्वास मुझे हरायेगा।

मैं तब हालांगा जब हार जाने का डर मुझे सतायेगा।

तु कैसे जितेगा मुझसे मेरे दुर्जुगों का आशिवाद है। मुझ पर,

ऐ काले बादल तु बरस तुझे सोप लेने कि जिरद में खड़ा हूँ।

थक कर भी न थका, खड़ा हूँ मैं।

~ Anubhav Kumar Kannaujya
(B Pharam-1st year)

बेटी

अप्यापक

भैया होने ही तुमने मुझे नकारा था,
बेटी हुई है यही कह के पुकारा था,
युवा था बहुत उदास थे तुम,

बेटी हुई है इसलिए परेशान थे तुम,

अपने प्यार के लिए मुझे तरसाया था,

प्यार से तुमने कभी ना खिलवाया था,

बेटी थी इसलिए तडपया था।

औरों की तरह मैंने भी तुमसे प्यार चाहा,

पर माँ ने मुझे ये कह कर समझाया

“कि जो आपसे प्यार करते है वो दिखाते नही”

यकिन मानो मैंने उसे सब मान कर,

माँ को हंस कर गले लगाया था,

बेटी थी इसलिए तडपया था

साबली थी कभी तो अपने हाथों से खिलवाओगे,

दूसरों की तरह मुझे गले से लगाओगे,

बेटी नही बेटा केह के जुलाओगे,

पर हर बार तुमने मेरे दिल को दुखाया था,

बेटी थी इसलिए तडपया था।।।।

~ Pushpa Gupta
(B Pharam-1st year)

सिनियर

सिनियर बनने का है हमको अभिमान,

सब जूनियर हो जाते है सावधान,

दोस्त बट जाते है कई गुण में,

हर कोई रिखाता है नए गुक में,

सुबह खोज कांतेज को लेट आते है,

इन्जलत इतनी मिलती कि जिसको देखो मुस्कुराते है।

होश जब आता है तो चिल्लाते है।

अरे यार ये साठ नम्बर भी लागे मुश्किल हो जाते है।

फिर कहते है वल्लो अब Quantum आजागतो है।

~ Neha Singh
(B Pharam-2nd year)

ग हमारी Analysis की Class और अगला हमारी पहली मुलाकात व
Mole Concept से जुड़ना और Molar & Molar Mass से जुड़ना
Conductance से जुड़ना, उन सब को समझते हुए Borax Class को
interchange करना है। Acid base, redox reaction से लेकर oxidation
तक का सारा Class lecture video के साथ-साथ से भी
समझाया है..... Dr Mohit Singh Sir

वे हमारी Pharmaceutics की Class, अपनी और subject दोनों से
विलुब्ध अज्ञान, परचा मरान, prescription तक का सारा अज्ञान
आसानी से सब कराया है। उनके कभी solid, कभी liquid जो कभी
gaseous इन सब में अज्ञान न बहुत उलझना है थोड़ा-थोड़ा
कलके 1 घण्टे की lecture आपने हमसे बहुत सिखाया है, कभी
मस्ती कभी प्यार तो कभी-कभी डाँट हर तरीके से हमें समझाया
है, लेब में कभी करना नो lesson तो कभी Phewder बनवाया है
पुछने पर की use करते अपने Risk पर कतां हर बार यही बतलाया
है..... Mohd Ajli Siddiqui Sir

IPC की आपने हमारी मुलाकात और हमारे उठे-उठे से लज्जालत,
हमारी बज्जली से गुना-गत तो हमसे हर बरस निकलते घटते, फुलर
जाओ आपकी ये डाँट के पीछे पुजा आपकी या-मान weathers
miss your class को नती line with terms & conditions apply, तुम
पहुँचे और हम रहे इन बात से हमारे दिल का होता रहा है.....
After B Pharam we missed you a lot man..... Ganma Wazakh Man

हमारी Communication की वरस English man की class students से
पहली मुलाकात, उनकी cure वाली smile और हमारे दिल का सुरा
होता हमें हमेशा याद होती है उनकी हर एक class को आपके बनने
के अज्ञान में लेके आपसी प्यार वाली डाँट "That's why you are
always in our heart" Communication की वरस ने आने के
जगयाया है कभी live example तो कभी Personal experience के साथ
पढ़ाया है Communication की वरस ने आपने हमें बहुत कुछ सिखाया
है..... Manjeet Kaur Man

वो H.A.P की वरस आपसे अज्ञान पर Bio से हमारा प्यार हम दोनों
को मिलता है.

Cell Chapter is smart पर cur के अजीब-गरीब diagrams को आपके
पढ़ाने का style कभी हिंदी, कभी english तो कभी Bole Hand देखी
Hand से Hand word, बोली-बोली करके रटाया है कभी Logic, तो
कभी magic दिखा आपने हर chapter हमें easily समझाया है, आपने
Professional के साथ-साथ हमसे Personal रिश्ता निभाया है। खुद
को हमारा teacher कम Guardian ज्यादा बताया है..... Dr. Amit
Kishor Srivastava Sir

Pushpa Gupta
(B Pharam - 1st year)

National Seminar



Dr P. P. T. I. E. G. @ M. S. K. N. N. N.

Teachers Day Celebration



List of Faculty

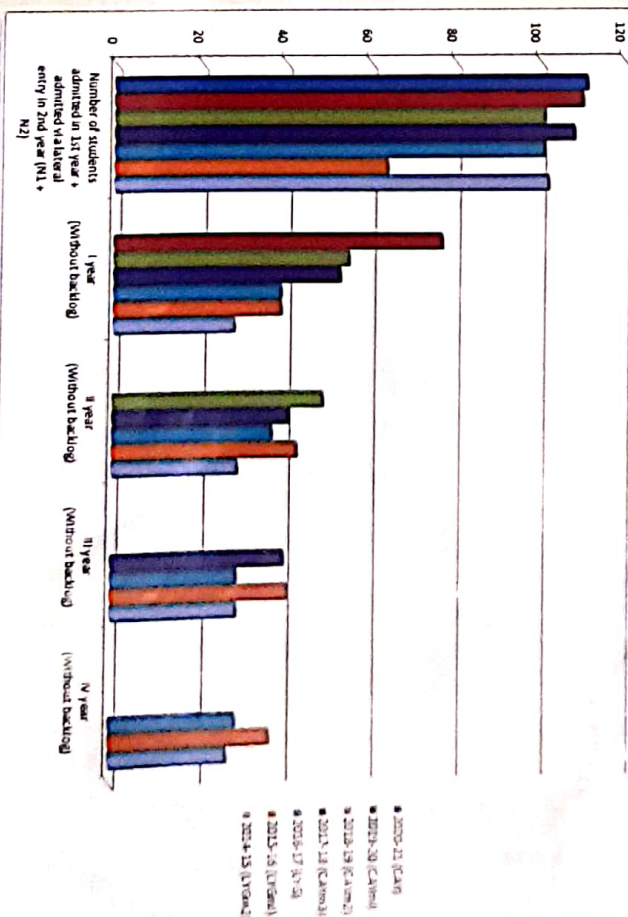
S.No.	Name	Qualification	Specialization	Designation
1	Dr. Sanjayan Singh	M.Pharm and Ph.D	Pharmaceutical	Professor
2	Dr. Amresh Gupta	M.Pharm and Ph.D	Pharmaceutical science	Professor
3	Dr. Rohit Mahan	M.Pharm and Ph.D	Pharmaceutical science	Professor
4	Dr. Anil Kishor Srivastava	M.Pharm and Ph.D	Pharmaceutical science	Associate Professor
5	Dr. Anjali Singh	M.Pharm and Ph.D	Pharmacy	Associate Professor
6	Dr. Kavita Shanker Shukla	M.Pharm and Ph.D	Pharmaceutical science	Associate Professor
7	Dr. Prat Verma	M.Pharm and Ph.D	Pharmaceutical science	Associate Professor
8	Dr. Rohit Singh	M.Pharm and Ph.D	Pharmaceutical science	Associate Professor
9	Mr. Ajay Kumar Verma	M.Pharm	Pharmaceutical chemistry	Assistant Professor
10	Mr. Anil Kumar Nigam	M.Pharm	Pharmaceutical chemistry	Assistant Professor
11	Mr. Sallit Tiwari	M.Pharm	Pharmaceutical chemistry	Assistant Professor
12	Mrs. Geeta Arasthi	M.Pharm	Pharmaceutical chemistry	Assistant Professor
13	Mr. Bhuvanesh Pratap Singh	M.Pharm	Pharmaceutical chemistry	Assistant Professor
14	Mr. Devendra Singh	M.Pharm	Pharmaceutics	Assistant Professor
15	Mr. Mond Aqil Siddiqui	M.Pharm	Pharmaceutics	Assistant Professor
16	Mr. Nilesh Kumar	M.Pharm	Pharmaceutics	Assistant Professor
17	Mr. Partho Dubej	M.Pharm	Pharmaceutics	Assistant Professor
18	Mr. Surendra Tripathy	M.Pharm	Pharmaceutics	Assistant Professor
19	Mrs. Namraza Singh	M.Pharm	Pharmaceutics	Assistant Professor
20	Mrs. Shivangi Paliwal	M.Pharm	Pharmaceutics	Assistant Professor
21	Mrs. Sonali Gupta	M.Pharm	Pharmaceutics	Assistant Professor
22	Mrs. Swarnima Pandey	M.Pharm	Pharmaceutics	Assistant Professor
23	Mrs. Arshi	M.Pharm	Pharmaceutics	Assistant Professor
24	Mr. Om Prakash Verma	M.Pharm	Pharmacognosy	Assistant Professor
25	Mrs. Mamta Pandey	M.Pharm	Pharmacognosy	Assistant Professor
26	Mr. Mohammad Zahid	M.Pharm	Pharmacology	Assistant Professor
27	Mr. Gulab Chandra	M.Pharm	Pharmacology	Assistant Professor
28	Mr. Jayanti Singh Bhardwaj	M.Pharm	Pharmacology	Assistant Professor
29	Mr. Malay Kumar Choudhary	M.Pharm	Pharmacology	Assistant Professor
30	Mr. Raju Gaudam	M.Pharm	Pharmacology	Assistant Professor
31	Mr. Shrawan Kumar Paswan	M.Pharm	Pharmacology	Assistant Professor
32	Mrs. Anamika Kulkarni	M.Pharm	Pharmacology	Assistant Professor
33	Mrs. Neelam Verma	M.Pharm	Pharmacology	Assistant Professor
34	Ms. Pragati Singh	M.Pharm	Pharmacology	Assistant Professor

Enrollment Data For Current & Last Six Year

Enrollment Data For Current & Last Six Year

Item	2020-21 (CAY)	2019-20 (CAYm1)	2018-19 (CAYm2)	2017-18 (CAYm3)	2016-17 (CAYm4)	2015-16 (CAYm5)	2014-15 (CAYm6)
Sanctioned intake of the program (N)	100	100	100	100	120	120	120
Total number of students admitted in first year (N1)	111	106	100	101	100	86	100
Number of students admitted in 2nd year in the same batch via lateral entry (N2)	0	4	1	7	1	4	2
Total number of students admitted in the programme (N1 + N2)	111	110	101	108	101	64	102

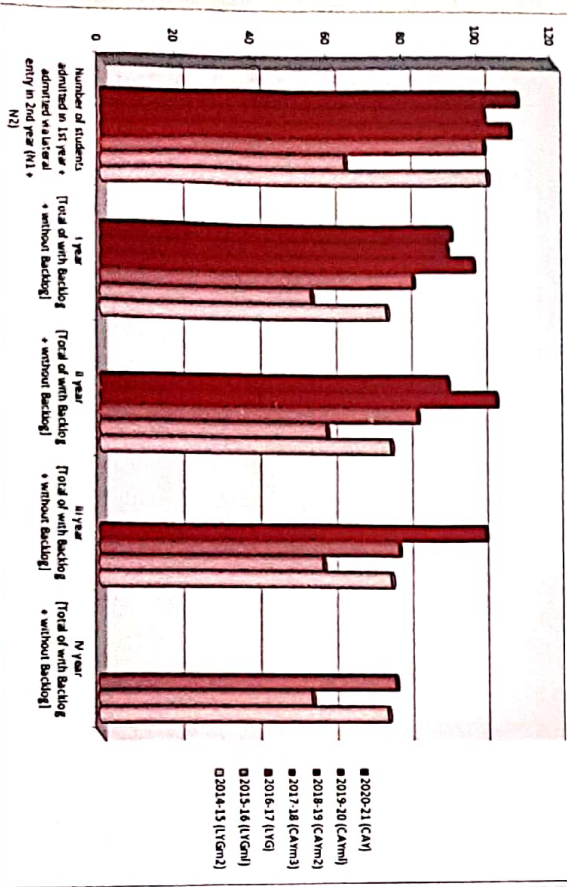
Graduated without Backlogs



Number of Students who have Successfully Graduated in Stipulated Period of Study (Total of with Backlog + Without Backlog)

Year of entry	Number of students admitted in 1st year + Number of students admitted via lateral entry in 2nd year (N1 + N2)	Number of students who have successfully graduated without backlogs in any year of study (Without backlog means no compartment/failure in any semester/year of study)			
		I Year	II Year	III Year	IV Year
2020-21 (CAY)	111				
2019-20 (CAYm1)	110	92			
2018-19 (CAYm2)	101	91	91		
2017-18 (CAYm3)	108	98	104	101	
2016-17 (LYG)	101	82	83	78	77
2015-16 (LYGm1)	64	55	59	58	55
2014-15 (LYGm2)	102	75	76	76	75

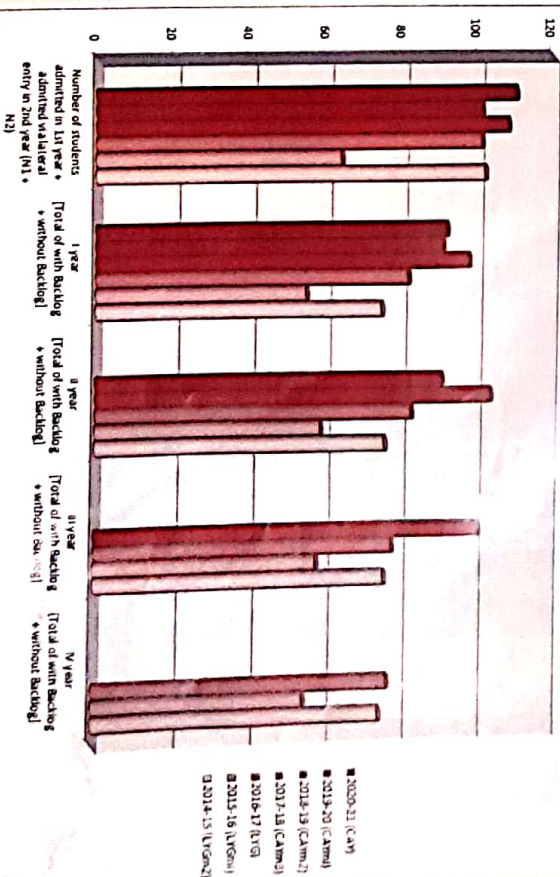
SUCCESS RATE IN THE STIPULATED PERIOD OF THE PROGRAM (Successfully Graduated)



Number of Students who have Successfully Graduated in Stipulated Period of Study (Total of with Backlog + Without Backlog)

Year of entry	Number of students admitted in 1st year + Number of students admitted via lateral entry in 2nd year (N1 + N2)	Number of students who have successfully graduated without backlogs in any year of study (Without backlog means no compartment/failure in any semester/year of study)			
		I Year	II Year	III Year	IV Year
2020-21 (CAY)	111				
2019-20 (CAYm1)	110	92			
2018-19 (CAYm2)	101	91	91		
2017-18 (CAYm3)	108	98	104	101	
2016-17 (LYG)	101	82	83	78	77
2015-16 (LYGm1)	64	55	59	58	55
2014-15 (LYGm2)	102	75	76	76	75

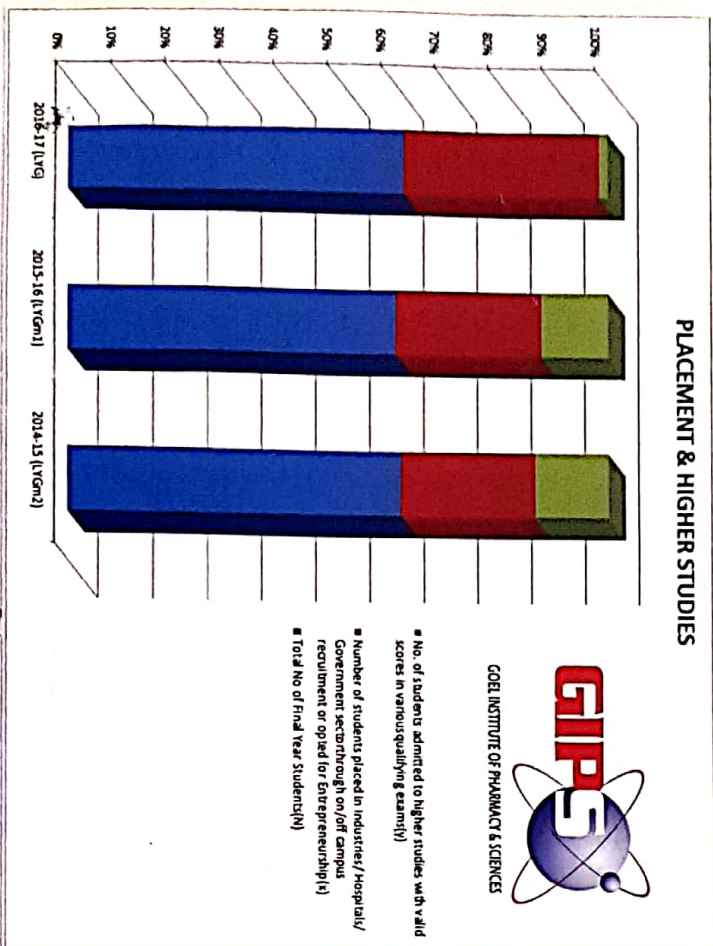
SUCCESS RATE IN THE STIPULATED PERIOD OF THE PROGRAM (Successfully Graduated)



Placement Data Last Three Year

Item	2016-17 (LYG)	2015-16 (LYGm1)	2014-15 (LYGm2)
Total No of Final Year Students (N)	78.00	58.00	76.00
Number of students placed in Industries/ Hospitals/ Government sector through on/off campus recruitment or opted for Entrepreneurship(x)	46.00	25.00	31.00
No. of students admitted to higher studies with valid scores in various qualifying exams(y)	2.00	12.00	17.00
Placement Index $[(X + Y)/N]$:	0.62	0.66	0.63

PLACEMENT & HIGHER STUDIES



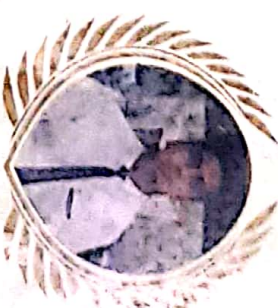
Our Toppers



Mahima



Juhi Agarwal



Sonu Gupta



Sandeep Singh



Mintoo Rawat



Amrendra B Singh



Partosh Dubey



Govind Yadav



Sagar Singh



**Goel
Institute of Pharmacy & Sciences
Lucknow**

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