

# JIT NEWSLETTER EXPLORE

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## IMPORTANT DAYS

8<sup>th</sup> Aug

Muharram

11<sup>th</sup> Aug

Raksha Bandhan

15<sup>th</sup> Aug

Independence Day

19<sup>th</sup> Aug

Janmashtmi

## 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

**'Death With Dignity Is Better Than A Life Of Humiliation!' -Hazrat Imam Husain Ibn Ali**

'Death with dignity is better than a life of humiliation!' -Hazrat Imam Husain ibn Ali

Every year, 10<sup>th</sup> of Muharram, the first month of the Islamic calendar, is observed as the remembrance of the great tragedy which took place on this day, in the year 680 AD/61 AH. On this day, the grandson of Prophet Mohammad (PBUH), and son of his daughter Fatima, and Ali, sacrificed his life and that of his close family members and companions, on the land called Karbala in present day Iraq. His burial place is marked by a beautiful shrine in Karbala, where many people visit every year particularly in Muharram, to pay their tribute to the martyr, who resisted, and opposed the ruler of the time, who was doing many things against the principles of the Quran, and the teachings of his grandfather, the Prophet of Islam. In this process Imam Husain had to face many hardships, but he did not submit to the demands of the ruler. He was killed along with his companions, but his memory is still alive in the minds of people from all walks of life, across different religions. People remember him for his stand for truth and justice, and fearlessness to speak truth, and resist the oppressor. He stood for dignity and honor of human life, as stated in the Quran, and the teachings of the Prophet. No one can show disrespect to human life and nobody can humiliate other human beings. Killing of innocent people is forbidden in all religions, including Islam.

In our country India, too, the story of Imam Husain is alive in the memory of its people across classes and religions. The remembrance of the story of Karbala is deep rooted in minds, and is not restricted only to the followers of Islam. It is the legacy of the remembrance of Karbala that it has brought together people of different beliefs, across the world, and we find 'Husaini Brahmins' in this country, who love and revere Imam Husain, and like many others, revive the memory of Karbala every year in Muharram. Similarly, the Maratha rulers of the princely state of Gwalior patronized Muharram, and the famous Rani of Jhansi was among those who made special arrangements for remembrance of the sacrifice of Imam Husain at Karbala, in Muharram. A Tazia, or the replica of the shrine of Imam Husain, is still taken out from the royal palaces of Gwalior and Jhansi, a testimony to the composite culture of our country.

## FROM THE DEPARTMENTS

 **MS. PRATIBHA GAUTAM**  
ASSISTANT PROFESSOR, FOP

### Women Empowerment

India contributes to 50% of the world's population but India has shown a disproportionate sex ratio whereby the female population has been comparatively lower than males. As far as their social status is concerned, they are not treated as equal to men, unlike in western societies. Gender equality is not only a fundamental human right but also a necessary foundation for a peaceful, prosperous and sustainable world. Women empowerment can only be achieved by promoting education among women and increasing their literacy rate. "It is said that if you educate a man, you educate only one man, but if you educate a woman you are educating a whole family". If a woman is educated then she will educate her entire family to make her whole family cultured. If girls are educated then they will become self-sufficient and their reliance on men will be less. For this reason, men's supremacy in the male dominant society will be reduced. When women are financially strong by themselves, they will be less likely to suffer as they have to depend on men that are why they are being oppressed. When women do not depend on men, then men will not be able to do so much injustice to them. In this way, education can act as a shield against oppression like workplace harassment of women. There are so many cases of rape, kidnapping of girls, dowry harassment, and so on. A mother is the first guru of the child and if the mother is educated then she can give good education to the child too. The more women in a society will be educated; the society will likely to be more cultured. To sum up, women empowerment cannot be possible unless women come up to self-empower themselves by reducing poverty and promoting the education of women.

 **MR. ZAHID HUSAIN**  
ASSITANT PROFESSOR, FOP

### Telepharmacy

The use of information and telecommunication technologies has expanded at a rapid rate, which has a strong influence on healthcare delivery in many countries. Rural residents and communities, however often lack easy access to healthcare services due to geographical and demographical factors. Telepharmacy, a more recent concept that refers to pharmaceutical service provision enables healthcare service, such as medication review, patients counseling and prescription verification by a qualified pharmacist for the patients located at a distance from a remotely located hospital, pharmacy or healthcare center. Telepharmacy has many recognizable benefits, patient satisfaction as a result of medication access and information in rural areas, effective patients counseling and minimal scarcity of local pharmacist and pharmacy services. Inherent to the adoption of these practices are legal challenges and pitfalls that need to be addressed. The start-up of telepharmacy (hardware, software, connectivity, and operational cost) involve considerable times, effort and money. For rural hospital with fewer patients the issue of costs appears to be one of the biggest barriers to telepharmacy services. Moreover execution and implementation of comprehensive and uniform telepharmacy law is still a challenge. A well-developed system however can change the practice of pharmacy that is beneficial to both the rural communities and the hospitals or retail pharmacies that deliver these services.

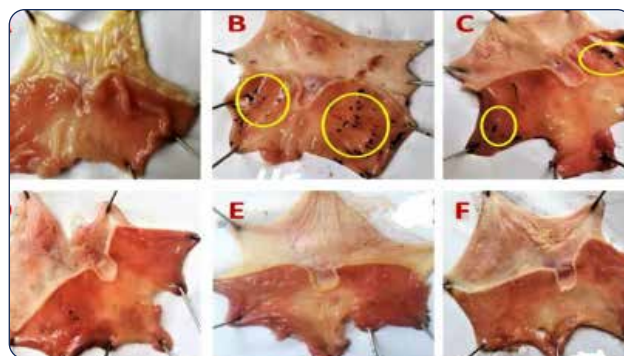
 **MR. MOHD VASEEM**  
ASSISTANT PROFESSOR, FOP

### Effect of Hydro-Alcoholic Extract of *Polygonum bistorta* Linn Root in Indomethacin Induced Gastric Ulcers in SD Rats

**Objective:** Gastroprotective effect of hydro-alcoholic extract of *Polygonum bistorta* Linn root (HEPB) was investigated in indomethacin-induced gastric ulcer in Sprague Dawley rats.

**Background:** *Polygonum bistorta* has been used as hemostatic drug in Unani system of medicine due to its cold and dry temperament.

**Methods:** The rats were grouped into six groups each consisting of five rats. Group-I, group-II, group-III, group-IV, group-V and group-VI rats received 1 mL/kg/day 1% carboxymethyl cellulose (CMC), 1 mL/kg/day 1% CMC, 500 mg/kg/day HEPB, 1000 mg/kg/day HEPB, 20 mg/kg/day ranitidine and 1000 mg/kg/day HEPB per oral (po) respectively for 10 days. Further, rats of all groups except group-I and group-VI were administered with 20 mg/kg b.wt indomethacin po on eleventh day. Then, rats were sacrificed, stomach was opened, and ulcer index was calculated. Mucus barrier and histopathology was determined. Rest of stomach was homogenized in buffer to evaluate antioxidant parameters thiobarbituric acid, catalase and superoxide dismutase (SOD).



Rats stomach. [A]. Normal control group-I. [B]. Ulcer control group-II. [C]. Extract treated-500 group-III. [D]. Extract treated-1000 group-IV. [E]. Standard drug treated group-V. [F]. Per se group-VI (yellow circle denoting gastric ulcer).

**Results:** HEPB in group-III and group-IV significantly ( $p < 0.01$ ) and dose dependently increased the levels of mucus, SOD and catalase while, decreased ulcer index and thiobarbituric acid reactive substances compared to that of ulcer control group-II. Histopathological findings showed that indomethacin treatment caused gastric ulcer while; HEPB treatment protected them from indomethacin-induced ulcer. Ulcer protection potency of HEPB 1000 mg/kg/day in group-IV was comparable to that of 20 mg/kg/day ranitidine in group-V.

**Conclusion:** HEPB protected stomach from indomethacin-induced gastric ulcers in rats by prevention of induced muco-oxidative stress. Thus, HEPB possesses gastroprotective effect against indomethacin-induced gastric ulcers in rats.

# STUDENT'S CORNER

 ANJALI YADAV  
DCSE III

## HOW TO MAKE WOMEN FEEL SAFE

Women are facing many problems in the society. Cases of domestic violence ,rape , molestation etc. are not limited to the metros only but are also in the villages . Women are unsafe everywhere .Even in public places there is a lack of women safety .Government or police alone can not solve this problem.



This is the problem of the nation and every citizen of should solve it. There is an urgent need to change the mindset and attitude towards women. Women ask for no mercy. They want justice and equality .We can not have different values and standards for our sister ,mothers and members of our families and different values for other women .Every women is someone's sister or mother .His person and character need to be protected and respected .She is an equal partner of man in all walks of life and therefore should be treated accordingly .Let us not forget the old adage that a gentleman is identified by his attitude towards women.

 AMIT KUMAR  
B.PHARM I

## DISCIPLINE

Right meaning of discipline is rules that a person learns to live life in a good way. Discipline is an important part of our life, without discipline our life is incomplete. A person is well educated but without discipline he is as like a van without wheels. We learnt discipline first of all from our home and school. A disciplined person is always one who keeps his



behavior positive in any situation. A disciplined person never fails, but he never leaves to make efforts. A disciplined person talks to others in good tone, calmly. Discipline is very important in student life and every field. A disciplined person is always ready for help everyone. Therefore, discipline is also called the key of success. Every problem can be solved with discipline. They are always active and alert for every work and in every situation. A disciplined person makes optimum use of his time. People should work hard and manage their time to achieve their goals. A disciplined person always does his work properly. Every person and student should have discipline.

*Discipline is the supplement of hard work.*

 MANAS SHARM  
D.PHARM I

## THE CRICKET AS A THERMOMETER

Do you know that we can find out the temperature with the help of cricket (an orthopteran insect)? Let's see how, Crickets chirp by rubbing their wings over each other. Yet it is only the males of the species that make this noise - they do so to attract mates. The notion that counting the chirps of cricket can serve as



aninformal way of working out the temperature is not new. It was originally formulated in 1897 by physicist (Amos Dolbear) in an article called "The cricket as a Thermometer". Dolbear originally stated that the outdoor temperature determines the number of cricket calls one would hear. The rate of chirp seems to be entirely determined by the temperature and this to such a degree that one may easily compute the temperature when the number of chirps per minute is known.

Thus at 60°F, the rate is 80 per minute.

At 70°F, the rate is a minute, a change of four chirps a minute for each change of one degree.

Below a temperature of 50° the cricket has no energy to waste in music and there would be but 40 chirps per minute.

One may express the relation between temperature and chirp rate thus,

Let T, stand for temperature and N, the rate per minute

$$T=50+(N-40/4)$$

For example,

When the concert of cricket is 100 per minute, what is the temperature

$$T=50+(100-40/4) =65^{\circ}$$

 MOHD SAMEER  
B.TECH II



# STUDENT'S CORNER

 **MOHAMMAD MUDASSIR**  
B.TECH III

## SOCIAL AWARENESS

The definition of social awareness is fairly abbreviated, it's a basic skill that develops significantly throughout childhood. In fact, most people acknowledge that being 'socially aware' is something that continues with adult life; as we are introduced to new information and experiences that require us to understand the views and standpoints of others. The concept of social awareness is fairly simple; it is the ability of a person to consider the perspectives of other individuals, groups, or communities, and apply that understanding to interactions with them.



### Now a days social awareness is very important for every individual

As we grow, social awareness skills and societal awareness helps us to understand how one fits into and contributes to the community and the world, as well as how we get what we need from the world. Social awareness skills will help us understand professionalism in the workplace, as well as making it easier to share information, communicate, and collaborate with others. From a personal point of view, social awareness is a fundamental part of creating friendships and relationships - helping us to lead happy and fulfilled lives. Although social awareness is still developing during a child's school years, it's a vitally important skill to foster in children - not only because of the lifelong implications but also help them and others get the most out of their education. Social awareness is important in schools because it is crucial to train people from their early years to practise empathy and develop effective communication skills so that they may be good citizens of the society. As it may not be possible for parents to monitor their child for twenty four hours a day due to their busy and fast job schedules and work deadlines, the school becomes an important place to train children to practise social awareness. For parents it may also be difficult to understand where their child lacks or what weaknesses they have in regards to social awareness practices due to a biased viewpoint of their offspring being perfect in their eyes. In schools, all the children are treated equally and are imparted the right training that they need as per their age group.

A person who practices social awareness learns to stand up for the rights of the people around them. They learn to defend the people who have been wronged and are strong contenders of justice.

With the increasing competition in every field, the average students find it hard to cope with the the emerging challenges. A large number of suicides in India is committed by the students. It's so because they don't get the desired marks or they are not able to qualify the competitive exam. They want to succeed. Often, there is lack of communication between the family and the teachers. The student don't find anyone for help while they were going through the hard turmoil in their life. The rapidly increasing suicide rate can only be controlled if the family members, the teachers, and the government recognize their work. The family member have to understand that each and every child is created differently and every child is different from the other in an unique way. They have to stop comparing the child with the other people without thinking. They need to keep on encouraging their child, and remove all the communication barrier and have an open conversation.

The governments should also take this matter seriously as large number of student commit suicide. They lose some bright student who might be the future of the country. The government should make mandatory the counselling classes in school and collages, so that the student doesn't feel left out. At least, they should know what to do in challenging circumstances.

The teacher also should develops an open conversation with the students, and they should educate children about the other fields that they may go into. They should treat all the students as equal. They should be available to the students if they want any help in their personal or professional matters.

At last the student who thinks of committing suicide should understand failure in a particular subject or field, or not getting the so called 'dream college', is not the end. It's just the beginning to recognize their potential and do more hard work than before, or try in a different field and be the master of that field, and do the work that others are not able to do in that field. Remember Sky is never the only limit for those who identify their potential, and NEVER GIVE UP!

 **FAISAL MUSTAQUE SIDDIQUI**  
B.PHARM I

## SUICIDE : DEFINITELY ITS NOT A SOLUTION

Suicide! The word which has become a common term nowadays. The world is advancing rapidly so does the problems in our daily life, but the generation which is coming is not competent to combat the problems. So the only way they find is to commit suicide to solve all the problems, but suicide is not a solution for their problems.



 **MOHD SAMEER**  
B.TECH II



## EVENTS



### A VISIT TO JIT CAMPUS

The JIT Lucknow Center, Hazratganj, Lucknow, conducted a visit of trainees under Skill Development Program, run by the Govt. of India, to the JIT Campus, Jahangirabad, on July 2, 2022. This visit aimed at making students acquainted with technical equipment in labs of different Departments. The visit was organized by the Head of the Lucknow center, Mr Mohd. Imran. Dr A.K.Mishra, Principal JIT presided over the event, and addressed the students. The students of Media, Plumbing, Electrician, etc., were delighted to see the labs of these Departments. willingness to participate in Collage Debates in future.

