

# JIT NEWSLETTER **EXPLORE**

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## UPCOMING EVENTS



World Health Day



World Homeopathy Day



Dr. Ambedkar Jayanti



Mahavir Jayanti



Jumat-ul -vida

## 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.

## FROM THE DEPARTMENTS



TAUHEED ALAM KHAN

ASSISTANT PROFESSOR, CE

### Modern Racism

When one thinks of the word 'racism', the first thing that probably pops in their head is the picture of a race with blatant superior feelings, oppressive behavior, disregard and brutality against a comparatively minority race, one might even go to the extreme and bring to mind all the possible atrocities that have been witnessed throughout history against such races. With the era of modernization and growing concern with feelings of equality, justice, and rights for all human beings, one might be convinced that the picture is not as bad as before.

While constructive steps have been taken in the direction of equality for all races, whether such equality is really true or discrimination is just latent and hidden perfectly underneath the blanket of 'modern racism', is hard to say. Many social psychologists believe that 'old fashioned' racism has now been replaced by more subtle forms which may include concealing such prejudices in social situations in an attempt to seem "color-blind" and in-fact even refusing to acknowledge race in order to appear not-racist! Although these characteristics might make us label such a person as a typical hypocrite, it is important to understand before reaching to such conclusions that such attitudes are actually quite implicit and a person might not even be aware of holding them!

Of course, it does not mean that we plainly ignore serious crimes being committed by labeling the motives behind them to be implicit, I simply mean to draw the attention of the reader away from the mainstream bigots that are usually the highlight of committing racial discrimination, and more towards one's own self and our own attitudes and beliefs that we might or might not be aware of, in the hope that we are able to alter them for the good.

# FROM THE DEPARTMENTS

## MD ASIF

ASSISTANT PROFESSOR, FOP

### Antioxidant characterization of new dietary fiber concentrates from papaya pulp and peel (*Carica papaya L.*)

Residues of papaya pulp and peel were used to produce dietary fiber concentrates (DFCs) by treatment with ethanol and microwave drying. The fiber showed antioxidant capacity. Phenolics, carotenoids and ascorbic acid were detected. Chromatographic analysis allowed the identification of five phenolic compounds: protocatechuic acid hexoside, manghaslin, quercetin 3-O-rutinoside, caffeoyl hexoside and ferulic acid. Likewise, lutein, zeaxanthin, β-carotene and β-cryptoxanthin were identified and quantified by HPLC. Finally, an analysis of digestibility showed that about 65% of the polyphenols associated to pulp and peel DFCs were potentially bioaccessible in the small intestine and that the portion of indigestible fiber had antioxidant capacity. The DFCs produced have the capacity for acting as a functional ingredient of application in the food industry, for helping to prevent the oxidation of lipids or also to meet the demand of the food market concerning the development of food with health protection capacity.

#### The biological properties of antioxidants:

The biological properties of antioxidants depend on their ability to react with free radicals and develop reductive capacity, while bioavailability depends on their capacity to be released from the food matrix during digestion or colonic fermentation. Polyphenols, carotenoids and vitamin C are the antioxidants that commonly have been reported to be present in tropical fruits and are also associated with antioxidant activity. The determination of antioxidant capacity has been proven to be a useful tool for measuring the quality of food in relation to health. Papaya is a fruit widely cultivated in the world, especially in tropical regions. Besides, it is highly appreciated due to its nutritional value, its sensory characteristics and digestive effects.

In the market, there is an increase of products derived from papaya, both in the food and in the cosmetic industry. Therefore, there is an important quantity of by-products with great potential to be exploited coming from peel or pulp. The extraction of dietary fiber might be a good way to give use to these materials while generating innovative products for the food and ingredient industries. The aim of this study was to determine the antioxidant properties and content of dietary fiber concentrates (DFCs) obtained from papaya (*Carica papaya L.*) pulp and peel and to evaluate the content of bio-accessible polyphenols in the small intestine and their antioxidant activity after an in vitro digestibility analysis.

#### Application and use of Papaya peels:

In food and cosmetic industries

As an antioxidants & Antimicrobial

## ANAND VERMA

ASSISTANT PROFESSOR, B-COM

### Truth of Life

You don't know what people are going through in life,  
The sadness which they hide behind their eyes,  
Sometimes they wonder if letting go would be fine.

For them surviving is a battle which they fight every night,  
There is no magic pill to healthier pain,  
It gets difficult to even inhale.  
This life has been really unkind to them.  
There is nothing they would do to be whole again.  
Their pillows know the truth of their pain  
With each tear flows from their eyes.  
They know the true meaning of life.

This is what I have been saying to myself for the past 6 years,  
That one day you will be proud that you didn't give up,  
When everyone didn't believe in every word you said.  
They don't know what it takes the castle on the hill to sometimes walk alone.

So imagine about that day when your soul will feel liberated,  
So be kind towards yourself when the world is not,  
In the end that is all we have got.

## DIVYA MISHRA

ASSISTANT PROFESSOR, B-COM

### If Life Is Commerce, then.....

- 1.Birth : Opening Balance
- 2.Parents : Fixed Assets
- 3.Family : Current Liability
- 4.Brain : Fixed Deposit
- 5.Heart : Current Account
- 6.Friends : General Reserve
- 7.Behavior : Goodwill
- 8.Study : Investment
- 9.Love : Bad Debt \ Suspense Account
- 10.Relatives : Revenue Expenditure
- 11.Age : Depreciation
- 12.Death: Closing Balance.

## STUDENT'S CORNER

### AMINA KHATOON D.PHARM-I

#### Let's Run Technically For a Better Future

Education brings about change and helps the members of a society to improve their lifestyle. It is not only a means of earning a living but also a process of enhancing one's skills to live a satisfied and meaningful life.

At the dawn of independence India had a literacy rate of 18.53%. In 2011 that increased to 74.4%.

In order to know the educational data of Indians according to 2021 statics, the literacy rate amongst the males and females are 82.14% and 65.46% respectively. But the employment rate is only 37.6% for males, and for females it is only 19%. I really think that it is because of poor response to awareness about importance of education which is necessary for every member of the community. Added to these, we must remember that most of our young children are neither aware of importance of technical education nor is there any scope of vocational education. We must recognize that this education alone will not only provide fruitful jobs, but raise economic conditions and save the community from abject poverty and frustration of life.

Quality education is the creativity which helps to research and development for the benefit of mankind in such case the technical education satisfies the criteria.

In today's competitive world it is imperative that we must prepare our children with quality teaching under a secular and nationalistic atmosphere. It is because quality education undoubtedly is a measure of quality that will instill greater stimulation and prove charismatic, in boosting the performance of our students to an impressively competitive level.



### FAISAL MUSTAQE SIDDIQUI B.PHARMA-III

#### Spring Season:the Season of Hope

The northern part of the earth is quite far away from the sun for few months, and starts to come closer to it. We are blessed to belong to the tropical country named India where we experience all type of seasons, not long ago we were experiencing the chilled weather in almost every part of our country where everything seemed to be cold, drowned in fog, every night seemed to be more colder than the previous one , not only the human but all the livings beings felt that cold and thought that this was never going to end. But the Creator has a different plan. He rotates the earth slowly and steadily and the blanket of winter starts to disappear fast, and we started experiencing the season of hope what we call as spring season. The spring season came to remind us what God can do with the drab and lifeless earth.



As we came out of the blanket season we started to see the plants, which looked to be barren and dreadful, bearing flower and the environment around us has started to blossom and is filled with fragrance, the birds start chirping, most animals start giving birth to their new babies, which fills the environment with joy. The leaves start to grow and suddenly the plants that seemed to be dead started to blossom and look prettier as never before, not only the plant but the whole environment start to blossom as if there was no winter few days back.

Spring season not only comes with the joyful environment but it also comes with a very great lesson for the whole mankind. That when everything seems to end, nothing goes in your favour and life seems to be dead and drowned in a pit-hole from which you think that you will are never going to come out and you are at the verge of giving up. Spring season gives the message to us to hold on to situation, and have faith in GOD the One who makes the dead earth to blossom, can turn your bad days into good days in the blink of an eye, and your life will start to appear beautiful as never before.

### ASHAB AHMAD SIDDIQUI B-TECH-IV CE

#### Is dissipation of power important?

Taking too much load on oneself is often harmful.

Any organization is run generally by two methods : Capitalism and communism.

The boss or a group of investors owns the workplace and a group of managers or directors set all the rules that govern it. There is no democracy within the company. Dictators always oppress and suppress the people. Or even promote their own favorites and interests.

Whereas communism refers to a social system in which a country's/organisation's trade and industry are controlled by the community and the share of each individual relies on his ability and needs. The powers are respectively divided according to their post.

When the powers are divided, the lower most members of the organisation can reach their respective department and get their issue solved in time but in case of single power the lowest unit has to reach the top most for a small issue which increases the load on the leader as well as it kills a lot of time.

So what's your view on this ....?



### MOHD FAIZ B.PHARMA-I



# STUDENT'S CORNER

## MOHD. KASHAN ANSARI B.PHARMA-I

### MOBILE PHONES IN OUR DAILY LIFE

Mobile phones are a huge invention of technology. It has made human life very easy. Most of the people keep a cellphone with them to stay connected with the rest of the world. It is easy to access the internet on a mobile phone. It can be a way to improve education, business, and the medical industry. There are many good sides to mobile phones. But there are tons of bad sides too. Let's take a look at some advantages and disadvantages of mobile phones.



### MERITS:

- It connects the entire world in the same line. It's possible to communicate with anyone anywhere in the world by cellphone. And because of this communication progress, the business has been easier worldwide. People can find important things on Google easily.
- A survey says 55% of adults keep a cellphone with them to access information when they need it. The Use of the internet has risen after the invention of the mobile phone. It is a small, portable, and affordable device. Anyone can get a mobile phone to get connected with the rest of the world.
- That's why almost everyone has one cellphone now. Education has gone to a new level. Students can learn their lessons in a mobile phone different types of apps that are available in the app store. It is improving the way of life.
- To get entertainment, people don't go to the cinema hall anymore. It's possible to watch newly released movies on your mobile phone with 'Netflix', and 'Amazing Prime Video'. The entertainment has been so affordable and easy.

### DEMERITS:

- Including all these good sides, there are many bad sides too. It creates a distance between you with your parents, friends, and relatives, etc. People get too distracted with too much using mobile devices. It happens mostly for the people who play too many video games or use too much social media.
- Sometimes it is a waste of time, money, and energy when we don't use it in the proper way. It causes many health problems. And finally, as a student you can face a huge study loss. Some applications steal data from your phone and that could be a risk.

Students who want to come next year in JIT, and if they are reading my article, I would like to tell from my personal experiences, that come to JIT. Here you will find many good experienced teachers, who listen to your problems and make every effort to solve them. It has a very big and beautiful campus.

JIT not only has good studies but also has many sports and festivals. And now I feel very comfortable in JIT and I am trying to give my full attention to studies.

## MOHAMMAD RAZA B-TECH - ICSE

In a developing country like India, about half of its population is illiterate. The campaign 'Education for All' has so far remained a distant dream. India produces the best of doctors and engineers in the world.



But still India remains an educationally backward nation. It is a shocking contrast. The reality bites everyone. Recently many organizations have come forward with the idea of 'Education for All'. The central and state governments have woken up rather lately. Even China, Malaysia and other developing nations of Asia have higher literacy than India. The evil practice of the child labour continues unabated. The Mid-day meal programme hasn't proved to be a great success.

The team infrastructure is comprehensive and there are number of aspects that are included in Jahangirabad Institute of Technology. These include Playgrounds, library facilities, laboratories computer centers, technology Machinery tools, equipment and so forth. Well equipped labs encourage students to perform lab activities more effectively. It prompts students to translate their Theory learning into practical results. Having a well planned and designed lab can avoid clutter and provide space to students to store materials conveniently. The Playground of Jahangirabad Institute of Technology is another vital component of Educational infrastructure. It contributes to the physical and mental wellness of a Student.

The campaign 'Education for All' needs to be made a reality. Many social, cultural and voluntary organizations can play an important role in translating this dream into reality. Education and economic growth go hand in hand.

The 'Open Schools' have proved very successful and useful in this respect. They need to be popularised especially among the villagers and economically weaker sections. School education should be made compulsory and free. Only universal and purposeful education can lead India to the high road of progress and prosperity.

## MOHD FAIZ B.PHARMA-I

I was a little nervous when I came to JIT to take admission in Pharmacy, after passing Intermediate because this was my first new experience in college. When I came to attend class, I was a little scared because I don't know what kind of atmosphere it is, how are the teachers? Going to another college for the first time feels a little lonely. By the end of the first day I made some new friends. I saw that there are many experienced teachers who understand very carefully, and they removed all my fears.



## MOHD AMAAN D.PHARM - II

