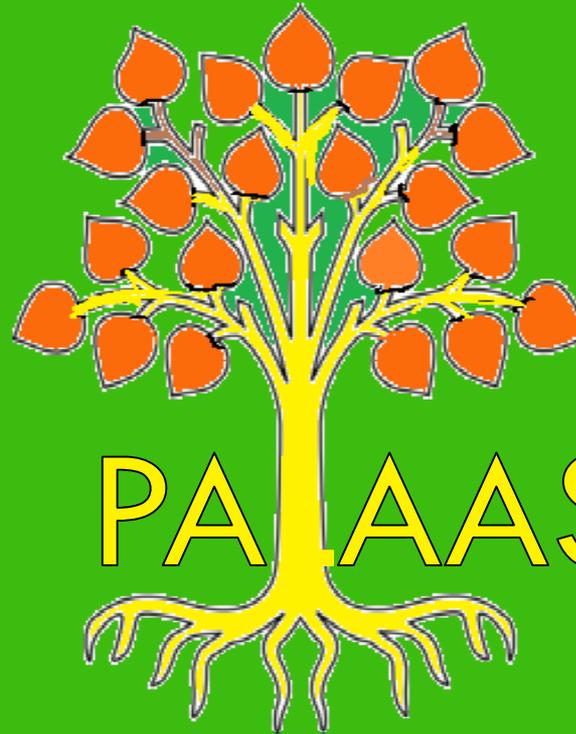




Spring launch Vol.1 No.1
Session: 2019-2020



PALAASH KUNJ

Department of Botany
Kurukshetra University Kurukshetra

('A+' Grade NAAC Accredited, INDIA)

Palaash Kunj

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Roots of the Botany Department



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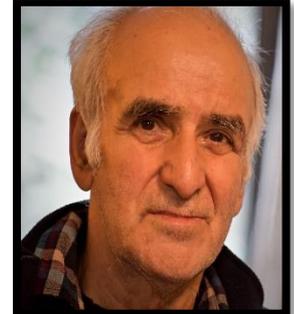
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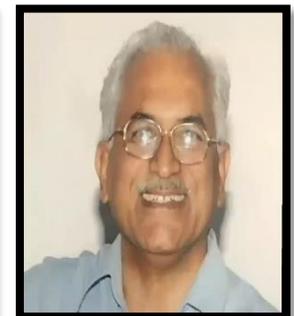
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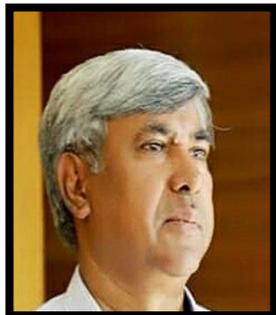
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Prof. Neelu Sood

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Dr. (Mrs.) Nita Khanna
Vice-Chancellor

From the Desk of Vice-Chancellor

Dr. (Mrs.) NITA KHANNA
VICE-CHANCELLOR

डॉ० (श्रीमती) नीता खन्ना
कुलपति



Kurukshetra University,
Kurukshetra - 136 119 (INDIA)
(Established by the State Legislature Act XII of 1956)
(A* Grade, NAAC Accredited)

कुरुक्षेत्र विश्वविद्यालय,
कुरुक्षेत्र - 136 119 (भारत)
(राज्य विधान सभा के एक्ट XII द्वारा 1956 से स्थापित)
(A* ग्रेड, नेक प्रत्यायित)

MESSAGE

I am glad to know that Department of Botany, Kurukshetra University, Kurukshetra is going to bring out its e-Magazine 'Palaash Kunj.'

I am sure that the current issue of the magazine "Palaash Kunj" will succeed in its mission of providing the students a forum to give vent to their creative urge. The young budding writers will surely utilize this forum to do seminal write-ups on themes of their choice and thus enrich the pages of the magazine with pleasurable reading. Besides, the magazine would also serve as a repository of the distinctive achievements of the faculty and students in curricular and the extra-curricular fields.

My good wishes to the students, teachers and editorial board for the success of this magazine.


(Nita Khanna)



Dr. Bhagwan Singh Chaudhary
Registrar

From the Desk of Registrar



कुरुक्षेत्र विश्वविद्यालय, कुरुक्षेत्र - 136 119 (भारत)
KURUKSHETRA UNIVERSITY, KURUKSHETRA - 136 119 (INDIA)
(Established by the State Legislature Act XII of 1956)
(‘A+’ Grade, NAAC Accredited)

Prof. (Dr.) Bhagwan Singh Chaudhary
कुलसचिव
Registrar

MESSAGE

It is indeed a pleasure to learn that the Department of Botany, Kurukshetra University, Kurukshetra is releasing the e-magazine – “PALAASH KUNJ”, 2019-20.

Departmental magazines are source of inspiration for students and faculty to express their creativity. The Departmental magazines act as springs for nurturing of talents for future growth. I know that the Department of Botany is doing commendable job of motivating the young talents and supporting their creativity.

I am sure that the e- magazine “PALAASH KUNJ” will live upto the purpose of letting the students and faculty express their inherent capacity to excel and will provide readers lot of material as food for thought and out of Box ideas.

I wish the best for your endeavours.

REGISTRAR



Dr. Manjula Chaudhary
Dean Academic Affairs

From the Desk of Dean Academic Affairs



कुरुक्षेत्र विश्वविद्यालय, कुरुक्षेत्र - 136119 (भारत)
KURUKSHETRA UNIVERSITY, KURUKSHETRA - 136 119 (INDIA)
(Established by the State Legislature Act XII of 1956)
(‘A’ Grade, NAAC Accredited)

Dean Academic Affairs

MESSAGE

University is an institution of higher learning and skill enhancement. This temple of learning provides multiple avenues to the students to excel in their chosen field. Co-curricular activities of public oration, creative writing and innovative thinking help young minds to be familiar with the global developments. Publication of a semi-annual e-magazine **PALAASH KUNJ** by joint efforts of students and faculty members of Department of Botany is an appreciable step for continued thinking and learning. It will help students reflect their innate talent and will expose them to newer world of exploration, expansion and expression.

I laud the efforts of Department of Botany with brilliant future for faculty, staff and students.

(Dr. Manjula Chaudhary)
DEAN ACADEMIC AFFAIRS



Dr. Anil Vashisth
Dean Student's Welfare

From the Desk of Dean Students's Welfare



OFFICE OF DEAN STUDENTS' WELFARE
KURUKSHETRA UNIVERSITY KURUKSHETRA
(Established by the State Legislature Act XII of 1956)
(*A+* Grade, NAAC Accredited)

Dr. Anil Kumar Vashisth
Dean Students' Welfare &
Professor, Department of Mathematics
Kurukshetra University, Kurukshetra
01744 238096 (office)

Message

I am glad to know that Department of Botany, Kurukshetra University, Kurukshetra is going to launch an e-magazine 'Palaash Kunj' and the first issue of this e-magazine is ready for publication. The efforts of the Chairperson, faculties and students of the department in taking this initiative and making that possible are remarkable and highly appreciable. As we all know that the education at University level is a milestone in the life of students and there is no spring without students in the University. Talent and competence acquired by students make them unique and diverse. The Department progresses in leaps and bounds if students take initiative and prove their worth.

This Zero Budget e-magazine 'Palaash Kunj' is the creation of joint efforts of students and teachers of the Botany Department. I believe that 'Palaash Kunj' will become a meaningful creative platform of knowledge as well as a link between past, present and future of the department. I wish successful execution of this publication and extend good wishes to all the members of the department. May all students prove their potential and achieve success in lives.

(Anil Kumar Vashisth)



From the Desk of Dean, Faculty of Life Sciences

Dr. Smita Chaudhry
Dean, Faculty of Life Sciences



DEAN, FACULTY OF LIFE SCIENCES
KURUKSHETRA UNIVERSITY, KURUKSHETRA - 136 119 (INDIA)
(Established by the State Legislature Act XII of 1956)
(‘A+’ Grade, NAAC Accredited)

No. / 385
Dated 15/7/2020

MESSAGE

I am very pleased and proud to know that Botany Department Kurukshetra University Kurukshetra is going to publish an e-magazine “PALAASH KUNJ”.

The department magazines serve not only as a medium to satiate the creative yearnings of the students but also act as a great platform to express opinion on different topics by both teachers and students. I believe that it would help cherish the joyous moments and preserve success stories of the department.

I extend my best wishes to all the students and teachers who have been a part of this publication.

Prof. Smita Chaudhry
(Dean Life Sciences)
Kurukshetra University,
Kurukshetra.



Dr. Neelu Sood
Chairperson, Dept. of Botany



Botany Department
Kurukshetra University, Kurukshetra-136119(INDIA)
(Established by the State Legislature Act XII of 1956)
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From the Desk of Chairperson

Chairperson

Message

The primary goal of education and the focus of department is to empower the students with overall development. It gives me immense pleasure to bring forth the e-Magazine 'PALAASH KUNJ' which is the result of joint effort of students and teachers. The outgoing M.Sc. Batch (2018-2020) brought many laurels to the department. A department becomes temple of knowledge with core hard work and dedication of students and teachers.

I hope that the magazine will achieve its aim to showcase and deliver the readers some of the best creative and innovative strive of the students and will play its role in promoting the feeling of nationalism and integration.

I on behalf of Botany Department wish success to student's endeavors and may all of them achieve great heights in life.

Neelu Sood.

(Dr. Neelu Sood)
Chairperson, Dept. of Botany

“Angoor Ki Bel”

India with its pride VEDIC history is maximally experienced country in the world today. Benevolence of nature is indescribable and recent Corona outbreak has washed away many man laid parameters. **A developed or developing country is not what nature defines for us as every country has unique fauna and floral wealth.** Corona pandemic has suddenly gripped the whole world due to decadence and inhumane approach of certain nations towards universal brotherhood. Now whole World is paying indemnity in the form of morbidity and mortality figures shooting up every second. Nature has conveyed its version silently and an invisible microbe has shown its pronounced power and havoc strength. The intellects have only hypotheses of cure whereby total IQ of humans on the globe has no affirmative and universal answer. Final verdict always comes from mother nature.

I am a learner of Botany and opted for the subject by my own choice. I am a passionate admirer of nature since my childhood and have enjoyed many sessions by seating in the lap of nature. Nature gives us amazing heart throbbing experiences which not only provide solace but also help us fathom its unfathomable wealth for living beings. My school time summer vacation period used to be spent under the grapevine ‘ANGOOR KI BEL’ which had talled up to the top floor of my house. Our Gardener had spread out its branches on the rooftop to capture maximum solar light for the best photosynthesis and higher yield. Its yield was not counted in tons but how many times and how many neighbors in our MOHALLA enjoyed tasty balls, is on record. Even our relatives who visited us during grape season, were gifted many bunches of grapes. My mom who is an innovative cook used to make chutney and homemade jam from fresh fruits of vine for our yummy breakfast

I vividly remember when a team of gardeners (MALIS) came early morning and suddenly started cutting its branches. I was bewildered with their slapdash slaughter of my “ANGOOR KI BEL” I was shouting at them instantly why were they cutting our ‘ANGOOR KI BEL’ . But my voice was not answered by them till my father came out with some explanation that they are going to make it healthy and this vine will bear more bunches of grapes this summer. But they have cut it all and my father was a ‘villain’ who was a party to all this ‘**vinicide**’. My cries were unheard and I sat in a room feeling alone with scathing tornado of my self knitted thoughts towards my family and especially my father. My brothers and sisters came to cheer me up with giggles and they too were added to my list of bad persons. My innocent child brain was solo fighting and toiling hard to find a solution in this scrappy situation as a captured warrior in the captivity of its enemies. I was crying within and everyone was enjoying this ‘**Bal Leela**’.

One day my father took me to a nearby wild land in sector 23 in Chandigarh, itself and showed that all the cuttings of our “ANGOOR KI BEL” had been pruned and planted there. As I was growing up, the vineyard was also flourishing. Chandigarh administration had converted that wasteland into a grape sale point and my childhood memories are fruiting year after year there. Now my visits to Chandigarh include a stop-over at this grape nursery. Even my children (daughter and son : twins) used to shout ‘**MUMMY KI ANGOOR KI NURSERY**’ and still my eyes get wet without tears. I invented namkeen Khatta Meetha pan by folding a healthy green leaf with a pinch of rock salt, few sugar crystals and amchoor in it. I was inspired by innumerable caterpillars eating these leaves voraciously. These leaves must be very tasty, I supposed. My this innovation came to limelight when my mother noticed small paper folds of ingredients in my clothes while washing them. I was asked to demonstrate my skill. Later I served this special pan to my siblings on their demand many a times.

Now that I have learnt the concepts of biodiversity, plant conservation, plant propagation, plant tissue culture and natural plant products as a student of Botany but first seed of botanical knowledge was sown 50 years ago when I observed innumerable crawling thorny caterpillars sitting and falling down from the grapevine. I unknowingly followed their activities for hours and days. I got stitched along with them to the grapevine. I never shared the discreet watch treat knowledge with anyone. I thought, that was my domain only. My “ANGOOR KI BEL” was canopy over the knowledge, I was acquiring from Mother Nature in my own way. Even today, sight of a person twitching tender leaves of a plant gives me a boil and hurts deep down. Year after year, I have been transmitting this as “not to do” message for my students too to follow and adhere to. Plants are a storehouse of drug molecules for therapeutics. The world is experiencing the wrath of nature in this Corona era. The efforts to unlock the therapeutics from some Herbals or pharmaceuticals are warranted. There is a dire need for every human to bow before nature and surrender unwanted showcased activities. Go minimal for sustained growth and development of ecosystems. Every newborn angel should seek warmth and protection in mom’s and mother nature’s lap for enhanced immunity and healthy survival to LOL : GO-CORONA-GO.

Dr. Neelu Sood
Professor & Chairperson
Dept. of Botany
(Editor-in-Chief.)

Turning Points in Plant Genetics

Genetics is one of the most rapidly growing fields of science. Hardly a day/week passes without the appearance of some news regarding the novel genetic discovery or the new way that genetics applies to our daily lives. Rather than discussing the latest advancements, I am here summarizing some basic as well as major discoveries that have greatly revolutionized the various applications of genetics in plant biology.

The laws of inheritance – 1865

Through his experiments on garden pea plants conducted from 1856 to 1863, Gregor Johann Mendel discovered the fundamental laws of heredity and laid down the foundation of modern genetics. He was first to demonstrate that the factors/genes exist in pairs and are inherited as distinct units, one from each parent. He studied the segregation of parental genes and their appearance in subsequent progeny as dominant or recessive traits. Mendel presented the outcomes of his experiments at the sessions of Nature Research Society of Brunn in 1865 and got published his conclusions in a paper titled as 'Experiments in plant hybridization' in the 'Proceedings of the Natural History Society of Brunn' in 1866. He summarized all his findings in three milestone laws of genetics: 1) The law of dominance 2) The law of segregation, and 3) The law of independent assortment. For this contribution to genetics, he is known as the father of genetics.

Pure line theory – 1903

A pure line is a group of closely related individuals of the identical genetic constitution (like the offspring of a homozygous self-fertilized parent). Working on a variety of common bean (*Phaseolus vulgaris*), W. Johannsen (1903) proposed the pure-line theory. It takes into account the variations arising due to the genotype and the environment. This concept of the pure line has been one of the most important founding contributions for making advancements in the field of genetics and plant breeding. Following this concept, the breeding became more systematic which structured/optimized the future breeding programmes.

Hybrid vigor – 1908

G. H. Shull (1908), in his research paper titled 'The composition of a field of maize', reported that inbred lines of maize exhibited a general decline in yield and vigor, but that hybrids between two inbred lines instantly and entirely recovered. In several cases, their yield exceeded that of the varieties from which the inbred lines were derived. Also, they had an extremely desirable uniformity making them more suitable for agriculture use. This marked the beginning of the exploitation of hybrid vigor/heterosis in plant breeding programmes.

Transposable elements in plants– 1940s

Transposable elements (TEs) are DNA sequences that can move about the genome and are also often a cause of mutations. In plants, these were discovered in maize by Barbara McClintock in 1940s and for this input, she was awarded Noble Prize in 1983.

Although many transposons may be genomic parasites others referred to as domesticated are useful to the host cell. The alterations caused by TEs are potentially the rich source of variation on which selection can work. Keeping in view the large numbers of plant TEs, it is realistic to put forward that TEs have played an important role in plant adaptation and evolution.

Agrobacterium- mediated plant transformation- 1977

For the first time in 1977, the plasmid of *Agrobacterium tumefaciens* was successfully incorporated into the tobacco plant genome and this transformation triggered a race towards the development of the first transgenic plant. The Ti-plasmid (or plasmid transfer DNA, T-DNA), used by this bacterium to induce tumors in plants, is a perfect vehicle for genetic modifications. *A. tumefaciens* is a widely used versatile tool for the development of transformed model plants and crops. The genetic engineering using this natural genetic engineer is achieved by cloning the desired gene sequence into the T-DNA that is subsequently inserted into the host plant DNA.

The first genetically modified plant – 1983

The crops that are developed through genetic modifications are referred to as genetically modified (GM) crops. The first genetically modified plants – antibiotic-resistant tobacco and petunias– were produced in 1983. Since then, several transgenic crops have received Food and Drug Administration sanctions, including “Canola” having modified oil composition, cotton and soybeans resistant to herbicides, etc. The GM foods that are available for use comprise potatoes, eggplants, strawberries, carrots, sugar beet, apple, etc.

The first flowering plant genome sequenced - 2000

The first complete genome sequence of a flowering plant, *Arabidopsis thaliana*, got published in Nature in 2000. *A. thaliana*, a member of family Brassicaceae, grows as a weed in many parts of the world. It has a short generation time of 6 weeks and each plant produces 10,000 to 40,000 seeds. With five pairs of chromosomes and a genome size of 125 million base pairs, *A. thaliana* has 25,700 genes. It is a model plant species to study many aspects of plant biology such as the genetics of flowering, plant genome organization, gene regulation, genetics of plant development, etc.

Golden Rice- the first field test– 2004

The Golden Rice is a genetically engineered rice variety to synthesize provitamin A, beta-carotene, in the rice grain. When metabolized in human body Beta-carotene is transformed into vitamin A. It is essential for good vision, skin, and immune system, as well as reduces the risk of several cancers such as cervical, lung, and bladder cancers. Golden rice was developed to produce fortified food to be grown and consumed in areas with a deficiency of vitamin A in the food. The rice has the machinery to synthesize beta β -carotene but it is completely active only in leaves and some parts of it are off in rice grains. By the addition of two genes, a plant photogene synthase and a bacterial photogene desaturase, the machinery was turned back on in grain and resulted in the transformation of simple rice into Golden rice. The Golden Rice met the sun in open for the first time in 2004 in Crowley, Louisiana, USA, and $\sim 6 \mu\text{g/g}$ β -carotene was obtained from grain.

CRISPR- the first time in plants – 2013

Clustered regularly interspaced short palindromic repeats (CRISPR)/CRISPR-associated 9 (Cas9) endonuclease are RNA-guided DNA endonuclease systems for gene editing. The reports regarding the use of the CRISPR/Cas9 system to generate targeted gene mutations in plants started coming in 2013. These reports confirmed the suitability of this technology for plant systems as well by using the model plant species like *Arabidopsis thaliana*, *Nicotiana benthamiana*, and some crops like rice, sorghum, and wheat. The plant scientists have established that the CRISPR induced genetic modifications are present in the germ line and segregate normally in the following generations. CRISPR/Cas9 is rapidly becoming the strategy of choice for gene editing in plants for rapid advancements in plant biology and crop improvement.

Dr. Yogesh Kumar
Asst. Professor
Dept. of Botany
(Teacher-Editor)

An Eminent Botanist



The Deepest Craving of Human need to be Inspired

One such Personality for every science student is **Dr. Mankombu Swaminathan** (popularly known as M.S Swaminathan) -a great Indian Geneticist and Administrator , known for his role in India's Green revolution, a program under which high yield varieties of wheat and rice were planted. For this program he has popularly been called as the **"Father of Green Revolution"** In India.

He has been awarded with innumerable awards namely : **World Food Prize (1987), Padma Shri(1967), Padma Bhusan (1972), Padma Vibhusan (1989).**

M.S Swaminathan was born on 7th august 1925.He went on to finish his undergraduate degree in biology at Maharaja College in Trivandrum, Kerala in 1940-44.Swaminathan then decided to pursue a career in agricultural sciences.

His motivation started with the great Bengal Famine of 1943 when he was a student at the UNIVERSITY OF KERALA . There was an acute rice shortage, and in Bengal about 3 million people died from starvation. He was involved in the freedom struggle, which Gandhi ji had intensified, and he decided to take to agricultural research to help farmers produce more.

This inspires each and every youngster to fight with the odds of life and come up as a victor not a victim and being students of Botany, it becomes an even big responsibility.

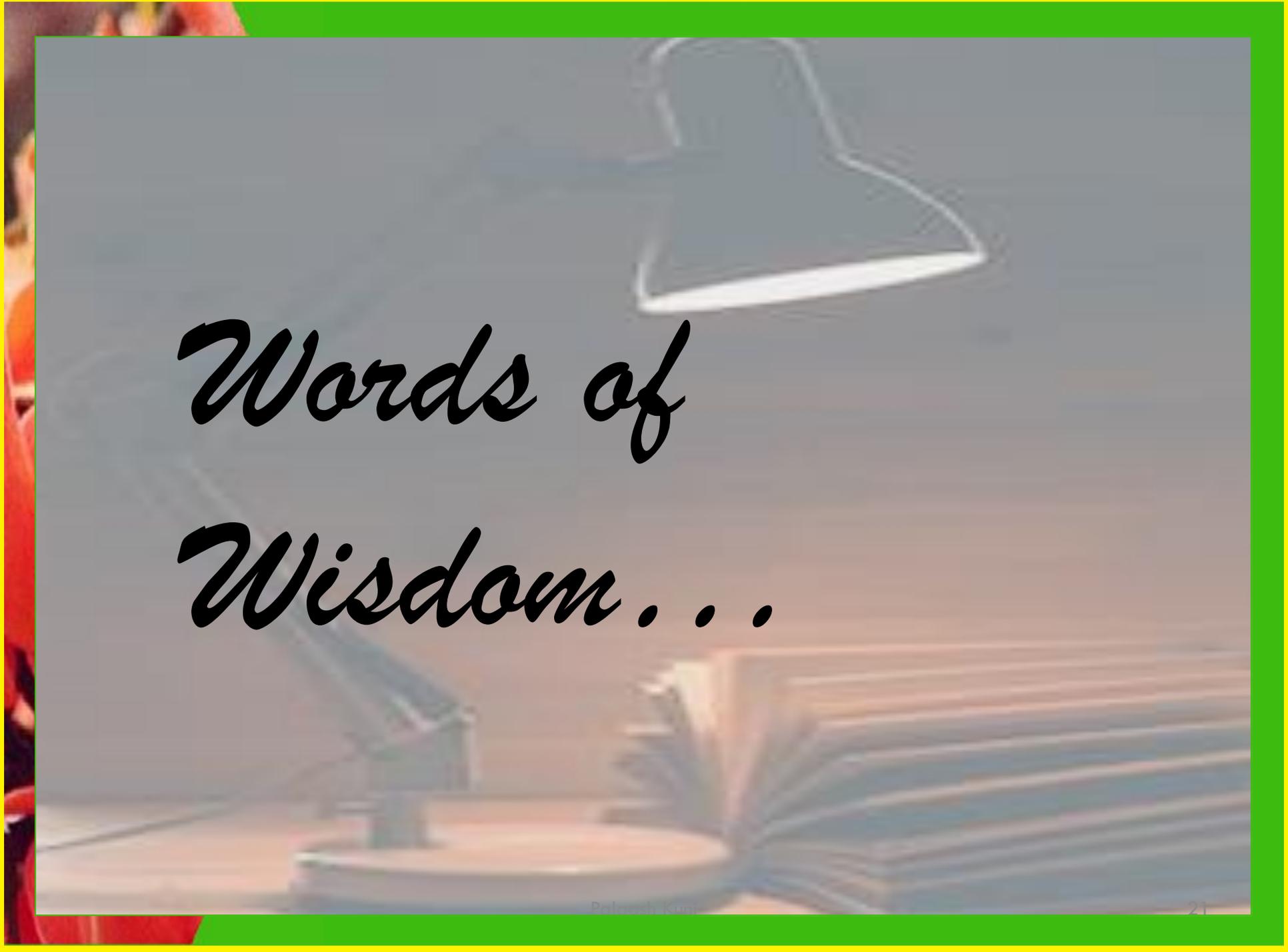
In 1947 he moved to IARI in New Delhi as a post graduate student and earned PhD. Degree in 1952 from University Of Cambridge School of Agriculture and completed thesis on **“Species Differentiation and The Nature of Polyploidy in certain species of genus Solanum .”**

He was follower of Mahatma Gandhi and took a lead in Kumbakon in “burning his Foreign Clothes” in support of swadeshi movement.

His stated vision has always been TO GET RID OF POVERTY AND HUNGER. Swaminathan has always been an advocate of moving India to sustainable development, especially using environmentally sustainable agriculture, sustainable food security and the preservation of Biodiversity, which he calls an “Evergreen Revolution”.

His personality is a source of motivation and his words surely fills the fire of encouragement in all the young minds and will always continue to do so.

Aman Kumar M.Sc. Final
Tanya Kaushal M.Sc. Final
(Student-Editors)

The background of the slide is a blurred photograph of a desk. On the desk, there is a desk lamp with a white shade, a stack of books, and a pen holder. The overall scene is dimly lit, suggesting a quiet study or workspace.

Words of Wisdom...

OUR SOLUTIONS ARE IN NATURE

A quote attributed to Aristotle says, “It is during our darkest phase that we must focus to see the light.” So, even as we, along with millions of our fellow citizens, observing lockdown, this hiatus offers a rare opportunity to reflect and observe the long view.

If there can be any enduring take away from the social and economic cost of COVID-19, it must be that our much vaunted modern and technologically sophisticated society can be humbled by nature operating at its microscopic scale. At this scale of nature, the speed of replication and proliferation is astounding and within a few weeks from its first manifestation, the virus has brought a globally connected economy to a standstill and endangered the lives of total strangers across all continents.

At the same time, almost silently, at the other end of the scale, a slow but perceptible escalation of climate calamities, including more severe storms, more destructive forest fires and faster melting of glaciers, indicate a carbon-emission triggered crisis where nature is reacting on a macro scale. The sobering conclusion is that is that our armory is inadequate to deal with either end of nature’s scale of intervention.

We fight on issues of race, religion, caste, creed, region, language and border. Equality may be a factor less apparent, but this new virus strikes beyond man made distinctions of categories. **Nature is giving signs that we all have one identity-----We are Humans**, either we stay equal or nature knows how to equalize all in one shot.

Those well-off living in big mansions and bungalow are bound to remain confined to their homes while praying for well-being of crowding dormitories like Dharavi. As humans retreat into their homes, nature is giving free hand to other wild animals to roam and conquer the big streets of flourishing cities as if it is conveying humans are not only the stakeholders of this mother earth, all organisms are her children. . Nature is healing its wound by reduced traffics, pollution, ozone healing, oceans, lakes and rivers have cleaned up, wildlife is returning, we can better hear birds singing songs in Spring of Love.

When pandemics and abnormal weather phenomenon are becoming the norm, it is time to pause and wonder where we lost the way, and how we can still make a comeback. Nature will always remind humans to acknowledge, with humility, our quintessential equality and interdependence on other biotic components.

The solutions of problems has engaged the attention of many men of science from the time of Newton to present day scientists, they all find answers by looking deep into nature and understood everything better. As much as human mind has become ingenious in its short and recent period of earth's timeline, it has no comparison **with 3.8 billion years of evolution of nature**. If there's any place where human can find most of the answers and solutions regarding quality of life, it is within this formidable open-air laboratory, which is constantly being designed and redesigned.

Human intelligence doesn't seem so brilliant when instead of drawing inspiration from the accumulated expertise of nature; it modifies and alters the services it provides, to the point of its own very existence. Nature based solutions are interventions which use nature and natural function of healthy ecosystems to address the most pressing demands of our times, in order to protect environment as well as providing numerous economic and social benefits. Nature expects from human society to be sympathetic to and in harmony with environment by being gentle in actions and consumption of nature. We have to take a timeless and priceless lesson to contain virtue of dealing our mother earth with frugality.

There's no doubt that Science and technology has served humanity well over centuries but what we really need is an outlook that seeks to harness our knowledge of science to work in harmony with nature, rather merely attempting to bulldoze it.

The global growing appeal of renewable power generation stems from the fact that it can harness nature without damaging it. Similarly, doctors worldwide vouch for the role of healthy living and robust immune systems as the best bet, so far, to protect ourselves. We must fortify our natural immunity as best defence to combat virus without waiting for much needed vaccines

In recent decades, global change has embarrassed upon as nature's wrath in unpredictable manner. Changing precipitation has altered hydrological systems resulting in floods and droughts in different regions. Biodiversity which is a product of billions of years of evolution has been rapidly declining in recent years – a victim of human large ecosystem footprints on earth. Climate change will exacerbate the rapid loss. Because of our intimate association with biodiversity, we face the prospect of losing ourselves. We, therefore, urgently need to document life and at the same time assess changes in biodiversity and curtail its loss. Biodiversity resources are the pillars upon which we build civilisations.

There is no one-size-fits-all approach for tackling global problems. We must look into nature for the solutions which are different for well-developed and wealthy temperate countries and on the other hand, our tropical Asian and Sub-Asian countries which are rich in biodiversity, but the imperatives of relentless economic growth, urbanisation, deforestation and overpopulation place them at more risk than all other nations.

There should be synergies in the steps to be taken for good development and climate change. For instance, improving energy efficiency in industries reduces cost and local pollution, improving public transport reduces congestion and pollution and improves access and using natural farming methods reduces fossil fuel based fertilisers, improves soil health and biodiversity.

Thus, integrated development plans with focus on climate change should be adopted. Ultimately, nature should be part and parcel of all thinking on development. Safeguards of biodiversity, along with nature-based solutions make us realise that people are part of nature rather than separate from nature. Nature is the best solution of our problems. But it depends, how well we explain our problems to nature and how much time we give to our mother nature.

Priyanka

M.Sc. Previous.

DRUG ADDICTION

Makes you a prisoner of rattrap
by showing a marvelous bait,
identify drug is your biggest enemy
before it is to late....

We have experiencing an alarming increase of drug abuse among youngsters in recent years. Every now and then we read in newspaper that teens are being held for consuming drugs and most are aged between 17-20. there are thousands of reasons why people became drug addicted and for the youth it is a million curiosity is one reason , pleasure “kick” is another other are lock on parental control too much pocket money . Often it is to gain acceptance in a group to belong . It could be a reaction to neglect a need to be noticed or a defiant gesture against authority . Or perhaps a deep psychological need within a youngster to prove himself . Youngster fell pray to pushers people who regularly supply drugs are constantly looking for new victims . The youngster usually convince themselves that they will not get addicted

just this one is a popular justification but this dangerous experiment with drugs continues and what results is psychological dependence , social, personal, economic and physical cost too. Life has become more stressful then it use to be decades back. Under these conditions people treat themselves with chemical substances . Therefore nation wide drug and alcohol effect reach and every one of us directly or indirectly in home , family, college, town, community. Being a science student I can say that use of drugs once , makes a person genetic part of viscous circle and this says the genetic theory.

Actually what I feel is , **it is never a crowd from outside world that forces you , it is a crowd within.**

Everybody is born single but by the time he is mature enough to participate in life he has become a crowd.

If you just sit silently and listen to your mind you will be surprised That you can recognize all of them very well . **There is only on voice missing that is YOU.** Nobody ever told us to search our own voice and so we don't know the sound.

So ultimately the conclusion is this whole crowd has to be stopped and withdrawn from minds . It has to be told that now please leave me alone!! Don't create any fight with this crowd .let them fight amongst themselves You meanwhile try to find YOURSELF.

Because no counseling, no rehabilitation centers , De addiction projects, no movie premieres would take you out of this trap until you yourself are willing to come out

Remember no one can make you feel inferior without your own consent . This is the problem you only can solve .

Pleasure of a moment and rest of your life stuck
To live a healthy Life, Just say a NO to drugs

Tanya
M.Sc. Final

Never ever give up!

Never ever give up!

Sing the song that only you can sing,
Write the book that only you can write,
Built the product that only you can built,
Live the life that only you can live!!!

I know that the topic is not that catchy but i must say that you will definitely learn something in the end.

Be happy with what you have, everyday push your own limits. And never ever compare yourself with someone else because when you are thinking about others you are automatically one step back from your goal. You all must be familiar with the news of Sushant Singh Rajput. Ending your life is never the solution .

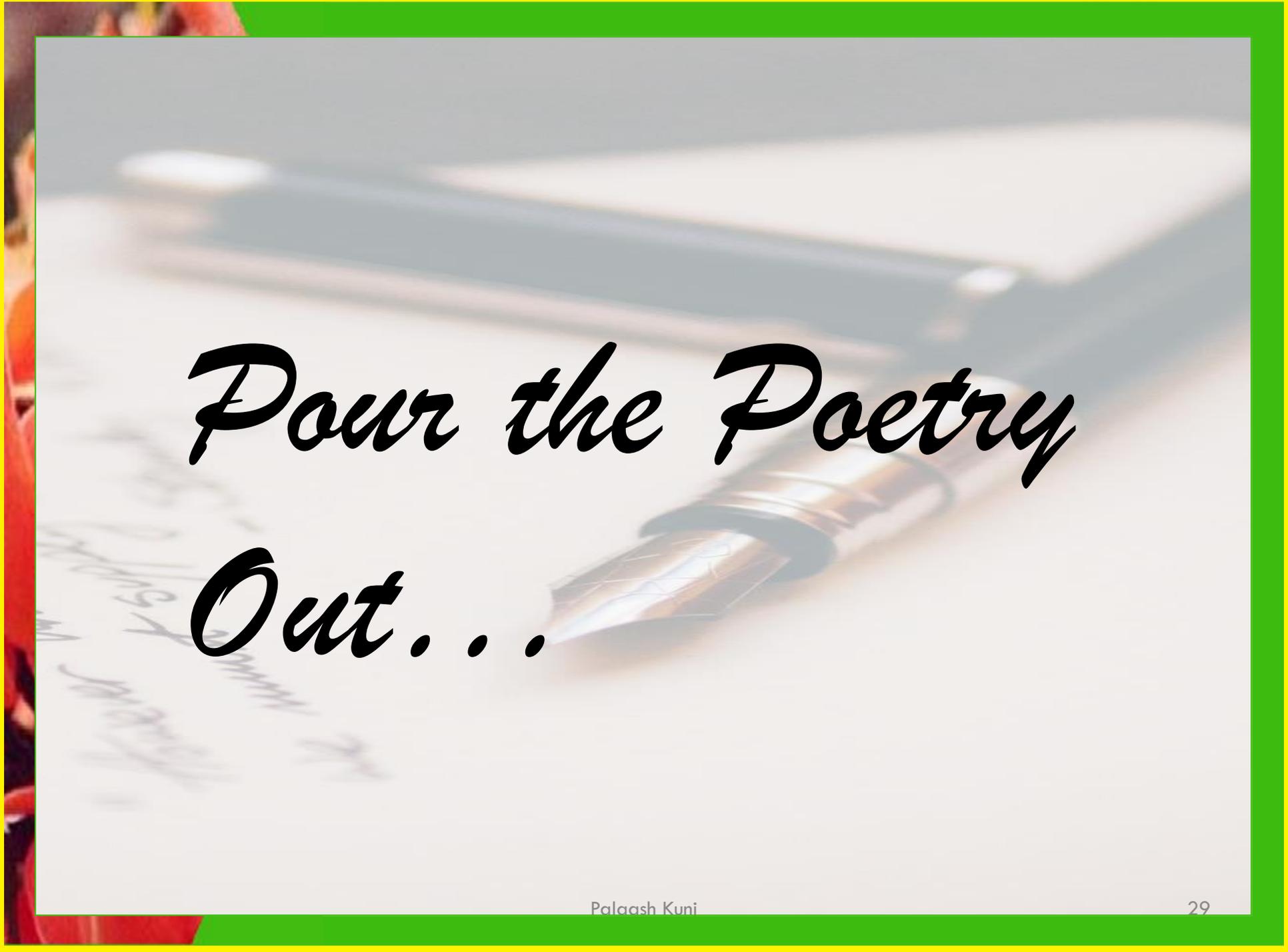
On a funny mode don't be "RAJU "Be RANCHORDAS CHANCHAD of 3 idiots. In past more people died of war but in today scenario more people die due to suicides across the world than to war so there must be need to work with your minds. One more thing always line in present, be happy in whatever situation you are , you never know about the future .May it be bad from the present. So you may regret that you had a happy past but didn't even enjoyed that. All that matters is to be happy. You are only going to count your memories in old age. I recounts the last words of STEVE JOBS" I reached the pinnacle of success in the business world in others eyes, my life is an epitome of success. However, aside from work, wealth is only a fact of life that i am accustomed to. At this moment lying sick on the bed and wealth i took pride in, have paled and become meaningless in the fear of impeding death."

Always cherish whatever small moments that you have with your family , friends and people around you. You will definitely succeed , don't ever stop, walk and walk and walk till you reach your destination.

Embrace yourself, embrace what you have achieved and my friend more to go satisfaction lies in the effort , not in the attainment , full effort is full victory.”

- MAHATMA GANDHI

Garima Garg
M.Sc. Previous

A close-up, slightly blurred photograph of a fountain pen with a silver and gold nib, resting on a white sheet of paper. The paper has some faint, illegible handwriting in the background. The entire image is framed by a bright green border.

*Pour the Poetry
Out...*

कुछ लोग...

खतरें में हैं इंसानी बस्तियां अब,
कूचे कूचे में फिर रहे हैं कुछ लोग..

कल्ल इंसानियत का करते हैं,
हाथ में खंजर लिए कुछ लोग...

बख्शने वाला भी हैरान हैं अपने बंदों का सबब
देख,
उसके ही नाम का तमाशा बनाते कुछ लोग...

कृष्ण आये यहां, आये नानक, मोहम्मद यहां,
मोहब्बत का पेगाम लेके,
वहां मध्यत की चिंगारी पर भी रोटीयां सेकते कुछ
लोग...

जो खुद को मुहाफिज़ बताते हैं
आज़ खामोश बैठे हैं वहीं लोग..!!

बचपन की ये कहानी

बस बचपन की ये कहानी थी,
बस कश्तिया तैरनी थी,
एक बारिश सी होनी थी,
सब की सब डूब जानी थी,

ना चिंता कोई पालनी थी,
ना मुसीबते कोई आनी थी,
कहीं भी चले जाते थे,
ज़िन्दगी मजिलो की नहीं, रास्तों की दीवानी थी,

गलतियां हो भी जाती थी, तो भी चलता था,
ना माँ ने उतना कुछ कहना था,
ना पापा से सुनना पड़ता था,

कहाँ आ गए भागते भागते इस बड़े होने के चक्कर
मे,
ना बचपन जिआ, न मौज करी, मातुरे होने के चक्कर
मे,
हम कल मे सब दूढ़ते रहे आज को जिआ नहीं,
आज के कुछ गम क्या देखे, कल की खुशीआं बीतनी
थी,
बूढ़े हो गए ख्याल, बूढ़े से हो गए है हम भी,
इन सब के बीच मैं, शायद कहीं खो गई वो जवानी थी.

ख्याल

बीतते दिन और ढलते सूरज के साथ
जब अंधेरों से मैं घिर जाती हूँ,
तो ख्याल तुम्हारा आता है।
बातों ही बातों में जब
यूँ ही शान्त मैं हो जाती हूँ,
तो ख्याल तुम्हारा आता है।
लाखों की भीड़ और करोड़ों के शोर में जब भी
आँखें मूंद कर मैं बैठ जाती हूँ,
तो ख्याल तुम्हारा आता है।
इस पल पल बदलती दुनिया में
जीवन भर साथ निभाने का ज़िक्र जब भी आता है,
तो ख्याल तुम्हारा आता है।
यूँ तो बहुत हैं खैरियत पूछने वाले
पर कोई पूछे मुझसे
कि मेरा ख्याल कोन रख पाता है,
तो ख्याल तुम्हारा आता है,
ख्याल तुम्हारा आता है।

-दिव्या मल्हन

M.Sc. Previous

इस काबिल भी नहीं

अज्र वो अज़ाब से घबराता नहीं ,
या खुदा जलता बुझ गया कुछ नज़र आता
नहीं ।

नज़रें फेलाऊँ तो धुंधला जहां सा हो चला
,
ग़म का दरया हूँ काग़ज़ की कश्ती भी
नहीं ।

दरबदर फिरता हूँ ! सुकून की तलाश म
में,
रूह से मुँह फेर बेठा ,मगर हुकुम था कि
तू इस काबिल भी नहीं ।

-इरशाद

M.Sc. Final

नभ तारक मणियों से सज्जित

नभ तारक मणियों से सज्जित, स्थान सब सुनसान बने,
दिन-प्रतिदिन प्राण गिरते, मन्दिर मस्जिद सब वीरान बने।
मौन साध प्रतिमाएँ बैठी, चादर चढ़ती मज़ारों में,
मतस्य मग्न महासागर की, तरु तैरते दीवारों में।।

श्रम संकट संताप सभी ओर, पीड़ा प्रतिक्षण पुकार रही,
समदोषी मानव प्रकृति का, धधकती धरा धिक्कार रही।
क्षितिज खिसका मिलों तक, वात-मेघ सब पाक हुए,
प्रणय थिरकता नगरों में, जात-मदार सब खाक हुए।।
मयूर विचरते विद्यालयों से, मर्कट-मस्ती मकानों में,
“शिव-मौलि” भगीरथी सुधा, पुनः पवित्र ‘पंत’-पुराणों में।
सोहन-शिकारा-सारस-सिकंदर, सांकल सहित स्वाधीन हुए,
मृग पथों पर, मगर तटों पर, मेघधनुष अब रंगीन हुए।।

हिमालय श्रंगाल शोभित सदियों में, दिल्ली दिन में दर्श दिये,
प्रकृति प्रबल प्रत्यंचा चढ़ाए, त्रासदी युग में उत्कर्ष लिये।
आठों पहर भय ठहरा, जुगनु टिमते उल्लासों में,
एक विषाणु टहल रहा, आदम की सांसो में।।

युद्ध-परिणाम तय है, क्रूर कुटिल कुविचारी का,
सदृढ़ बिलिष्ठ वज्र हृदय, मात्र उपाय महामारी का।
सृष्टि ने चेताया है, 'अंजन' कंठ हुंकार भरो,
प्रत्येक जीव का मोल धरा पर, शीश झुका स्वीकार करो।।

- रमन चौहान 'अंजन'

M.Sc. Previous

Interesting Botanical Facts

1. Titan Arums is the largest flower in the world! It is even bigger than an elephant being 10 feet high and 3 feet wide.
2. Apples have 25% water in their volume! This is why it can float on water because it's lighter than water.
3. The potatoes were first cultivated in Peru almost 7000-10,000 years ago. There are right now almost 1000 different types of tomatoes.
4. Vanilla extract comes from percolating of Vanilla pods called as ***Vanilla planifolia***. There is some amount of alcohol present in it for approximately 2-3% of it!
5. Oak trees get struck by lightning the most among all the trees. It is because they are taller than most of the trees.
6. Strawberry is the only fruit that bears its seeds on the outside! An average strawberry will have about 200 seeds.
7. An average pomegranate has more than 1000 seeds. Pomegranates are used for baking, juice blends and even in alcoholic beverages.
8. Dwarf Willow is the tiniest tree in the world which is about two inches. Its scientific name is ***Salix herbacea***.

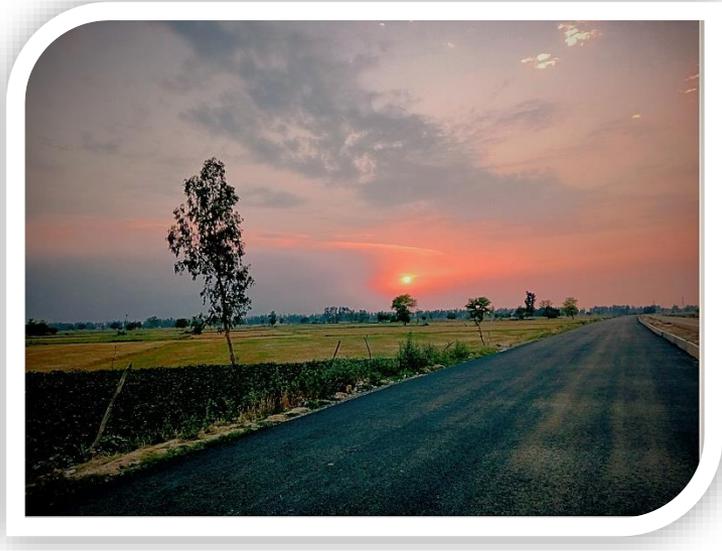
Captured Treasure of Nature



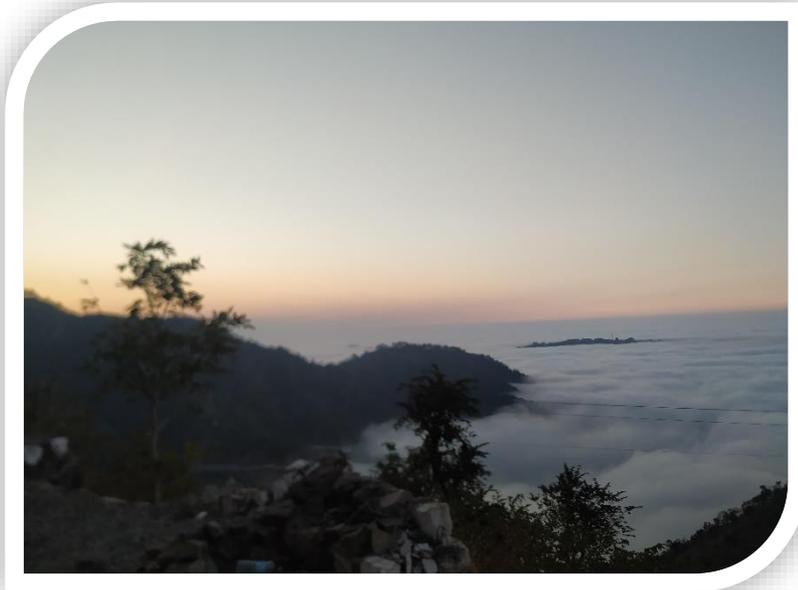
P.C. Ankush Bharati M.Sc. F



P.C.- Mandeep M.Sc. F Palaash Kuni



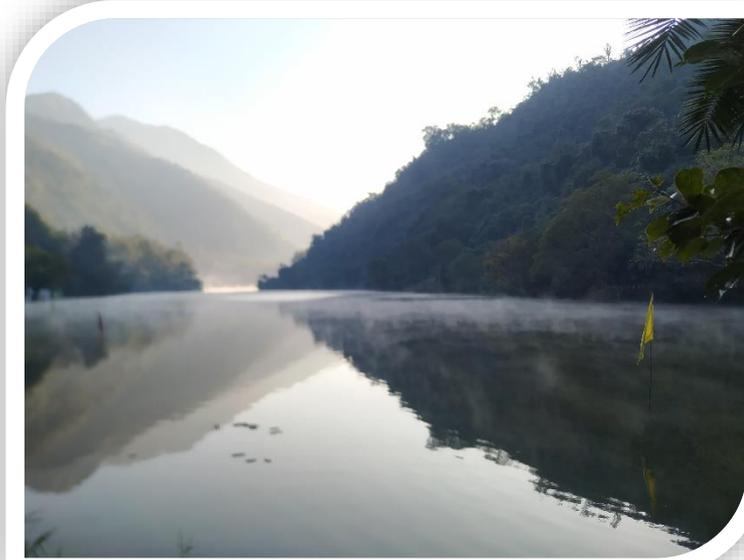
P.C. Ankush Bharati M.Sc. F



P.C.- Jyoti M.Sc. F



P.C. Muskaan M.Sc. F



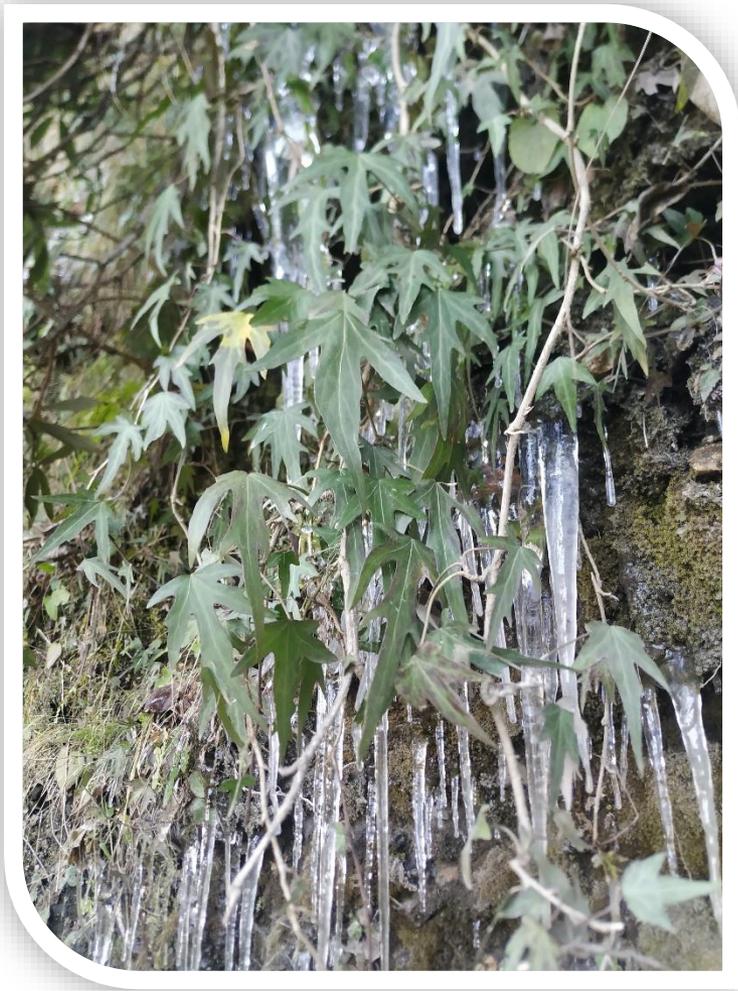
P.C. Aman Kumar M.Sc. F



P.C. Mandeep M.Sc. F



P.C. Lalit M.Sc. F



P.C. Aman Kumar M.Sc F



P.C. Aman Kumar M.Sc F

Let The Colors Shine



Meenakshi M.Sc. Final



Raveena M.Sc Previous



Amita M.Sc. Final



Muskan M.Sc. Final



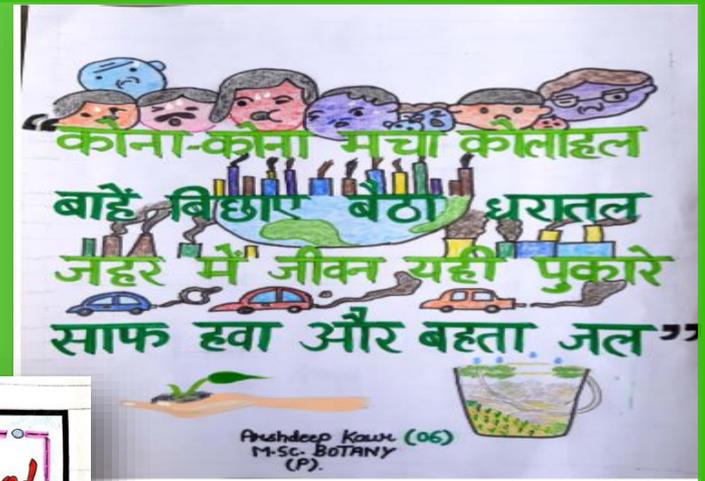
Monika M.Sc. Previous



Bhawna M.Sc. Final



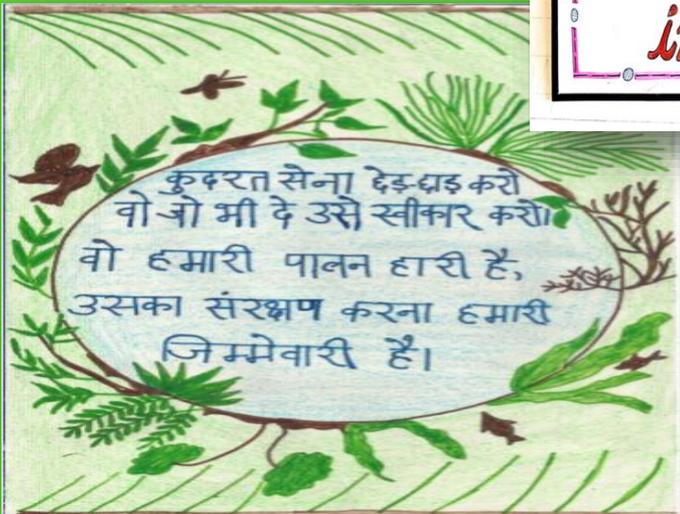
Sakshi M.Sc. Final



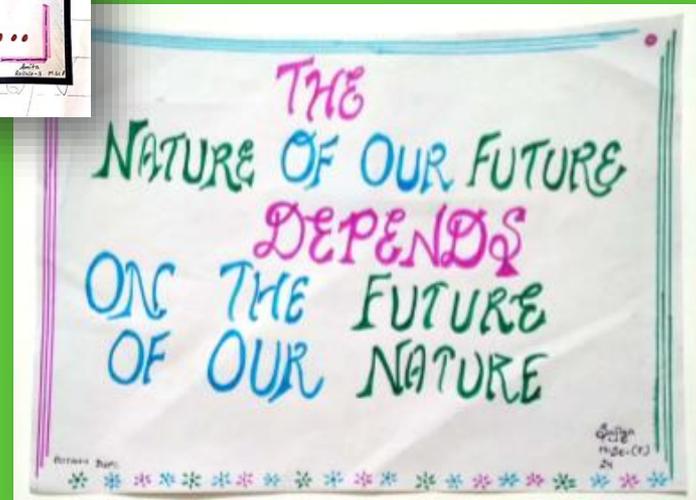
Arshdeep M.Sc. Previous



Amita M.Sc. Final



Manoggya M.Sc. Final



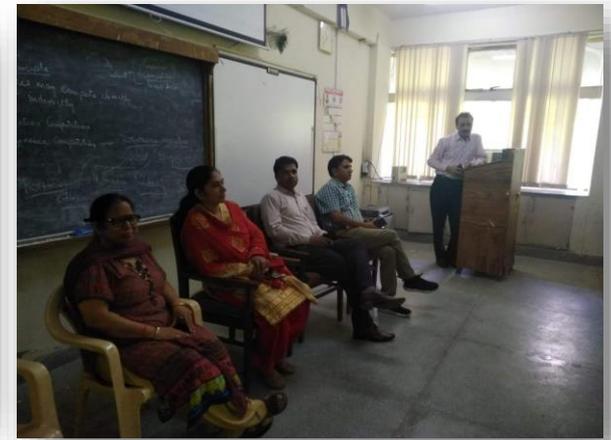
Sajiya M.Sc. Final



Glimpses
of the Year
(2019-20)



Teacher's Day Celebration



**Annual Meeting of
Botanical Association**



(Nukkad Natak)

Ozone Day Celebration





**Lamp Lightning in
Fresher's party**



**Jashan-e- Aagaaz
(Fresher's Party)**



**Golden moments of
Fresher's Party**



Cleanliness Drive



Attending Fit India Seminar



Innovation Day Celebration

Palaash Kuni



Educational Trip to National Cactus and Succulent Garden, Panchkula



Lohri Celebration



Beautiful moments



Flower Fest 2020



Beauty of Nature



Team: Shristi, Kajal, Savita & Lalit
1st Prize



Team: Aman, Muskan, Vikas & Ankush
2nd Prize

Flower Arrangement



Seminar on Innovations in Plant Sciences by Eminent Scientists Prof. S.S. Gosal & Dr. Archana Chugh



Ravinder, M.Sc. Final



Shruti Goyal, M.Sc. Final

International Yoga Day Celebration



Department of Botany
Kurukshetra University, Kurukshetra
 ('A+' Grade NAAC Accredited)



In collaboration with
Corporate Resource Centre (Under RUSA 2.0)

'EDU-KUBOT'

A National Web series cum Training programme

on

A Fantastic World of Orchids

Launching on

WORLD ENVIRONMENT DAY

Date : June 5th , 2020 Time:- 11:00 am to 12:00 noon

Resource Person



Prof. Promila Pathak
 Department of Botany
 Panjab University, Chandigarh

Scan for Registration:



Patron

Dr. Nita Khanna
 Vice-Chancellor, KUK

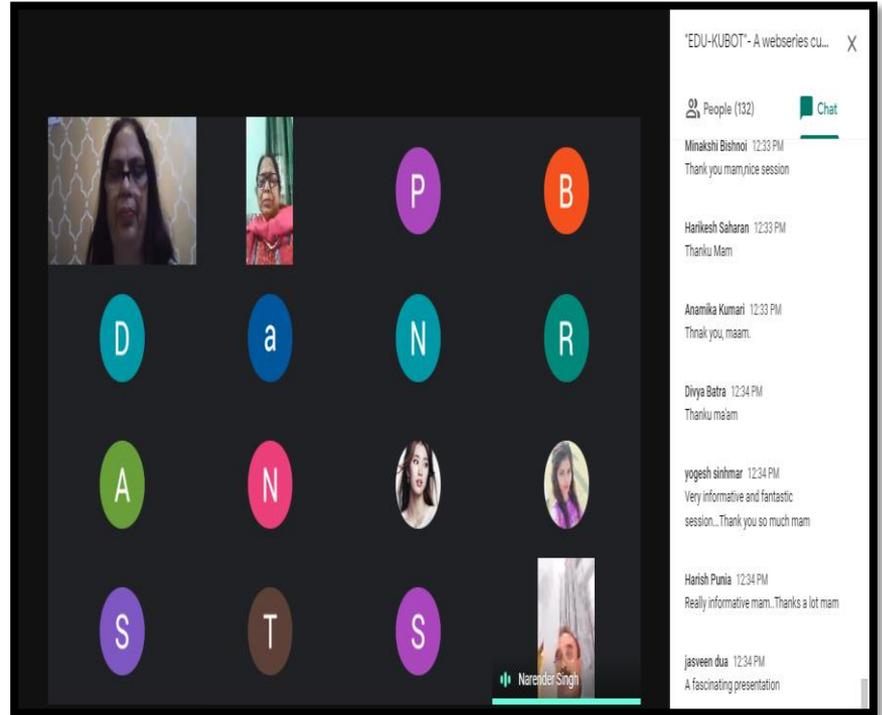
Convener

Prof. Neelu Sood
 Chairperson, Deptt of Botany

Organizing Secretary

Dr. Somveer Jakhar
 Asistt. Professor

- No registration fee
- Registration is compulsory .
- E- Certificates will be provided



Launching of "EDU-KUBOT" - Webseries -cum- Training Programme



Department of Botany
Kurukshetra University, Kurukshetra
(‘A+’ Grade NAAC Accredited)



In collaboration with
Corporate Resource Centre (Under RUSA 2.0)

‘EDU-KUBOT-1.0’

A National Web Series-cum-Training Programme
on

**Bioprospecting New Products for Pharmaceutical,
Cosmetic, Enzyme and Bioremediation Industry**

Date : June 9th, 2020 ; Time: 11:00 am to 12:00 noon

Resource Person



Dr. R.S. Jolly
Former Ag. Director
IMTECH, Chandigarh

Patron

Dr Nita Khanna
Vice-Chancellor, KUK

Convener

Prof. Neelu Sood
Chairperson, Deptt of Botany

Organizing Secretary

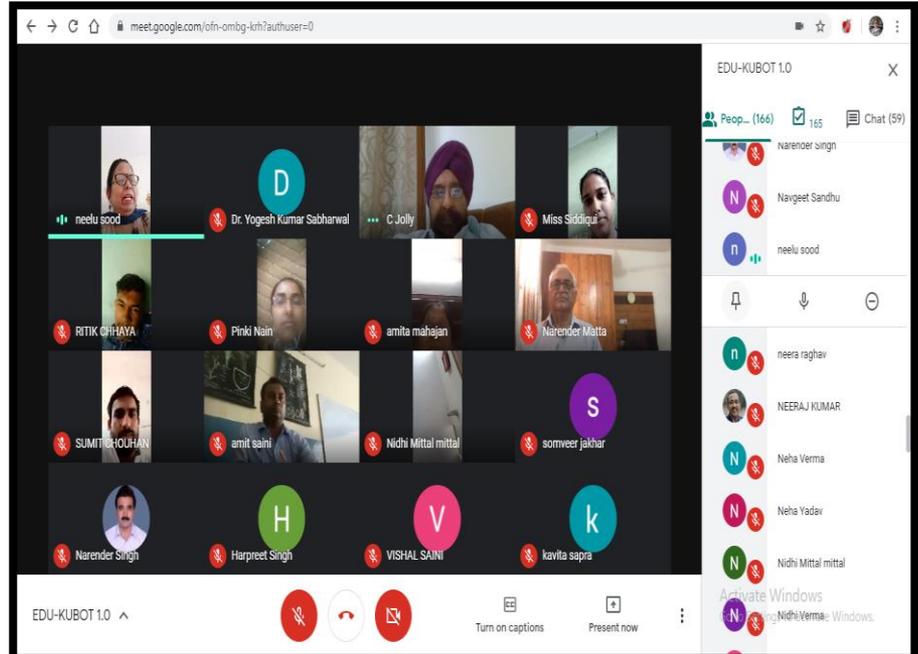
Dr Yogesh Kumar
Asst. Professor, KUK

- No registration fee
- Registration is compulsory .
- E- Certificates will be provided

Registration link:

<https://forms.gle/icqtuqcV4sWwYWDz8>

EDU-KUBOT 1.0



हमारी प्रकृति औषधीय पौधों से भरी हुई है: प्रो. जोली

कुरुक्षेत्र, यशबाबू न्यूज।

मंगलवार को कुरुक्षेत्र विश्वविद्यालय के बॉटनी विभाग तथा कार्पोरेट रिसोर्स सेंटर रूसा 2.0 की सहभागिता से एडू कुबोट के तहत बायोप्रोस्पेक्टिंग न्यू प्रोडक्ट्स फोर फार्मास्यूटिकल कॉस्मेटिक, एंजाइम एंड बायोरेमेडिएशन इंडस्ट्री पर वेबिनार आयोजित किया गया।

इस वेबिनार के मुख्य वक्ता आईएमटीएक चंडीगढ़ के पूर्व निदेशक डॉ. आरएस जोली रहे। वेबिनार की शुरुआत आर्गनाईजिंग सेक्रेटरी डॉ. योगेश कुमार ने मुख्य वक्ता तथा सभी

कुवि के बॉटनी विभाग द्वारा वेबिनार का आयोजन

प्रतिभागियों के स्वागत से की। इसके बाद विभागाध्यक्ष तथा वेबिनार की कन्वीनर प्रो. नीलू सूद ने मुख्य वक्ता की उपलब्धियों से भी सभी को अवगत कराया। डॉ. आरएस जोली ने इस वेबिनार के माध्यम से बताया कि हमारी प्रकृति औषधीय पौधों से भरी हुई है और हम लगभग 50 प्रतिशत पौधों का इस्तेमाल कर रहे हैं।

वेबिनार की चर्चा को जारी रखते हुए उन्होंने बताया कि सुपरबग्स के लगातार पैदा होने के कारण नई

दवाइयों की खोज करने की जरूरत है। उन्होंने नई दवाइयों को बनाने के विभिन्न बिंदुओं पर भी प्रकाश डाला। साथ ही साथ उन्होंने प्रतिभागियों को मेटाजिनोमिक्स, लोटस इफेक्ट, बायोरेमेडिएशन के बारे में भी अवगत कराया। इस वेबिनार में विभिन्न राज्यों के अलग-अलग महाविद्यालयों एवं विश्वविद्यालयों से लगभग 200 प्रतिभागियों ने भाग लिया। वेबिनार का समापन प्रो. नरेंद्र सिंह के धन्यवाद प्रस्ताव के साथ हुआ।



Department of Botany
Kurukshetra University, Kurukshetra
(‘A+’ Grade NAAC Accredited)



In collaboration with
Corporate Resource Centre (under RUSA 2.0)

‘EDU-KUBOT- 2.0’

A National Web Series-cum-Training Programme

on

Drug Discovery from Biodiversity: Targeting Iron

Date: June 19th, 2020 ; Time: 11:00 am to 12:30 noon

Resource Person



Dr R.S. Jolly
Former Ag. Director
IMTECH, Chandigarh

Patron

Dr Nita Khanna
Vice-Chancellor, KUK

Convener

Prof. Neelu Sood
Chairperson, Dept. of Botany

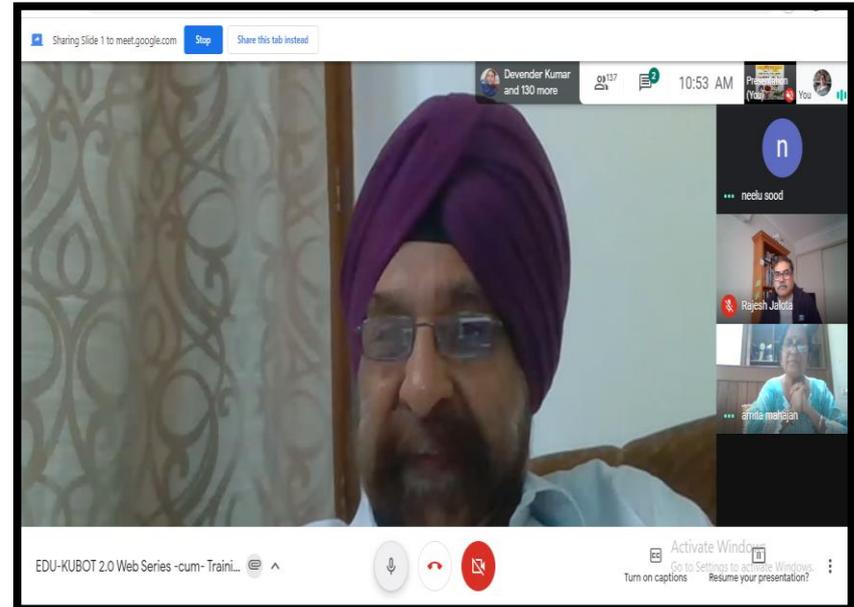
Organizing Secretary

Dr Yogesh Kumar
Asst. Professor, KUK

Registration link(Active till 16.06.2020; 8:00pm) No registration fee

<https://forms.gle/TCYH9U4CSVKDZLTu6>

- Registration is compulsory .
- E- Certificates will be provided



आयरन न कम और न ज्यादा, मात्रा संतुलित तो सेहत को फायदा: डॉ. जोली

कुरुक्षेत्र, यशबाबू न्यूज।
कुरुक्षेत्र विश्वविद्यालय के बाॅटनी विभाग तथा कारपोरेट रिसोर्ट सेंटर रूसा 2.0 की सहभागिता से एडु कुबोट के तहत ड्रग डिस्कवरी फॉर्म बायोडायवर्सिटी: टारगेटिंग आयरन पर बेबिनार का आयोजन किया गया।

वेबिनार के मुख्य वक्ता आइएमटेक चंडीगढ़ के पूर्व निदेशक डॉ. आरएस जोली रहे। वेबिनार का

डॉ. एचके शर्मा व डॉ. अंजलि अग्रवाल बनी एकेडमिक कौंसिल की सदस्य

कुरुक्षेत्र, यशबाबू न्यूज।
कुरुक्षेत्र विश्वविद्यालय की कुलपति डॉ. नीता खन्ना के निर्देशानुसार कैमिस्ट्री विभाग के प्रोफेसर डॉ. एचके शर्मा व पुस्तकालय एवं सूचना विभाग

शुभारंभ ऑर्गेनाइजिंग सेक्रेट्री डॉ. योगेश कुमार ने मुख्य वक्ता और सभी प्रतिभागियों के स्वागत से किया। इसके उपरांत विभागाध्यक्ष तथा वेबिनार कि संयोजक प्रो. नीलू सूद ने डॉ. आरएस जोली की उपलब्धियों से सभी को अवगत कराया। डॉ. जोली ने वेबिनार के माध्यम से पौधों और इसानों में उनकी उपयोगिता के बारे में बताया। उन्होंने आयरन अपटेक और

की असिस्टेंट प्रोफेसर डॉ. अंजलि अग्रवाल को एकेडमिक कौंसिल का सदस्य नियुक्त किया है। यह जानकारी लोक सम्पर्क विभाग के उप-निदेशक डॉ. दीपक राय ने दी।

ट्रांसपोर्ट के बारे में प्रतिभागियों को विस्तार से समझाया। उ

न्होंने बताया कि मानव शरीर में आयरन की अधिकता डीएनए और प्रोटीन की संरचना को गहरा नुकसान पहुंचाती है। उन्होंने कहा कि मानव शरीर में आयरन की मात्रा संतुलित होनी चाहिए। डॉ. जोली ने अपने व्याख्यान में अलग-अलग बीमारियों के इलाज के लिए खोजी जाने वाली दवाइयों में आयरन टारगेटिंग के महत्व से भी प्रतिभागियों को अवगत करवाया। इस वेबिनार में विभिन्न राज्यों के अलग-अलग महाविद्यालयों एवं विश्वविद्यालयों से लगभग 200 प्रतिभागियों ने भाग लिया। सेमिनार का समापन डॉ. सोमवीर जाखड़ के धन्यवाद प्रस्ताव के साथ हुआ।

EDU-KUBOT 2.0

Palaash Kuni



EDU-KUBOT 3.0
Web Series -cum- Training Programme
on
World Rainforest Day
Organized by:
Department of Botany
In collaboration with
Corporate Resource Centre (under RUSA 2.0)
Kurukshetra University, Kurukshetra
(‘A+’ Grade NAAC Accredited)

Resource Person



Dr Rajiv Angrish
Principal Scientist/Professor Retd.
Deptt. of Botany & Plant Physiology
COBS&H, CCSHAU, Hisar

Event details

A Talk
On
‘Free Communications in the Forest’

Date: June 22nd, 2020.
Time: 11:00am- 12:30noon

Registration Link:
<https://forms.gle/ELWKTgj51Q6JieS6>

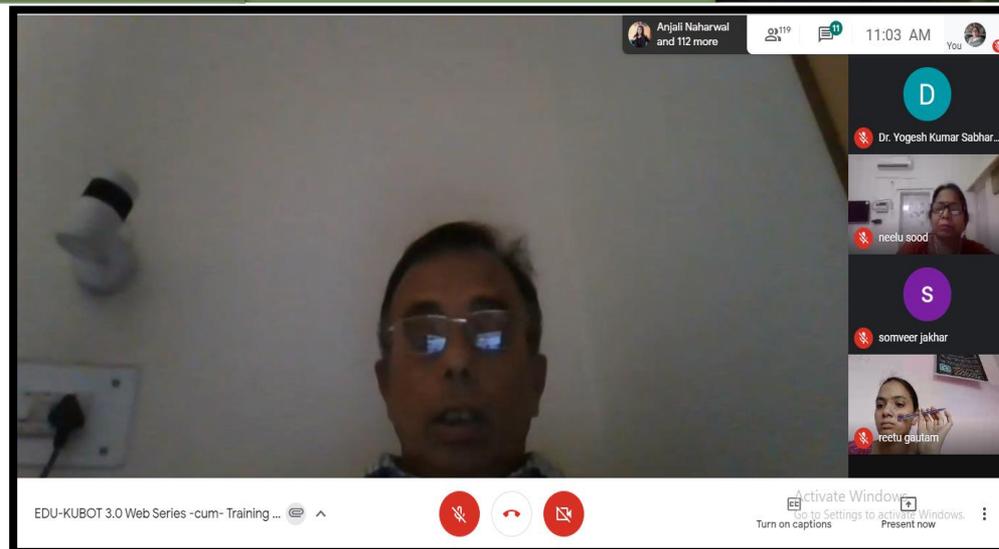


Patron
Dr Nita Khanna
Vice Chancellor, KUK

Convener
Dr Neelu Sood
Chairperson, Deptt. of Botany

Org. Secretary
Dr Somveer Jakhar
Asstt. Prof., Deptt. of Botany

Joint Org. Secretary
Dr Yogesh Kumar
Asstt. Prof., Deptt. of Botany






EDU-KUBOT 4.0
Web Series -cum- Training Programme

Organized by:
**Botanical Association
Department of Botany
Kurukshetra University, Kurukshetra
(‘A+’ Grade NAAC Accredited)**



Key Note Speaker



Dr Rajesh Jalota
Senior Environmental Officer
(Energy & Extractive)
South West Queensland
Australia

Event Details
**International Webinar
on
Land Rehabilitation: Using
Common Sense and Science**

Date: June 27th, 2020
Time: 11:00 AM - 12:00 NOON

Registration link:
<https://forms.gle/qopM2m8mAqQxpe4Z8>



Patron
Dr Nita Khanna
Vice Chancellor, KUK



Prof. Smita Chaudhry
Dean, Faculty of Life Sciences



Convener
Dr Neelu Sood
Chairperson, Deptt. of Botany



Organizing Secretary
Dr Somveer Jakhar
Asst. Prof., Deptt. Of Botany



Joint Org. Secretary
Dr Yogesh Kumar
Asst. Prof., Deptt of Botany




EDU-KUBOT 4.0 Web Series -cu... X

People (106) Chat

- neelu sood
- pooja kadyan
- Poonam Singh
- pradeep slathia
- Pradeep Yadav
- Preeti Chhachhya
- Prince Sudan
- priyanka pal
- Priyanka Sani
- Dr Geetanjali Sahni Dhawan

Private Windows
Piyanka Yadav

Rajesh Jalota

वनस्पति विकास के लिए कई बातों का ध्यान रखना जरूरी : डा. जलोटा

जागरण संवाददाता, कुरुक्षेत्र :
ऑस्ट्रेलिया के क्वींसलैंड करिष्ठ पर्यावरण अधिकारी डा. राजेश जलोटा ने कहा कि वनस्पति विकास के लिए कई बातों का ध्यान रखा जाना जरूरी है। इसके लिए जरूरी है कि भूमि के पुनर्वास पर भी ध्यान दिया जाए।

वे शनिवार को कुरुक्षेत्र विश्वविद्यालय के वनस्पति विभाग की ओर से भूमि पुनर्वास : सामान्य ज्ञान और विज्ञान का उपयोग विषय पर आयोजित वेबिनार में बतौर मुख्य वक्ता संबोधित कर रहे थे। उन्होंने वेबिनार में ऑस्ट्रेलिया में किए गए अपने काम के कई उदाहरण देकर उनके सामने खड़ी चुनौतियों का हल निकालने के रास्ते सुझाए। इसके बाद उन्होंने वेबिनार में शामिल प्रतिभागियों के सवालों का जवाब देकर उनकी जिज्ञासा को शांत किया। उन्होंने विषय को बारीकी से समझाने

कुवि के वनस्पति विभाग में आयोजित वेबिनार में हिस्सा लेते प्रतिभागी। सौजन्य : पौआखो

वेबिनार

- कुवि के वनस्पति विभाग की ओर से किया वेबिनार का आयोजन
- 10 से अधिक राज्यों के प्रतिभागियों ने लिया हिस्सा

के लिए प्रतिभागियों को उन्हें मेल पर संपर्क करने का सुझाव दिया, ताकि वह विस्तृत जानकारी उपलब्ध करवा सकें। वनस्पति विभाग की अध्यक्ष प्रो. नीलू सूद ने कहा कि मुख्य वक्ता का परिचय देते हुए विभाग की उपलब्धियों की जानकारी दी। उन्होंने बताया कि वेबिनार में 10 से अधिक राज्यों के प्रतिभागियों ने हिस्सा लिया। आयोजन सचिव डा. सोमवीर जाखड़ ने वेबिनार में हिस्सा लेने वाले शिक्षाविदों व विद्यार्थियों का स्वागत किया।

डॉन लाइफ सांइस प्रो. स्मिता चौधरी ने कहा कि ऐसे समय में इस तरह के वेबिनार फायदेमंद हैं। इस मौके पर विभाग की शिक्षक प्रो. शारदा रानी, प्रो. नरेंद्र, प्रो. बीडी वशिष्ठ शामिल रहे।



**Initiating
National Campaign
on
Van Mahotsav**

Plantation and Geo-tagging



An initiative by:
**Botanical Association
Department of Botany
Kurukshetra University, Kurukshetra
(A+ Grade NAAC Accredited)**

Patron

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Vice Chancellor, Kurukshetra University, Kurukshetra

Dr. Smita Choudhary

Professor & Dean, Faculty of Life Sciences

Dr. Neelu Sood

Professor & Chairperson, Convener

Dr. Somveer Jakhar

Asst. Professor, Organizing Secretary

Dr. Yogesh Kumar

Asst. Professor, Joint Org. Secretary

Advisory Committee

Dr. Narender Singh

Professor, Dept of Botany

Dr. C B Singh

Associate Professor, Dept of Botany

Dr. Jyoti Chauhan

Asst. Professor, Dept of Botany

Van Mahotsav is an one week tree plantation festival in India. This year Department of Botany, Kurukshetra University, Kurukshetra is initiating a 'National Campaign' on Plantation and Protection of trees. In this venture winner will be honoured with:

'Plant Warrior Award'

This award will be given by Botanical Association, Department of Botany, Kurukshetra University, Kurukshetra to encourage the students, teachers and other fellow citizens of the Nation to plant more and more trees and also take care of them. This award will be given annually to the persons who are actively engaged in saving and plantation of more and more trees and also to those who have taken a remarkable step to turn Mother Earth greener.



Invocation

It is our pleasure to announce the initiation of 'National Campaign' on Van Mahotsav, 'Plantation and Geo-tagging' by Botanical Association, Dept. Of Botany, Kurukshetra University, Kurukshetra. The Objective of the campaign is to encourage people towards tree plantation and conservation to save the mother earth. We are trying to encourage people towards sustainable use of natural resources and management of biodiversity.

Vision

Join Hands to become a Nature Savior.

Mission

Each One, Teach One How to Plant One.



Rules and Regulations:

1. Send the photographs either by planting a tree/shrub of Day one.
2. Take proper care of plants and also send photographs again after 3 months and and 6 months of plantation.
3. After 6 month entries submitted will be assessed and peoples with remarkable contribution towards the conservation and plantation of tree will be awarded by "Plant Warriors Award" and certificate of appreciation.
4. GPS location should also be sent along with the photographs.
5. Participant can mention additional information or medicinal properties known to him/her about the plants he planted or guarded.
6. Entries should be submitted preferentially through Google form/Email (If not feasible to submit Google form).
7. Detailed instruction regarding the campaign and award will be sent to email ids of participant after deadline of submission of entries.



Registration and Submission of Entries

Link

<https://forms.gle/NGMJyhQAicxRkhH48>

Last Date of Submission: July 15,2020

Take a Step with us towards the Nature

For any Query please contact:

Prof. Neelu Sood

Chairperson, Convener

Department of Botany

Kurukshetra University, Kurukshetra

Email ID : Competitionbotanydept@gmail.com

Initiating National Campaign on Van-Mahotsav

An Account of Achievements.....

Academic:

Gold Medalists



Mr. Harish
Batch: 2017-2019



Mr. Vishal
Batch: 2016-2018



Miss Anju
Batch: 2015-2017

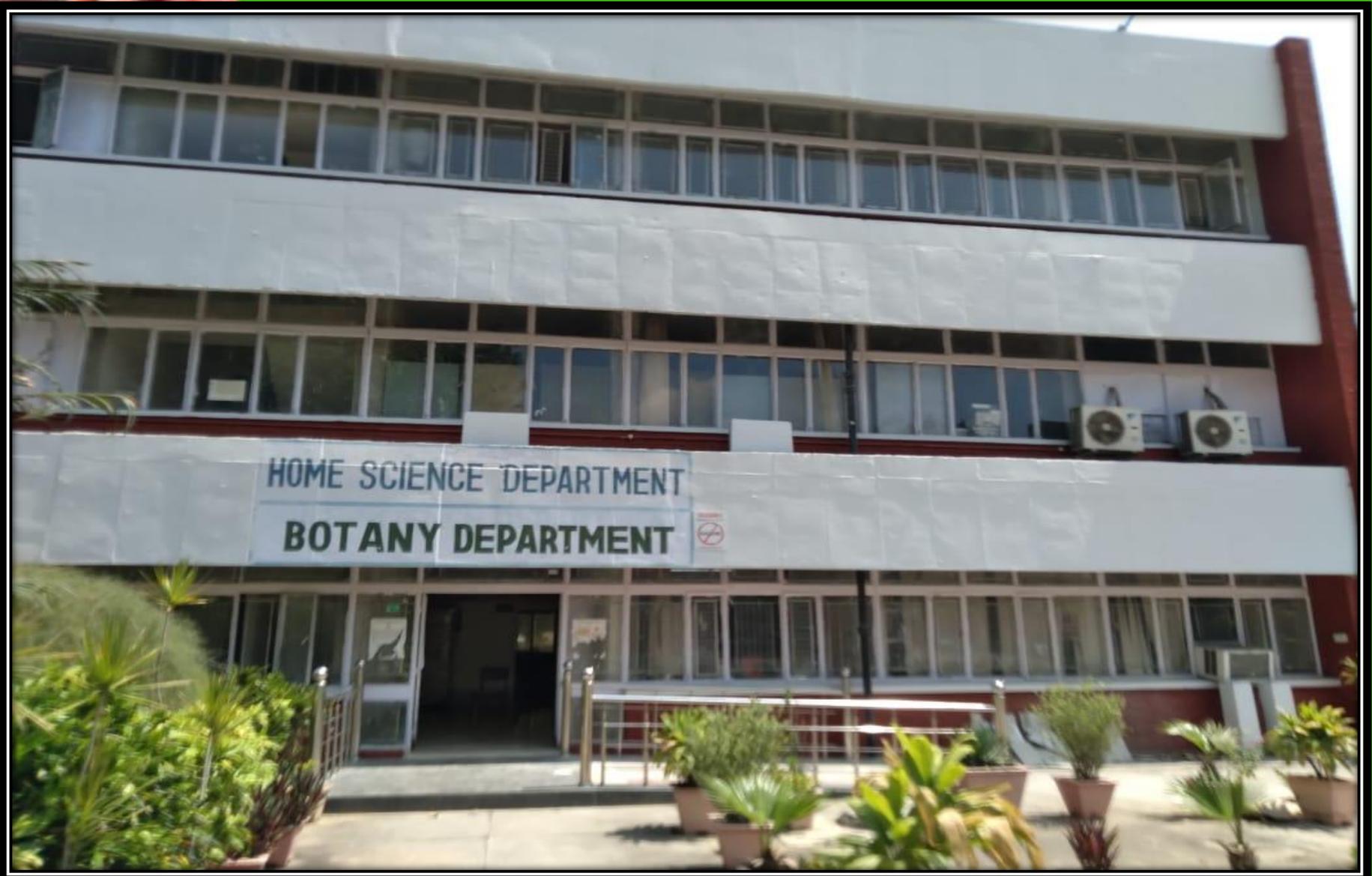
Co – curricular:

1. Rostrum Final	1 st Position	Tanya Kaushal	M.Sc. Final
2. National level Online Ppt. Presentation	2 nd Position	Aashish	M.Sc. Final
3. Online Interdepartment Competition			
• Slogan	2 nd Position	Amita	M.Sc. Final
• Essay	1 st Position	Tanya Kaushal	M.Sc. Final
• Essay	2 nd Position	Priyanka	M.Sc. Pre
4. National Level Poetry Competition	1 st Position	Tanya Kaushal	M.Sc. Final
5. INNOVISION-2019 By KUTIC	1 st Position	Amit Phogat	PhD. Scholar
(Under RUSA 2.0)	(Prize 70000/-)		
	Palaash Kuni		



Batch: 2018-2020

Your memories always will be our part; Heartfelt wishes for a fresh start



Achievers do not do different things; They do things differently....