

# MIMOSA

Newsletter from the Department of Botany

2021-22

## ***SCIENCE AND LIFE***

*Mimosa represents the sun.*

**A LEAFLET**  
*By our flowers.*





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# FROM HOD'S DESK



**Prof. Sujata  
Mahapatra**

**MIMOSA.....**A beautiful flowering shrub. Mimosa .... symbol of strength, sensitivity and sensibility.....all things feminine. I am extremely delighted to introduce annual newsletter of the department "MIMOSA" for the year 2021-22. It's a technical platform to bring out the hidden talents of the students and to showcase their achievements. Students of Botany must stand unwavered in the whirlwind of challenges, rise above failures and emerge successful. We are committed to help students learn, grow, develop and achieve their goals in their pursuit to excel in their professional career. It is high time females must pursue science as career option and contribute to national workforce in science and technology. I am sure that the students of the department would justify the credibility of the department by showing high level of academic and professional competence in their respective field. I admire the contribution of our coordinator, our student editorial board, faculties and alumni for doing the best work and to make this process a success. The talent, events and achievement of our students and alumni of the Department is imprinted in this booklet

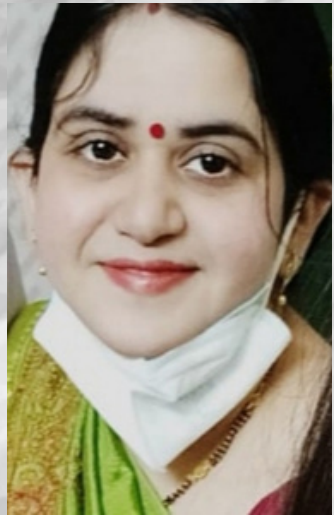
Best wishes

A small, square image of a handwritten signature in blue ink, which appears to be "Sujata Mahapatra".

# PLANTAE PERSONA



**PROF. SUJATA MAHAPATRA**



**Dr. SIBANGINI MISRA**



**Dr. SWATI KANUNGO**



**Dr. MANISHA DAS**



**Ms. SWATI  
RITUPARNA**



**Ms. SATABDI DAS**



**Dr. REBATI KANTA  
MOHARANA**



**Mr. NARAYAN PRADHAN**



**Mr. SUDARSHAN PARIDA**

# WORK BY OUR FLOWERS



**Clicked by -  
Payal Swain  
2nd Year**



**- Disha Darshini  
1st Year**

*Me and my Miss Eve  
relishing the flying leaves  
with gentle breeze.*



*Capturing views  
full of tender kids  
Laugh, fight side by side.*



*Aaha!!*

*Speaks our lips  
What a beautiful memory it is. ❤️*

*Ask eve: "Remember",  
"Forever", I replied.*

*Now it's time to say*

*👏 "Bye Miss Eve" 👏*

*Suddenly a voice came from behind*

*Hello!! Dear,*

*You are mine*

*I'm here with two glass of wine. 🍷*

*Wello!! Mr. Dark,*

*let's create our park 🌿*

*with FUN as a landmark ❄️*

*And No past remarks.*



**- Subahshree Swain  
2nd Year**



SHOT ON POCO X3

**Clicked by-  
Sushree Sangeeta Sahoo  
2nd Year**



**-Padmaja Behera  
1st Year**



**- R.Rajeswari Sethi  
1st Year**

# MOTHER'S DAY

My dear mother

Its your day

Enjoy it to the fullest,

Keeping all your worries away.

May you be fit and fine

Like that always

May your face be always  
adorned with a smile,

As warm and bright as the  
sun rays.



For all the life lessons

For your support and patience

| am indebted to you mother,  
For all your care and affection.

To all my happiness

You are the key

Dear mother

You are an angel for me.

**- Ipsita Dwibedy  
2nd Year**



**- Sushree Sangita Rout  
2nd Year**

## Scientific Reasons Behind Hindu Culture

For centuries, Hindus have observed countless rituals and traditions from dawn to dusk in their everyday household chores. Some are mentioned in vedic scriptures and some are added later during the ages of Brahman scriptures. Modern age is the age of science while conservative Hindus follow the rituals religiously, our intelligentsia have found Scientific reasons behind Hindu rituals and culture. According to Albert Einstein, "Science without religion is lame, religion without science is blind."

Science was as integral part in ancient Indian culture.

Some Scientific reason behind hindu culture-

- 1) Namaste : It is a way Hindus give respect to others. Joining both hands ensures touching the tips of all the fingers together, which are linked to pressure points in the eyes, ears and mind. Pressing them together is said to activate these, helping us remember that person for a long time.
- ii) Applying Sindoor / Kumkum on the Forehead : Sindoor is prepared by mixing turmeric, lime and the metal mercury. Mercury controls blood pressure. Sindoor should be applied right upto the pituitary gland where all our feelings are centered.
- iii) Surya Namaskar : Hindus have a tradition of paying their respects to the sun God early in the morning through Surya Namaskar. Hindus chant prayers to sun by offering water, during this we look at the sun rays through the water. This is good for eyes as it improves vision waking upto follow this routine ensures we are prone to a morning lifestyle.
- iv) Fasting : As per Ayurveda, Indian treatise on medicine and herbs, the basic cause of any ailment is the growth of tonic materials in the stomach. Fasting helps us cleanse that tonics gathered in our digestive system. Fasting gives rest to our entire digestive system and organs in body.
- v) Touring Elders Feet : Cosmic energy flows in our body from one end to another, It is connected between two minds and hearts. It is this energy that is transferred through hand shakes and hugs, therefore when we touch feet of our elderly, it is transferred to the one who touches the feet.

- Sweta Mohanty  
1st Year

## Tension

The moment you are in tension you will lose your attention, then you are in total confusion, and you feel irritation.

Then you will spoil personal relation, Ultimately you won't get Cooperation.

Then you B.P. may also rise , to high proportion !

And you may have to take medication.

Instead understand the situation,

Many problems can be solved by discussion.

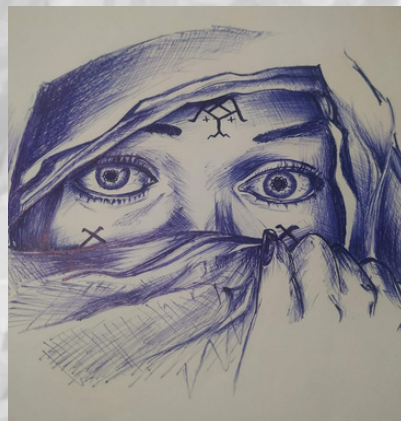
Do not take it as Mr. Free's suggestion,

It is for you to take precaution.

If you understand my intention,

You will not come again in tension,

- P.N.Priyanka Swain  
1st Year



- Payal Swain  
2nd Year



Clicked by-  
Ipsita Dwibedy  
2nd Year

Clicked by -  
Somyasree Priyadarsini  
2nd Year



## WOMEN IN SCIENCE

excellence in science is the concept that India has been familiar with since Vedic times ,and women have been an active part of this quest of knowledge .when it comes to men in science , the pages of history often ignores the contribution of a prominent few whose exemplar contributions led to evolutionary discoveries .the international women's day we celebrate these unsung Indian women in science:

### KAMAL RANADIVE

She is known for her immense contribution in the field of cancer research, Kamal Ranadive was one of the India's first women cell biologist and scientist. she setup the first tissue culture lab in the country, as shaped iconic institutions like Indian cancer. Kamal was the founder of the Indian women scientist association which was shaped with a mission to bring more women into field of science.it is one of the top scientific association in India today with more than 2000 students. Kamal, who worked to uproot malnutrition in tribal women and children post-retirement ,received the Padma Bhushan in 1982.

### ASIMA CHATTERJEE

she born in a middle -class family in 1917, she is the second women in the country to gain a doctorate in science . Asima study on the Madagascar periwinkle plant contributed to the development of drugs used in chemotherapy to slow the growth of cancer cells. She was the first women scientist to hold a position in any university in the country.

In 1975, she received the PADMA BHUSAN AWARD and was elected as the general president of the Indian science congress association .

### BIBHA CHOWDHURI

Bibha Chowdhuri is arguably Indian first women researcher and she was the first in the world to discover a new subatomic particle, all through her life she was on a mission to discover the hitherto hypothetical cosmic ray particle but she gave up due to the lack of high quality photo plates during world war II.

### E K JANKI AMMAL

she was the first women scientist to receive the Padma shri award in 1977.she is one of the India's first PhD (botany) holder. She is known for her studies on sugarcane and egg plant. Janaki worked as an cytologist at London's premier John Innes horticultural institute.in 1984 , she passed away while working at her research lab .

### MARIE CURIE

In 1911, She got noble prize in chemistry by the discovery of the elements radium and polonium, by the isolation of radium and the study of the nature and compounds of this remarkable element.

MARIA GOEPPERT-In 1963, she got Nobel prize for discovery of nuclear structure.

## - Sasmita Samantray 1st Year



## - Subhahsree Swain 2nd Year



## - Sanjana Bera 2nd Year

### THE DUNE :INSPIRATION TO REVOLUTION

The saga of science fictions started since the day, the world rose to a new morning. From the atom, being the smallest particle to the human brain, being the most social and intelligent scribe home, we have never failed to include science in our books and looks. The earliest roots of science can be traced to ancient Egypt and Mesopotamia is around 3000 to 1200 BCE. This was when it was recorded. The truth however can't be denied that our science is way older than our reach.

Looking at the past however, can be blur at times. But authors like FRANK HERBERT have always been the deity of 'coming of ages'. He was the one who shook the world with the 'DUNE REVOLUTION'. Those who are new to the world of Dune but old to the world of books should join the fandom of this chronologically ordered set of 22 books. These 22 books include 6 books by Franck Herbert and the extended versions demonstrating the last and lasting of the originals by BRIAN HERBERT AND KEVIN J. ANDERSON.

The books by FRANK Herbert includes are:

- 1.Dune(1965) (FH)
- 2.Dune Messiah(1969) (FH)
- 3.Children of Dune(1976) (FH)
- 4.God emperor of Dune(1981) (FH)
- 5.Heretics of Dune(1984) (FH)
- 6.Chapterhouse:Dune(1985) (FH)

FH: Frank Herbert

BH: Brian Herbert

KJA: Kevin J. Anderson

After Herbert's novel THE DRAGON IN THE SEA was published in 1957,he travelled to Florence, Oregon at the North end of Oregon Dunes. The USA agricultural Institute noticed that the sand dunes are in a verge of swallowing the lakes, ponds, cities and highways. They were trying to subdue the sand dunes by using poverty grasses. Already interested in monsters and super powers, Herbert's interest in desert and ecology sparked at this point. An incomplete article and hopeless night were all the hurdles he faced before he brought in the DUNE revolution. He integrated the truth of science and his professionalism in fiction and equated a perfect combo of belief and disbelief. With sprinkles of thriller and tint of ecstasy he invaded the world of science fictions again and DUNE became the Synonym of EPIC-MONARCH and TRUTH. Robert always believed in the drive of world by a universal super power and entity which was completely reflected in this series.

SCIENCE FICTIONS ARE ALWAYS GOOD READ.

## - Pratiksha Priyadarshini Panda 1st Year



# EVENTS



**NATIONAL  
SCIENCE DAY  
CELEBRATION**

**FRESHER'S DAY  
CELEBRATION**



**WOMEN'S DAY  
CELEBRATION**

# ALUMNI CORNER

I was walking through the corridor,  
And ended in front of a golden door.  
Pushed it hard to open it,  
Able to see the darkness through the slit.  
With the darkness prevailing,  
And my body shivering,  
I stood there with my soul quivering.  
A light flickered for a moment,  
Bringing a sense of enlightenment.  
I rubbed my eyes, tried to look hard,  
Sudden jerk and appeared a nomad.  
He grabbed my hands led to the darkness,  
With all my emotions exploding and feeling farness.  
He took me to the grasslands,  
And to the stunning scenic riverlands.  
He taught me to be wildflower  
To grow and bloom anytime anywhere.  
~ Suvangi... 🌱



- Amrita



- Sandhya

**MIRAQUILL**  
**Dear Teacher**

Your blackboards reflect more knowledge than google's representation.  
Your guidance is more valuable than subscribed study channel's notifications.  
Your interpretations touch us more than any powerpoint presentation.  
Your words rhythm better in our ears than virtual explanations.  
Your vivid diagrams help us more than any youtube animation.  
Your silence hurts much more than poor network connections.  
Websites contain only informations.  
You teach us values wrapping around informations.  
Thank you teacher for all your contributions.  
We would look up to you rather than any edu application.  
©srushtiprajna1996

- Shrustipragyan Mohanty



-Niharika



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