



G E O S



Vol-8 Issue-1 April 2021

ACHIEVEMENTS

Welcome to the academic year 2020-2021. In this issue we are focusing on the activities held by the Department of Geology and Club Nebulites, students' club of the Geology Department. I thank my whole team for making this issue possible. I hope you will enjoy it.

~Siddhi S Shirodkar

AGENDA

- Departmental Achievements
- Events by the Club Nebulites
- Alumni Interaction
- Internship
- Geological Treasure
- Brain teasers/Amazing facts



Ms Lisa begs first place at Geosphere, an intercollegiate student's presentation organized by Geological Society of Goa.

[Read More](#)



Mast. Shahbaz Nandihalli won a gold medal in Open National Karate Championship.

EVENTS BY THE CLUB NEBULITES



Nebula 2020

The nebula event was held on the 10th and 11th of February. Day1-the epic finale (of all competition) and day 2-the talk and spreading knowledge. [read more](#)



Poster Competition and Induction Programme

[Read more](#)



CONTROL CRICKET

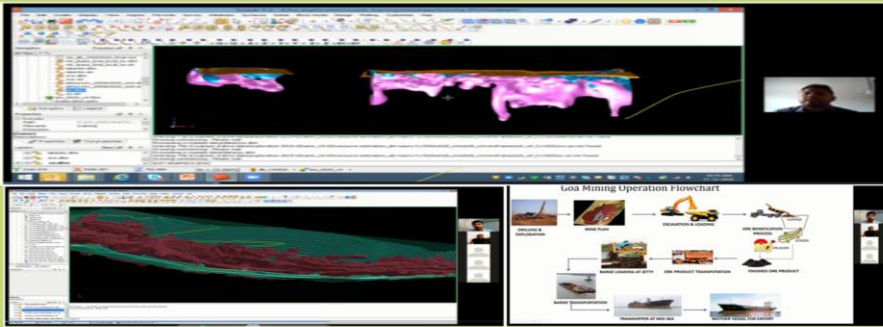
Control cricket event was organized by the Nebulites Club for the students of Department of Geology. It was a 1-day event and was held on October 2nd 2019. Students of the Second year were the winners of the Control Cricket League.



Nebula Futsal League, Department of Geology

The Nebula Futsal League was a successful attempt in bonding among the students of all years of the Department of Geology. [Read More](#)

ALUMNI



Student-Expert cum Alumni Interactive Session

The Department of Geology organized a Student- Expert cum alumni interactive session on the topic "Role of Exploration Geologist". The speakers were Vikas Peeru, Deputy Manager Exploration, Vedanta Ltd. and Santosh Ghadi, Deputy Manager Mine Planning, Vedanta Ltd. [Read More](#)



(Second from left)

Going beyond the visible horizon:

In a candid chat with Mr. Assif Olivero Ferrao, our alumni pursuing higher studies abroad. [Read More](#)



Going beyond the visible

horizon: In a candid chat with Mr. Rizlen Quadros, our alumni pursuing higher studies abroad.

[Read more..](#)



Interaction with our Alumni- Kiran Sawant Desai

Mr Kiran Sawant Dessai is a well-known person in Goa for his great work and profession in the field of hydrogeology and groundwater. [Read More](#)



Student- Expert interaction by Mr. Akshay Kelkar

An expert interaction talk was organised by the Department of Geology to enlighten the budding undergraduate students with the avenues available in the field of Geology.

[Read more...](#)

If you are one of our alumni, please take a few minutes to fill the alumni form on this the [link](#)

INTERNSHIP

Dip Direction



Dip Direction is a Geotechnical services company, founded in 2013 in Goa, India. The Company has business interest in borewell drilling, Geophysical Exploration, Engineered Water Solutions and Mines & Minerals. [Read More](#)

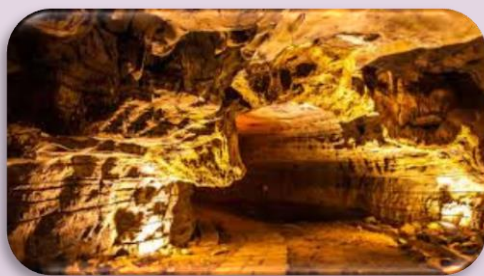
Coastal Zone Management Plans



The Department of Geology in collaboration with the NGO Rainbow Warriors carried out a massive exercise of preparing Draft Coastal Zone Management Plans for several villages across Goa. The entire exercise was carried during the months of August-September. A total of 36 Students from the Geology Department and one student from the Physics Department were involved in the exercise. The students were guided by Assistant Professor Malcolm Afonso. [Read More](#)

Geological Treasure

GEOLOGICAL WONDERS OF INDIA



Belum Caves, Andhra Pradesh



Lonar Crater Lake, Maharashtra



Columnar Basalts, Karnataka



Fossilized Dinosaur eggs, Gujarat

[Read More](#)

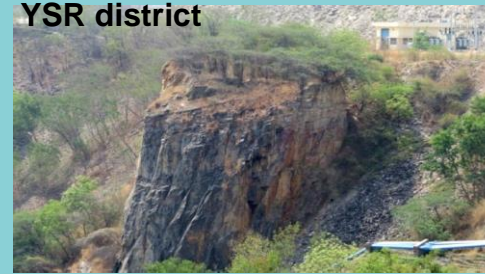


A kauri tree, *Agathis australis*, shows evidence of magnetic pole reversal from the last ice-age from 42,000 years ago stored in its growth rings. These kauri trees have been preserved in sediments for over 40,000 years, and using these trees, one can measure, and date the spike in atmospheric carbon caused by the collapse of the Earth's magnetic field.



A meteorite was discovered in the desert regions of Algeria and further studies has revealed it to be a piece of an ancient planet that may be older than the Earth itself. Further studies have revealed that its texture resembles volcanic rocks, which means it could have once been a part of the crust of a protoplanet (tiny/dwarf planet).

Bedded Barytes, Manganpeta, YSR district



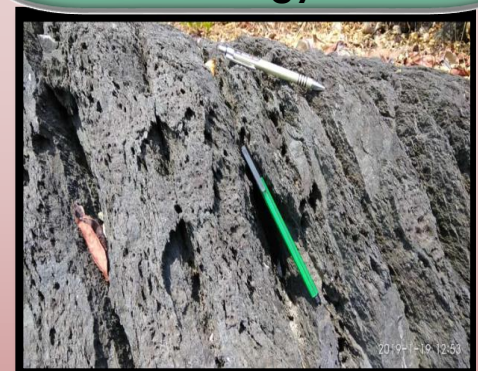
Bedded Barytes in Manganpeta is the largest baryte deposit in the world. It constitutes about 98% of India's barytes reserve and 28% of the world's baryte reserve which occur as pure barium sulphate. It is situated in the crescent shaped Cuddapah basin of Proterozoic.

Marine Gondwana Fossil Park, Manendragarh, Sarguja District



Marine Gondwana Fossil Park is located in the Manendragarh, Sarguja district of Chattisgarh. Spread across an area of 16,200 sq m, the park is characterized by the unique exposure of fossiliferous marine Permian (280 – 240 Ma) Carbonaceous Shale rocks of Talchir Formation belonging to Gondwana Supergroup.

Local Geology Corner



The picture describes about one of the Geological Exposure at the Polem, Canacona. This area belongs to The Barcem Formation of the Goa Group of Rocks. The rock is foliated imparting schistosity. The trend of the schistosity is N32°E-S32°W. Mineralogically the rock contains a mineral that is unidirectional, prismatic in habit, dark colour which reveals that it is hornblende and the rock is hornblende-schist.

Department of Geology to launch a new community driven project titled "Geology of Goa"

Geology of Goa has been a subject of intense study during the past, several noted geologist have worked and mapped the geological resources of Goa. There is a vast literature already published on the subject with beautiful description and a few photographs of the outcrops. It is noted that most of the work was done several decades earlier when the use of technology such as GIS was not very widespread as it is today. [Read More](#)

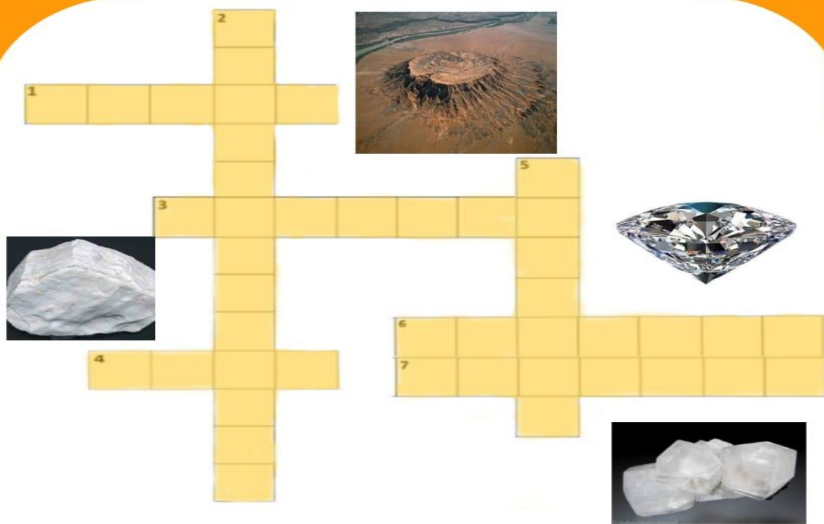
Did You Know?



Did you know more than 5,000 tons of extra-terrestrial dust fall to Earth each year? These interplanetary dust particles pass through our atmosphere and give rise to shooting stars.



This is a naturally burning flickering flame is a result of natural gas pocks under a waterfall.



Hint

- 1) Flat topped sea mount
- 2) Study of Landforms and sediment at earth surface
- 3) Pitchblende is important ore of it
- 4) Softest Mineral
- 5) It's the commercial name of beryl
- 6) Hardest Mineral
- 7) Common mineral present in marble

Did You Know?



Halite is the edible mineral. You eat it everyday



This Mineral is known as "Talc". It can be crushed into a white powder that is widely known as "Talcum Powder"

Geology Word Search

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M I O O U T E R C O R E P T S T L
O S P R U R C E I L N K L A O P G
T G E M S T O N E E Y A R T N A L
C Y T I M I N I N G R U C C N A E
E N R L S E G K O E O Q I L T A T
I T O A R M L L N N I H A S O M M
L E L C T E O I P E P T Y T K V F
A P O U Y N M L G R E R O S I O N
U R G C A A E M O H C A R O S A E
E E Y C G F R M A G A E T S C L G
F P L M G E A O I H Y O I R I L Y
T U A G R T T E G D K L T O N U G
V O A G E O E F N O E C L G O V O
T L A M G T E R E H P S O H T I L
E Y Y V A R O L O G T S U R C U O
I A N L T C R R U C O A G E E M E
A E P M E O L M S M K T A G T E G
    
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Aggregate	Geology	Outer Core
Alluvium	Igneous	Petrology
Conglomerate	Inner Core	Plate
Crust	Lithosphere	Rock
Crystal	Loupe	Rock Hammer
Earthquake	Magma	Sedimentary
Erosion	Mantle	Seismology
Fault	Metamorphic	Tectonics
Fossil	Mineral	Volcano
Gemstone	Mining	Vulcanology

Geologists have a
Saying
"Rocks remember"

- Neil Armstrong

Quibed

Thank You

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