



JANUARY EDITION 2022

PARITRAN

OFFICIAL NEWSLETTER OF CONXERV



Highlights:

Latest news on:

*Climate Change,
Sustainability and Human
Development from around
the globe*

The SDP Journey:

*Center for the Sustainable
Use of Natural and Social
Resources
Saptarhi Patra
Somesh Das*

Centre for Youth and Social

*Development
Arati Mishra
Arshbir Kaur
S Sohan Kumar
Saumik Mandal*

Achievements:

Undergraduate Achievements

Introduction:

ConXerv is the functional committee of the School of Sustainability. The committee was established in the year 2015 with the goal of creating an enriched atmosphere that promotes sustainable learning and holistic development, with the goal of assisting the student community in reaching their full potential and serving as transformational leaders for a sustainable future.

The purpose of this newsletter is to raise environmental awareness among students at XIM University. We are pleased to provide you with the January edition of our newsletter, Paritran, in order to empower XIM University students and keep them up to date on the most recent achievements in the field of sustainability.

This edition of our monthly newsletter brings to you the latest buzz in the sustainability sector, also the continuation of our interview series with the MBA-SM batch 2020-22 sharing their 'Sustainability Discovery Programme' experience and learnings. We also have a dedicated section for the School of Sustainability - undergraduate Achievements.

Sustainable funds face threat from tech sector turmoil
January 18, 2022

Environmental, social and governance-focused funds face a more uncertain outlook in 2022, as pressures mount from research costs and hits to the big growth stocks that have helped power the investments' outperformance.

Read more at:

<https://www.ft.com/content/415bcf2a-c9d5-4a1a-90bb-80ac8d3bc43c>

Oceanographers rejoice after pristine coral reef
discovery in Tahiti

January 25, 2022

Diving in the waters off of Tahiti's tropical coastline, marine researchers uncovered one of the largest coral reefs ever found. And, unlike many of its counterparts, it appears to be completely unaffected by human activity.

Although they occupy just 0.1 per cent of the ocean floor, coral reefs are home to a quarter of all marine life.

Read more at:

<https://www.euronews.com/green/2022/01/20/we-know-so-little-oceanographers-rejoice-after-pristine-coral-reef-discovery-in-tahiti>

Commission calls for environmental sustainability to be
at the core of EU education and training systems

January 14, 2022

A new European competence framework on sustainability published by the Joint Research Centre, also available today, maps out the competences needed for the green transition, including critical thinking, initiative-taking, respecting nature and understanding the impact everyday actions and decisions have on the environment and the global climate.

Read more at:

https://ec.europa.eu/commission/presscorner/detail/en/ip_22_327

'Throwaway economy' thwarting climate goals: Report
January 19, 2022

Countries are neglecting the massive impact of the "throwaway" economy on planet-warming emissions, according to research published Wednesday that calculated more than half a trillion tonnes of virgin materials have been consumed since the 2015 Paris climate deal.

Read more at:

https://economictimes.indiatimes.com/news/environment/global-warming/throwaway-economy-thwarting-climate-goals-report/articleshow/88986386.cms?utm_source=contentofinterest&utm_medium=text&utm_campaign=cppst

India urges countries to join high ambition coalition to
meet 30x30 target to protect

January 6, 2022

India on Thursday urged countries to join the 'High Ambition Coalition (HAC) for nature and people' to push for a global goal to protect at least 30% of the planet by 2030 - called 30x30 target - under the Convention on Biological Diversity (CBD).

Read more at:

<https://economictimes.indiatimes.com/news/environment/the-good-earth/india-urges-countries-to-join-high-ambition-coalition-to-meet-30x30-target-to-protect-the-planet/articleshow/88740472.cms?utm>

Tata Power scores high on ESG in S&P Global's
Corporate Sustainability Assessment results

January 8, 2022

Tata Power has secured the highest environment, sustainability and governance (ESG) score among its Indian peers in S&P Global's recently released Corporate Sustainability Assessment (CSA) results.

Read more at:

<https://www.livemint.com/companies/news/tata-power-scores-big-on-esg-in-s-p-global-s-corporate-sustainability-assessment-11641643807463.html>

Construction, operation of buildings responsible for 38% global emissions: WEF

January 28, 2022

Construction and operation of buildings are responsible for 38 percent of global emissions and there is an urgent need for solutions to help accelerate decarbonization of the urban-built environment to limit the global temperature rise to below 1.5°C, the World Economic Forum said in a paper

Read More at :

<https://www.hindustantimes.com/environment/construction-operation-of-buildings-responsible-for-38-global-emissions-wef-101643373661702-amp.html>

India needs to spend 11% of GDP to meet target

January 26, 2022

If India were to achieve net-zero emissions by 2050, it would have to spend an average of \$600 billion annually for the next 30 years, which means as much as 11% of its GDP, consultancy firm McKinsey and Company said in a report on Tuesday.

Read More at :

<https://www.hindustantimes.com/environment/india-needs-to-spend-11-of-gdp-to-meet-targetreport-101643150394255-amp.html>

Decarbonization tech instantly converts carbon dioxide to solid carbon:

January 19, 2022

The carbon dioxide utilization technology from researchers at RMIT University in Melbourne, Australia, is designed to be smoothly integrated into existing industrial processes.

Decarbonization is an immense technical challenge for heavy industries like cement and steel, which are not only energy-intensive but also directly emit CO2 as part of the production process.

Read More at :

<https://www.sciencedaily.com/releases/2022/01/220119121411.htm>

A New Way to Store Sustainable Energy: 'Information Batteries'

January 31, 2022

Researchers propose a new way to deal with the intermittency of wind and solar energy sources – and store green energy cheaply and efficiently. A future powered by sustainable energy sources could save the world from devastating climate change and reduce energy bills.

Read more at:

<https://viterbischool.usc.edu/news/2022/01/a-new-way-to-store-sustainable-energy-information-batteries/>

A catalyst for more efficient green hydrogen production

January 14, 2022

Hydrogen -- especially carbon-free green hydrogen -- has emerged as a promising clean energy carrier and storage option for renewable energy such as solar and wind. It adds no carbon emissions to the atmosphere, but currently is costly and complex to create.

Read more at :

<https://www.sciencedaily.com/releases/2022/01/220114153429.htm>

Australian start-up wants to fight deforestation with an army of drones

January 5, 2022

Using a fleet of highly advanced octocopters, AirSeed Technology is fighting deforestation by combining artificial intelligence with specially designed seed pods which can be fired into the ground from high in the sky.

Read more at:

<https://www.euronews.com/green/2022/01/05/this-australian-start-up-wants-to-fight-deforestation-with-an-army-of-drones>

The SDP Journey



A brief interview with Somesh Das and Saptarshi Patra, Batch of 2020-22 describing their experience regarding 'Sustainability Discovery Program'.

Q1. Which was your SDP Organization and what were your assigned tasks?

Program Organization – Center for the Sustainable Use of Natural and Social Resources (CSNR), Bhubaneswar

Project Name – Resource Mapping of Villages

Q2. How was your experience and what things did you learn from the field visit?

Our experience was extremely fruitful, it was a great learning experience.

This fieldwork experience taught us about the social institutions of the villages. We learned about the community and its people, such as their way of life, culture, customs, traditions, norms, and so on. We also learned about the gender inequality in the village and how women are perceived. We learned about the village's family culture and educational systems, with a focus on the impact and participation of women in both aspects.

Q3. Do you think the practical experience in SDP will influence your decision-making in the future ?

This SDP was an eye-opening learning experience. It has embodied in us a desire to contribute to and benefit society in whatever way I can in the future.

The SDP Journey



A brief interview with Arati Mishra, Arshbir Kaur, Saumik Mandal and S Sohan Kumar, Batch of 2020-22 describing their experience regarding 'Sustainability Discovery Program'.

Q1. Which was your SDP Organization and what were your assigned tasks?

Program Organization – Centre for Youth and Social Development(CYSD)

Project Name – Agriculture Production Cluster (APC)

Q2. How was your experience and what things did you learn from the field visit?

On-the-ground interaction with the community was exceptional. It was unfiltered reality. The gust of joy that came as a sweet gift wrapped in modesty and simplicity sums up my entire journey.

Our learnings included honing our time management skills as well as development of analytical abilities as a result of the various social surveys and focus group discussions. Being patient and understandings were two constants and our key takeaways. Apart from that, we learned a lot about a farmer's work and produce.

Q3. Do you think the practical experience in SDP will influence your decision-making in the future ?

Certainly, given the variety of people we met and surveyed, a significant amount of spontaneous decision-making abilities, as well as the ability to deal with and respond to various stakeholders, were instilled there and then.

School of Sustainability- Undergraduate Achievements

Shagun Kar's Achievement

Shagun Kar, an undergraduate student of XIM University, was selected for the Women2Women Virtual University- India and Pakistan Program (W2WVU). W2WVU is a program hosted by Empowered Peace and sponsored by the U.S. Mission Pakistan in partnership with the U.S. Mission India. This program consists of eight, 90-minute live virtual presentations from established skills training and leadership professionals from the U.S., Pakistan, and India.

Upmanyu Dutta's Achievement

Upmanyu received the First Prize during the conduct of Inaayat initiative titled "Talaash- Awaits You" for the event KALPANA (The Photography Competition), held on 7th November, 2021 at XIM University, Bhubaneswar. The theme of the photography competition was "inner peace".

Shruti Xess's Achievement

Shruti Xess, an undergraduate student of XIM University, along with Dr. Pradeep Mehta, the Chairman of Central Himalayan Institute for Nature and Applied research, worked collaboratively on the topic "Smokeless Stove: An innovation for a Healthy Living". This topic got published under the title 'Energy Review', and it got published in the January month of the year 2022.

Millennium Fellowship Project

Three Undergraduate students, Shagun Kar, Subhashree Satapathy, and Avantika Datta got selected for the Millennium Fellowship Project. This is a semester -long leadership development program presented by United Nation Academic Impact and MCN that happens on campus and helps in boosting the social impacts to new heights.

School of Sustainability- Undergraduate Achievements

Abhilash Sachdeva, Vedant Vaibhav, and George Madhavapali's Achievement

Abhilash Sachdeva along with Vedant Vaibhav Sahoo and George Madhavapali participated in X-CUBATE'S (Students Entrepreneurship Wing of XIM University) annual flagship event "E-Start Bootcamp 2022" which was organized by Startup Odisha in collaboration with Institution Innovation Council, XIM University and Xavier Council of Innovation. They presented about their startup of "Handy Rasoi" which deals with ready to cook food Mixtures and dehydrated vegetables to help bachelor and working people. Their products are made out of 100% Natural Ingredients with 0% preservatives and no synthetic flavour and colour. They are also working with Tiny Science Lab and few more startups to come up with sustainable and biodegradable packaging materials. The products were also made available on Amazon India. They also secured the first position out of both the campuses and qualified for the next round.

