



# PARITRAN



## HIGHLIGHTS

### **Latest News On**

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

### **Events:**

*World Environment Day  
&  
Immersion Course*

### **Achievements:**

*Undergraduate Achievements*

## INTRODUCTION

*ConXerv is the functional committee of the School of Sustainability. The committee was formed in the year 2015 with the aspiration to create an enriching environment that fosters sustainable learning and holistic development, intending to help the student community reach their highest potential and be the torchbearers of change for a sustainable driven future.*

*The intent of this newsletter is to help the students at XIM University be more environmentally aware. To empower the students in XIM University and help them stay updated about the latest developments in the field of sustainability, we present to you the August edition of our newsletter, 'Paritran'.*

*Along with news from the sustainability world, we have Mr Sanket Kumar Tripathy, the batch of 2018-20 and Miss Niharika Parasar, the batch of 2016-18, sharing their views on the day of World Environment Day, which was collaborated with the Alumni Committee. We have also conducted a National Level Immersion Course with Prof. Tamoghna Acharyya and other esteemed speakers. We will have a dedicated section for the School of Sustainability - Undergraduate Achievements from this edition onwards.*

# WORLD ENVIRONMENT DAY 2021

On World Environment Day 2021, **ConXerv and Alumni Committee - Sustainability Management** jointly conducted a Webinar on Ecological Restoration.

A day which is celebrated to express our gratitude towards nature for bestowing us with the air we breathe, the water we drink, and the food we eat, which enhances our wellbeing and provides essentials for our survival. This day is also celebrated to encourage awareness and prepare action plans for the protection of the environment. The theme for this year's Environment Day was Ecological Restoration which focuses on repairing the damage caused by human activities to the natural ecosystems and seeks to return them to their original state.

Two guest speakers for the event were our notable Alumni, **Mr Sanket Kumar Tripathy** of the batch 2018-2020, Sustainability Manager, Desert Resource Centre and **Miss Niharika Parasar** of batch 2016-2018, a Doctoral Student at MICA who addressed us regarding Ecological Restoration.



**Mr Sanket Kumar Tripathy**  
*Sustainability Manager,  
Desert Resource Centre*

**Mr Tripathy** shared his passion for community development through his other passion of photography. He showed us how camel milk is used for business development in Pokhran, Jaisalmer, Rajasthan. He initiated the monologue with the emergence of desert eco-restoration. Keeping climate change in mind the increasing desert drought should be dealt with in innovative ways with the currently available resources.



**Miss Niharika Parasar**  
*Doctoral Student at MICA*

**Miss Niharika Parashar's** conversation was focused on catering for the future corporate world that the students will be heading towards. She talked about the gap between sustainability managers and the capitalists and stakeholders, in terms of awareness and understanding. Her speech was summed up with advice to read "Conscious Capitalism".

**Combining perovskite with silicon, solar cells convert more energy from sun (August 17, 2021)**

To fully harness the potential of sunlight, scientists have been trying to maximize the amount of energy that can be extracted from the sun. Researchers now describe how pairing metal halide perovskites with conventional silicon leads to a more powerful solar cell that overcomes the 26% practical efficiency limit of using silicon cells alone.

*Read more at:*

<https://www.sciencedaily.com/releases/2021/08/210817111439.htm>

**Nutrient-rich human waste poised to sustain agriculture, improve economies (August 19, 2021)**

The future connection between human waste, sanitation technology and sustainable agriculture is becoming more evident. According to a civil and environmental engineering professor, countries could be moving closer to using human waste as fertilizer, closing the loop to more circular, sustainable economies.

*Read more at:*

<https://www.sciencedaily.com/releases/2021/08/210819190840.htm>

**Environment Bill: Government backs amendments to 'halt decline in species abundance by 2030' (August 27, 2021)**

DEFRA confirms a wave of amendments designed to strengthen biodiversity targets, curb water pollution, and safeguard the independence of the Office of Environment Protection.

*Read more at:*

<https://www.businessgreen.com/news/4036370/environment-government-backs-amendments-halt-decline-species-abundance-2030>

**Paris Agreement poses major stranded asset risk to Indonesian palm oil, research warns (August 27, 2021)**

The research lays bare the scale of stranded asset risk facing Indonesia's palm oil sector if Paris Agreement climate goals are met.

*Read more at:*

<https://www.businessgreen.com/news/4036337/paris-agreement-poses-major-stranded-asset-risk-indonesian-palm-oil-research-warns>

**Government steps up effort to 'turn tide on plastic' with plan to extend bans on single-use packaging (August 27, 2021)**

DEFRA confirms it will consult on banning plastic plates and cutlery, as it works towards preventing all avoidable plastic waste by 2042.

*Read more at:*

<https://www.businessgreen.com/news/4036360/government-steps-effort-turn-tide-plastic-plan-extend-bans-single-packaging>

**Coming soon an IIT-M powered online marketplace for e-waste management (August 30, 2021)**

The Indian Institute of Technology Madras (IIT-M) is developing an innovative model to tackle electronic waste (e-waste) by linking stakeholders in the formal and informal economy.

*Read more at:*

<https://www.livemint.com/news/india/coming-soon-an-iit-m-powered-online-marketplace-for-e-waste-management-11630323790130.html>

## IMMERSION COURSE

**ConXerv** – the functional committee of **School of Sustainability, XIM University** in collaboration with **Eco-space**, organized a **Sustainable Development Immersion Course – Life below Water (SDG 14)** on 3rd July 2021.

SDG 14: Life below Water is the subject of this course. SDG14 aims to "conserve and sustainably use the oceans, seas, and aquatic resources in a sustainable manner," with ten specific objectives in the areas of marine pollution and preservation, sustainable fishing, marine technologies, and climatic changes. The student will gain scientific, policy, and community skills and abilities essential for comprehending and contributing to the sustainable evolution of civilization below water.

The event started with a general introduction by **Prof. Tamoghna Acharyya**, on how oceans are essential in the world ecosystem and how pollution has affected the oceans.



**Dr. Anu Gopinath**

Kerala University of Fisheries and Ocean Studies

**Dr. Gopinath** discussed the Sustainable Development Goal 14 (SDG 14) – Life below Water, which focuses on different targets and indicators for specific goals. She also discussed how long plastics take to decompose in the oceans.



**Dr. Sarat Chandra Tripathy**

Scientist – F (Ocean Sciences Group), NCPOR, Goa

**Dr. Tripathy** highlighted the importance of the Southern Ocean & Indian Research Activities carried out on it. He shared how the "ocean's forests" - phytoplanktons play a significant role in maintaining the balance in the ocean ecosystem.



**Dr. Amrit Kumar Mishra**

Indian Institute of Technology, Bhubaneswar, Odisha

**Dr. Mishra** focused on the conservation of endangered species and safeguarding biodiversity. He also discussed how striking a balance between conservation and fishing activities would protect commercially important fish species.



**Dr. Anil Mohapatra**

Officer-in-Charge of Estuarine Biology Regional Centre of Zoological Survey of India

**Dr. Mohapatra** focused on the IUCN initiatives and species under protection. He also shed light on the IUCN red list and theorized a way forward while concentrating on CBD targets.

### **Toyota Kirloskar Motor gets CII award for water and hazardous waste management (August 31, 2021)**

The award was presented at the recently conducted 1st Edition of Water & Waste Management Competition, held in Chennai (Virtual session). The award recognizes the efforts of TKM in setting up benchmark practices in becoming a “Water Positive Company” and enhancing TKM’s Waste KPI performance through impactful initiatives.

*Read more at:*

<https://timesofindia.indiatimes.com/business/india-business/toyota-kirloskar-motor-gets-cii-award-for-water-and-hazardous-waste-management/articleshow/85799518.cms>

### **Mitsubishi Electric Fulfills Major Targets of Environmental Vision 2021 (August 30, 2021)**

Mitsubishi Electric Corporation announced today that it had fulfilled the significant targets of its just-completed Environmental Vision 2021 that the company introduced in 2007. By achieving the targets of this vision, Mitsubishi Electric has contributed to the realization of a more sustainable, low-carbon world that emphasizes recycling and harmony with nature.

*Read more at:*

<https://www.businesswire.com/news/home/20210830005214/en/Mitsubishi-Electric-Fulfills-Major-Targets-of-Environmental-Vision-2021>

### **Boost to 'soft transport' Paris Caps Speed Limit To 30km/hr To Reduce Accidents And Environmental Pollution (August 31, 2021)**

In an attempt to improve environmental pollution and reduce the number of accidents, a speed limit of 30km/hr has come into force in France's capital city, Paris. The rule was implemented on Monday, August 30, after a poll suggested that 59% of Parisians favour the measure.

*Read more at:*

<https://www.republicworld.com/world-news/europe/paris-caps-speed-limit-to-30km-hr-to-reduce-accidents-and-environmental-pollution.html>

### **Amazon’s favorite electric vehicle company is going public at a very tricky time (August 30, 2021)**

Rivian filed for an initial public offering. The 12-year-old electric vehicle manufacturer, which is backed by Amazon and considered one of the biggest threats to Tesla, is seeking a valuation as high as \$80 billion. That would make Rivian one of the world’s most valuable automakers, worth billions more than Ford or GM — and its trucks aren’t even on the road yet. Rivian’s first vehicle, a \$73,000 pickup, is expected to start shipping in September, and a second model, a \$75,500 seven-seat SUV, is supposed to be released next year.

*Read more at:*

<https://www.vox.com/recode/22649283/rivian-ipo-tesla-suv-pickup-electric-vehicles-ev>

### **Kolkata heat rise worst in world, IPCC global warming report finds (August 31, 2021)**

The city has recorded the maximum rise in warming over the past seven decades among the urban centres across the globe covered in a recent report of the Intergovernmental Panel on Climate Change (IPCC), a United Nations platform. The report contains a map under the section “Regional Factsheet — Urban Areas”, which shows that the Kolkata area from 1950 to 2018 has recorded the highest rise in the surface air temperature — 2.6 degrees Celsius — among the cities and regions studied.

*Read more at:*

<https://www.telegraphindia.com/my-kolkata/news/kolkata-a-heat-rise-worst-in-world-ipcc-global-warming-report-finds/cid/1828694>

### **NASA, International Panel Provide a New Window on Rising Seas (August 9, 2021)**

NASA’s Sea Level Change Team has created a sea-level projection tool that makes extensive data on the future sea-level rise from the Intergovernmental Panel on Climate Change (IPCC) easily accessible to the public and everyone with a stake in planning for the changes to come.

*Read more at:*

<https://climate.nasa.gov/news/3109/nasa-international-panel-provide-a-new-window-on-rising-seas/>

# SCHOOL OF SUSTAINABILITY - UNDERGRADUATE ACHIEVEMENTS

## I-Week on Sustainability

International Week on Sustainability" ("I-Week") at University of Antwerp is set up to offer insights on the theme of sustainability in an international context. Our international partner, University of Antwerp accepted the participation of 3 B. Sc. SD (Hons.) students in 'I-Week on Sustainability' from 8 – 12th March 2021 organized by the Faculty of Business and Economics at the University of Antwerp.

I-week is a great opportunity for students at XIM University to acquire a global perspective and intercultural skills in a course-specific context. Students successfully cleared the exam and received a certificate of completion in May, 2021. Sayantan Mitra, a B.Sc SD student also won the first prize for the best poster and pitch.

## Millennium Fellowship

We are privileged to be a part of the Millennium Fellowship Class of 2021. We look forward to a fantastic learning experience that facilitates peer learning through a global exchange of ideas. This fellowship shall serve as a great stepping stone for our academic and personal growth. It shall provide us with the knowledge to broaden our vision and expand the term "sustainability" to its fullest. Through this fellowship, We look forward to bringing about a change and to creating an impact and playing our role in shaping the future.

- *by Shagun Kar, Subhashree Banita and Ayantika Dutta*

## Internship from School of Sustainability (Batch 2020 - 2023)

NAME	DEGREE	INTERNSHIP
<b>Ayantika Dutta</b>	BSc. Sustainable Development	Recycle, Mobility Alliance and Social Sustainability Foundation
<b>Preeti Purbasha</b>	BSc. Sustainable Development	UNICEF, Youth for Sustainability, Odisha Eco-Tourism Foundation
<b>Shagun Kar</b>	BSc. Sustainable Development	UNICEF, Youth for Sustainability, Odisha Eco-Tourism Foundation
<b>Sourav Pati</b>	BSc. Sustainable Development	UNICEF, Nature's Club
<b>Subhashree Banita</b>	BSc. Sustainable Development	UNICEF, Youth for Sustainability, Odisha Eco-Tourism Foundation
<b>Romario Enem Topno</b>	BSc. Sustainable Development	UNICEF, Youth for Sustainability, Odisha Eco-Tourism Foundation
<b>Saadyant Pujari</b>	BSc. Sustainable Development	UNICEF
<b>Radhika Naik</b>	BSc. Environmental Science	Better India, Sustain and Save
<b>Godwilson Paika</b>	BSc. Environmental Science	Vision Organization

# SCHOOL OF SUSTAINABILITY - UNDERGRADUATE ACHIEVEMENTS

## Proud Moments for School of Sustainability

**Ms Anusuya (Batch 2017-2020)** currently student of Ku Leuven University in Belgium teamed up with her friends Apoorva and Varun to create edible cutlery from beer byproduct and win an innovation challenge, writes Diana Sahu

Link: <https://bit.ly/3mPIMIP>

**Ms Evangelina Patro** - Final Year student of B.Sc. Sustainable Development and General Secretary of The Student Activity Council - Undergraduate, co-written with her Internship Mentor on "**Discrimination during pandemic, cyclones puts lives of dalits at risk**" and "**How Covid-19 Vaccine Drive Left Out Persons with Disabilities**".

Link 1: <https://bit.ly/3BeDB8e>

Link 2: <https://bit.ly/3mNaG79>

## Flourishing Jewels of School of Sustainability (Batch 2018 - 2021)

NAME	STUDYING IN
<b>Aditya Bhagwati</b>	LN Infra Construction Private Limited
<b>Ayushi Dwivedi</b>	Indian Institute of Forest Management, Bhopal
<b>Mahaprasad Rath</b>	MBA in Sustainability Management, XIM University
<b>Sayantana Mitter</b>	Development Studies, IIT Hyderabad
<b>Sheersha Barik</b>	Master's in Society and Culture, IIT Gandhinagar
<b>Sidharth Panda</b>	MBA in Sustainability Management, XIM University

## Flourishing Jewels of School of Sustainability (Batch 2017 - 2020)

NAME	STUDYING/ WORKING IN
<b>Sheetal Samantaray</b>	MBA in Sustainability, TERI
<b>Anusuya</b>	M. Sc. in Sustainability, KU Leuven University
<b>Baishali Mishra</b>	Working in Standard Chartered Bank, Bengaluru
<b>Duti Keshwar Ballav</b>	Working in Utkal Today, Cuttack
<b>Siddhi Mohanty</b>	MBA in BM, KIIT University